

# FERMAX

GENERAL CATALOGUE 2025







# Created from the heart

The future belongs to those who embrace innovation, those who take the leap and turn ideas that transform the world into reality. At Fermax, we believe that leading the change in residential communication requires a product that not only connects homes but also becomes the centre of buildings. A product whose technology makes life simpler and safer for everyone. And with this vision, a unique project was created.

**Today, we are proud to introduce CORA.**

CORA is the result of exceptional teamwork and unprecedented investment in innovation and technological development. This panel represents our firm commitment to go beyond technical performance, to become the centre of connection between people, homes and buildings.

It is the perfect balance between technology, design and functionality. A high-quality and high-performance product, created to make life safer and more connected for everyone.

CORA has been designed with the heartbeat that has driven our passion for over 75 years: to innovate and transform the way we connect with our homes. Because our purpose is not just about creating technology; it is about building trust, connecting lives and continuing to write stories behind every door opened.

**Discover CORA, elegance is in simplicity.**









**Love at first sight exists.  
At second sight, too.**

Cora will win you over with its unique design and details, but you will fall in love with it for many other reasons.

A technology designed to make your life easier. Connectivity without limits. Quality that lasts.

**If you like it at first sight, wait  
until you have it in your hands...**

# From Valencia to the rest of the world



Leading with  
purpose and  
passion



For more than 75 years, our **specialisation in video door entry and access control systems** has been our added value. **Our track record positions us as leaders in the industry**, offering communication and connectivity solutions adapted to any type of project anywhere in the world.

Being part of the **Leading Brands of Spain Forum** reinforces our commitment to excellence and international projection, highlighting our pride in our roots and contributing to the global recognition of Made in Spain brands.

Connecting  
people and  
homes with the  
world

Our presence in **more than 85 countries** reflects the trust our customers place in us, which motivates us to grow, learn and constantly improve.

Our greatest achievement is the team of **more than 500 people** who are part of Fermax and whose work drives our mission and values every day.

Integrity  
and respect

Customer and result  
oriented

Effort and  
teamwork

Corporate Social  
Responsibility

Sense of belonging and  
identification with the  
company's culture

Versatility and a  
permanent attitude of  
adaptability to change

Commitment to equality,  
safety, health and  
environment

# Our mission: To be leaders in connectivity



Presence in  
over 85 countries

Headquarters in  
Valencia, Spain

6 subsidiaries and  
2 commercial offices

## The security behind every connection



We work to contribute to the **transformation of cities, leveraging the connectivity of our products** to offer new services and businesses to different stakeholders that interact with buildings and homes on a daily basis.

Our technology guarantees **secure communications** through the use of advanced protocols, and our cloud infrastructure allows our products to be updated with new features. In addition, our **manufacturing processes, certified with ISO 9001**, and the use of approved components support the quality and reliability of our products.

But our commitment goes beyond technology: **we create connected solutions so that everyone can protect their home from anywhere**, providing them with security, peace of mind and confidence at all times. This purpose is what defines us as a brand.

Connecting people and  
homes with the world

Secure  
communications

Quality and reliability of the  
production process





# Connecting technology and sustainability

Experts in communication, leaders in innovation



Innovation and manufacturing are carried out in our **2 production centres in Valencia, Spain**, which allows us to guarantee supply in all circumstances and maintain a permanent stock of spare parts.

Our technological solutions allow for the updating of existing installations without the need for major changes, with **new functions to bring connectivity to all homes**.

In-house R&D  
+ 40 engineers

Manufacturing of  
electronic circuits

Mechanical manufacturing:  
plastic injection, panel laser-cutting

Assembly and testing

+85% of orders shipped  
within 24 hours





## A green footprint on our path



As manufacturers, **we are committed to a circular economy and a production process with the least possible environmental impact** through prevention, recycling, reuse of materials and the use of renewable energy.

**Our Special Employment Centre (CEEME) guarantees the professional, social and personal inclusion** of people with disabilities, promoting their independence through equal and inclusive employment.

With every step we take towards the connectivity of our products, **we contribute to the development of more sustainable cities**, reducing the carbon footprint through technologies that minimise, for example, bounce rates in home parcel deliveries.

Through social, environmental and inclusive initiatives, we work to build a responsible present and a better future for all.

CEEME. Special Employment Centre since 2000

Equality and diversity

Training and talent

Reduction of environmental impact

# index



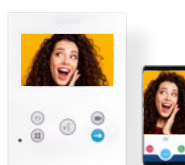
**14**

**VIDEO  
KITS**



**24**

**AUDIO  
KITS**



**31**

**DUOX PLUS**

The only fully digital  
system in 2 wires



**65**

IP  
-MEET  
-SIP



**105**

ACCESS  
CONTROL



**89**

4+N AUDIO

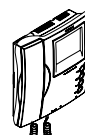
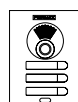
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REFERENCE  
INDEX



**97**

DOOR LOCK  
RELEASE



**129**

SPARE  
PARTS





kits





Solutions for individual  
residences, businesses and  
small buildings

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VIDEO KITS

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AUDIO KITS

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BUILDING KITS

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# Video kits

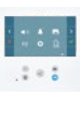
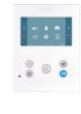
## RESIDENCES AND BUSINESSES

SELECTION OF VIDEO KITS FOR RESIDENCES AND BUSINESSES.  
All these FERMAX video kits are Plug and Play (kits don't require programming).



The DUOX PLUS Wi-Fi KITS are now compatible with **GOOGLE HOME**, **ALEXA** and **SIRI**.



| 2 WIRES (DUOX PLUS)               |                                                                                                      |                                                                                                      |                                                                                                      |                                                                                                      |                                                                                                        |                                                                                                        |                                                                                                        |
|-----------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
|                                   | DUOX PLUS<br>VEO Wi-Fi KIT                                                                           | DUOX PLUS<br>VEO-XS<br>Wi-Fi KIT                                                                     | DUOX PLUS<br>VEO-XL<br>Wi-Fi KIT                                                                     | DUOX PLUS<br>MARINE VEO-XS<br>Wi-Fi KIT                                                              | DUOX PLUS<br>MARINE BLACK<br>VEO-XS Wi-Fi KIT                                                          | DUOX PLUS<br>ONE-TO-ONE<br>VEO Wi-Fi KIT                                                               | DUOX PLUS MARINE<br>ONE-TO-ONE<br>VEO-XS Wi-Fi KIT                                                     |
| OUTDOOR<br>PANEL                  | <br><b>cityline</b> | <br><b>cityline</b> | <br><b>cityline</b> | <br><b>Marine</b>   | <br><b>Marine</b>   | <br><b>cityline</b> | <br><b>Marine</b>   |
| MONITOR                           | <br><b>VEO</b>    | <br><b>VEO-XS</b> | <br><b>VEO-XL</b> | <br><b>VEO-XS</b> | <br><b>VEO-XS</b> | <br><b>VEO</b>    | <br><b>VEO-XS</b> |
| REFERENCES<br>No. APARTMENTS      | 94411 (1/W)<br>94421 (2/W)                                                                           | 94511 (1/W)<br>94521 (2/W)                                                                           | 9471 (1/W)<br>9472 (2/W)                                                                             | 50731 (1/W)                                                                                          | 50831 (1/W)                                                                                            | 49081 (1/W)                                                                                            | 50781 (1/W)                                                                                            |
| CALL DIVERT TO<br>SMARTPHONE      | Yes                                                                                                  | Yes                                                                                                  | Yes                                                                                                  | Yes                                                                                                  | Yes                                                                                                    | Yes                                                                                                    | Yes                                                                                                    |
| TECHNOLOGY                        | 2 wires                                                                                              | 2 wires                                                                                              | 2 wires                                                                                              | 2 wires                                                                                              | 2 wires                                                                                                | 2 wires                                                                                                | 2 wires                                                                                                |
| PANEL<br>MOUNTING                 | Flush mounted                                                                                        | Flush mounted                                                                                        | Flush mounted                                                                                        | Flush mounted                                                                                        | Flush mounted                                                                                          | Flush mounted                                                                                          | Flush mounted                                                                                          |
| INTEGRATED<br>ACCESS CONTROL      | No                                                                                                   | No                                                                                                   | No                                                                                                   | No                                                                                                   | No                                                                                                     | No                                                                                                     | No                                                                                                     |
| ADDITIONAL<br>PANELS              | 9                                                                                                    | 9                                                                                                    | 9                                                                                                    | 9                                                                                                    | 9                                                                                                      | 9                                                                                                      | 9                                                                                                      |
| MONITOR<br>SCREEN                 | 4,3"                                                                                                 | 4,3"                                                                                                 | 7"                                                                                                   | 4,3"                                                                                                 | 4,3"                                                                                                   | 4,3"                                                                                                   | 4,3"                                                                                                   |
| CONVERSATION<br>MODE              | With handset                                                                                         | Hands-free                                                                                           | Hands-free                                                                                           | Hands-free                                                                                           | Hands-free                                                                                             | With handset                                                                                           | Hands-free                                                                                             |
| CAPTURE OF<br>IMAGES              | Yes                                                                                                  | Yes                                                                                                  | Yes                                                                                                  | Yes                                                                                                  | Yes                                                                                                    | Yes                                                                                                    | Yes                                                                                                    |
| INTERCOM.                         | No                                                                                                   | No                                                                                                   | No                                                                                                   | No                                                                                                   | No                                                                                                     | No                                                                                                     | No                                                                                                     |
| COMP. VIDEO<br>SURVEILLANCE       | Yes                                                                                                  | Yes                                                                                                  | Yes                                                                                                  | Yes                                                                                                  | Yes                                                                                                    | Yes                                                                                                    | Yes                                                                                                    |
| ADDITIONAL<br>MONITORS*           | 2                                                                                                    | 2                                                                                                    | 2                                                                                                    | 2                                                                                                    | 2                                                                                                      | 2                                                                                                      | 2                                                                                                      |
| COMPATIBLE WITH<br>SMART SPEAKERS | Yes                                                                                                  | Yes                                                                                                  | Yes                                                                                                  | Yes                                                                                                  | Yes                                                                                                    | Yes                                                                                                    | Yes                                                                                                    |



## The widest range of connected kits on the market!

| 2 WIRES (DUOX PLUS)                                                                           |                                                                                               |                                                                                               |                                                                                               | 2 WIRES (WAY-FI PLUS)                                                                          | 2 WIRES (WAY)                                                                               | MEET                                                                                         |                                                                                              |
|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| DUOX PLUS MEMOVISION VEO Wi-Fi KIT                                                            | DUOX PLUS MEMOVISION VEO-XS Wi-Fi KIT                                                         | DUOX PLUS MEMOVISION VEO-XL Wi-Fi KIT                                                         | NEW DUOX PLUS DESFIRE VEO-XS Wi-Fi KIT                                                        | WAY-FI PLUS KIT                                                                                | NEW WAY KIT                                                                                 | MEET NEO KIT                                                                                 | MEET WIT KITS                                                                                |
| <br>cityline | <br>cityline | <br>cityline | <br>cityline | <br>Way-Fi+   | <br>Way  | <br>MILO  | <br>MILO  |
| <br>VEO    | <br>VEO XS | <br>VEO XL | <br>VEO XS | <br>Way-Fi+ | <br>Way | <br>neo | <br>wit |
| 49071 (1/W)                                                                                   | 49121 (1/W)                                                                                   | 49171 (1/W)                                                                                   | 49082 (1/W)**                                                                                 | 1571 (1/W)                                                                                     | 1521 (1/W)<br>1522 (2/W)                                                                    | 1508 (1/W)                                                                                   | 1506 (1/W White)<br>1507 (1/W Black)                                                         |
| Yes                                                                                           | Yes                                                                                           | Yes                                                                                           | Yes                                                                                           | Yes                                                                                            | No                                                                                          | Yes                                                                                          | Yes                                                                                          |
| 2 wires                                                                                       | 2 wires                                                                                       | 2 wires                                                                                       | 2 wires                                                                                       | 2 wires                                                                                        | 2 wires                                                                                     | IP                                                                                           | IP                                                                                           |
| Flush mounted                                                                                 | Flush mounted                                                                                 | Flush mounted                                                                                 | Flush mounted                                                                                 | Surface                                                                                        | Surface                                                                                     | Flush mounted                                                                                | Flush mounted                                                                                |
| Yes (keypad)                                                                                  | Yes (keypad)                                                                                  | Yes (keypad)                                                                                  | Yes (proximity)                                                                               | Yes (QR)                                                                                       | No                                                                                          | No                                                                                           | No                                                                                           |
| 9                                                                                             | 9                                                                                             | 9                                                                                             | 9                                                                                             | 1                                                                                              | 1                                                                                           | 7                                                                                            | 7                                                                                            |
| 4,3"                                                                                          | 4,3"                                                                                          | 7"                                                                                            | 4,3"                                                                                          | 7"                                                                                             | 7"                                                                                          | 7"                                                                                           | 10"                                                                                          |
| With handset                                                                                  | Hands-free                                                                                    | Hands-free                                                                                    | Hands-free                                                                                    | Hands-free                                                                                     | Hands-free                                                                                  | Hands-free                                                                                   | Hands-free                                                                                   |
| Yes                                                                                           | Yes                                                                                           | Yes                                                                                           | Yes                                                                                           | Yes                                                                                            | Yes                                                                                         | Yes                                                                                          | Yes                                                                                          |
| No                                                                                            | No                                                                                            | No                                                                                            | No                                                                                            | Yes                                                                                            | Yes                                                                                         | Yes                                                                                          | Yes                                                                                          |
| Yes                                                                                           | Yes                                                                                           | Yes                                                                                           | Yes                                                                                           | Yes                                                                                            | Yes                                                                                         | No                                                                                           | No                                                                                           |
| 2                                                                                             | 2                                                                                             | 2                                                                                             | 2                                                                                             | 5                                                                                              | 2                                                                                           | 7*                                                                                           | 7*                                                                                           |
| Yes                                                                                           | Yes                                                                                           | Yes                                                                                           | Yes                                                                                           | Yes                                                                                            | No                                                                                          | No                                                                                           | No                                                                                           |

\* For every 4 devices connected to the installation, an additional switch ref:1586 is required.

\*\* Proximity cards and key fobs are not included in the kit.

# It takes 2 to connect



**DUOX PLUS Wi-Fi VIDEO KITS** include the **DUOX PLUS Wi-Fi** monitors with integrated Wi-Fi connectivity. Now it's possible to divert a call from your video door entry system to your smartphone or tablet.

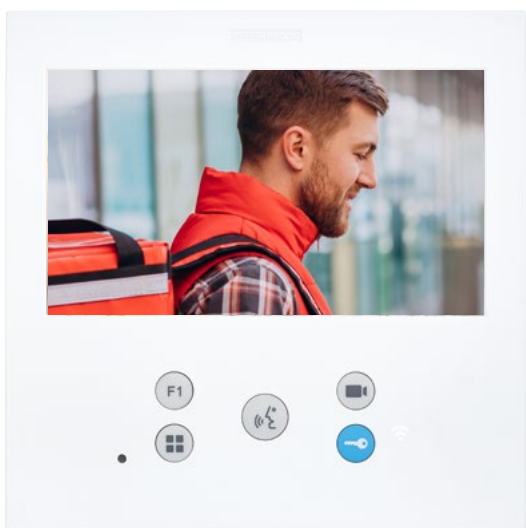
You just need to download the **free DuoxMe app** to feel at home.



**NEW**

By connecting to **Alexa and Google Home**, you can receive call notifications from the video intercom on a smart speaker or display.

You can also use **your voice to open the door**, either with smart speakers or displays or with Siri from your iOS device (iPhone, iPad or Apple Watch).

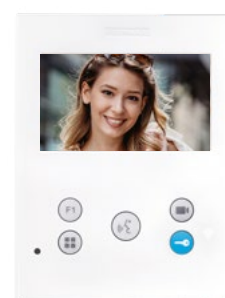


**Blue is now...**

**DuoxMe**  
FERMAX



FREE APP



## MONITOR FEATURES

- Open door during a call and auto-on.
- Call divert to mobile.
- Automatic image capture upon receiving a call.
- Ringtone selection and call volume adjustment.
- "Do not disturb" mode.
- Auto-on.
- Additional function F1 (to activate second door, staircase light, etc.).
- Additional function F2 (to activate second door, staircase light, etc.).
- Aerial cameras visualisation.

With the DUOX PLUS Wi-Fi monitors, the **call divert to mobile phones comes as standard.**

It allows to **establish communication with the outdoor panels and open the door.**

It allows to **see who is calling** before answering **and open a second auxiliary door.**

**Automatic image capture** of the caller and their **register in the call log.**

Up to **8 smartphones/tablets in the same apartment** can receive the call **simultaneously.**

It is as simple as downloading the **Fermax DuoxMe APP** from Google Play or the Apple Store.



### STANDARD SOLUTION

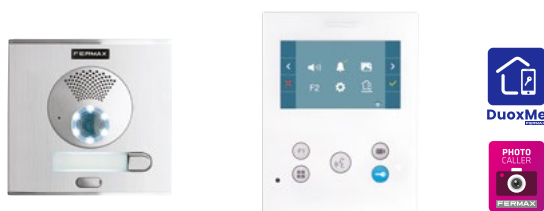


#### 94411 1/W DUOX PLUS VEO Wi-Fi KIT

- 40708 1/W colour DUOX PLUS CITY panel. S1: 130x128.
- 8948 Flush box S1: 115x114x45.
- 9446 4,3" DUOX PLUS VEO Wi-Fi monitor.
- 9447 DUOX PLUS Connector.
- 4826 Power supply unit+filter DIN6 24Vdc-1.5A.
- 4802 Power supply DIN4 230Vac/12Vac/1A.

#### 94421 2/W DUOX PLUS VEO Wi-Fi KIT

Same as kit ref.94411 but 2/W video panel (ref.40008), 2 VEO Wi-Fi monitors (ref.9446) and their connectors (ref. 9447). Includes 1 line adaptor (ref.3255).

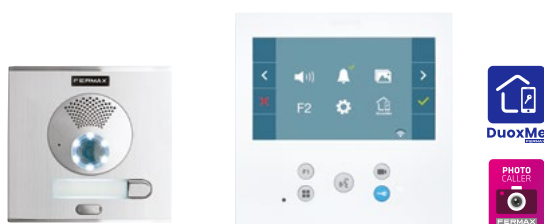


#### 94511 1/W DUOX PLUS VEO-XS Wi-Fi KIT

- 40708 1/W colour DUOX PLUS CITY panel. S1: 130x128.
- 8948 Flush box S1: 115x114x45.
- 9449 4,3" DUOX PLUS VEO-XS Wi-Fi monitor.
- 9447 DUOX PLUS Connector.
- 4826 Power supply unit+filter DIN6 24Vdc-1.5A.
- 4802 Power supply DIN4 230Vac/12Vac/1A.

#### 94521 2/W DUOX PLUS VEO-XS Wi-Fi KIT

Same as kit ref.94511 but 2/W video panel (ref.40008), 2 VEO-XS Wi-Fi monitors (ref.9449) and their connectors (ref. 9447). Includes 1 line adaptor (ref.3255).



#### 9471 1/W DUOX PLUS VEO-XL Wi-Fi KIT

- 40708 1/W colour DUOX PLUS CITY panel. S1: 130x128.
- 8948 Flush box S1: 115x114x45.
- 9469 7" DUOX PLUS VEO-XL Wi-Fi monitor.
- 9447 DUOX PLUS Connector.
- 4826 Power supply unit+filter DIN6 24Vdc-1.5A.
- 4802 Power supply DIN4 230Vac/12Vac/1A.

#### 9472 2/W DUOX PLUS VEO-XL Wi-Fi KIT

Same as kit ref.9471 but 2/W video panel (ref.40008), 2 VEO-XL Wi-Fi monitors (ref.9469) and their connectors (ref.9447). Includes 1 line adaptor (ref.3255).

### EXTENSIONS

**Indoor:** the kit allows a maximum of 3 terminals, the included one and 2 additional ones. Depending on the type of cable and distances, an additional power supply (ref.4825), line adaptor ref.3255 and/or regenerators might be required.

**Outdoor:** it is possible to extend the installation by adding more outdoor panels (up to 10). Depending on the type of cable and topology, it may be required an additional power supply (ref.4825), line adaptors ref.3255 and/or regenerators might be required.

It is possible to add an IP/DUOX PLUS CAMERA INTERFACE.  
(See pag. 62)

### INSTALLATION DIAGRAM



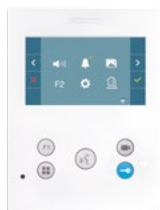
**DISTANCES** Check the technical manual of the kit.

### DOOR LOCK

It is recommended to power the electric lock release independently, whenever possible. It is also essential for AC electric strikes, for which the power supply ref. 4802 is included in the kit. If you wish to install a 12Vdc electric lock release without an additional power supply, we recommend the low consumption Ferman model ref. 29588.

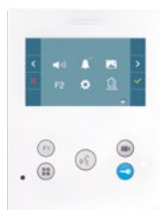


### WITH VANDAL-PROOF STAINLESS STEEL PANEL



#### 50731 1/W DUOX PLUS MARINE VEO-XS Wi-Fi KIT

- 44338 MARINE panel DUOX PLUS ST1: 150x180.
- 4641 Flush box ST1: 130x160x55.
- 9449 4,3" DUOX PLUS VEO-XS Wi-Fi monitor.
- 9447 DUOX PLUS Connector.
- 4826 Power supply unit+filter DIN6 24Vdc-1.5A.
- 4802 Power supply DIN4 230Vac/12Vac/1A.



#### 50831 1/W DUOX PLUS MARINE BLACK VEO-XS Wi-Fi KIT

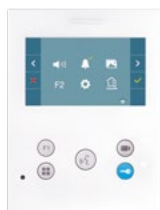
- 44438 MARINE BLACK panel DUOX PLUS ST1: 150x180.
- 4641 Flush box ST1: 130x160x55.
- 9449 4,3" DUOX PLUS VEO-XS Wi-Fi monitor.
- 9447 DUOX PLUS Connector.
- 4826 Power supply unit+filter DIN6 24Vdc-1.5A.
- 4802 Power supply DIN4 230Vac/12Vac/1A.

### ACCESSIBILITY FOR ALL



#### 49081 1/W DUOX PLUS ONE-TO-ONE VEO Wi-Fi KIT

- 73891 1/W DUOX PLUS One-To-One CITY panel with induction loop. Panel S4: 130x199.
- 8949 Flush box S4: 115x185x45.
- 9456 4,3" DUOX PLUS VEO Wi-Fi monitor w/induction loop.
- 9447 DUOX PLUS Connector.
- 4826 Power supply unit+filter DIN6 24Vdc-1.5A.
- 4802 Power supply DIN4 230Vac/12Vac/1A.



#### 50781 1/W DUOX PLUS MARINE ONE-TO-ONE VEO-XS Wi-Fi KIT

- 55361 1/W DUOX PLUS One-To-One MARINE panel with induction loop. ST2: 150x240.
- 4642 Flush box ST2: 130x220x55.
- 9459 4,3" DUOX PLUS VEO-XS Wi-Fi monitor w/induction loop.
- 9447 DUOX PLUS Connector.
- 4826 Power supply unit+filter DIN6 24Vdc-1.5A.
- 4802 Power supply DIN4 230Vac/12Vac/1A.

## WITH ACCESS VIA KEYPAD CODE



### 49071 1/W DUOX PLUS MEMOVISION VEO Wi-Fi KIT

- 73881 1/W DUOX PLUS MEMOVISION panel. S5:130x246.
- 8855 Flush box S5: 115x233x45.
- 9446 4,3" DUOX PLUS VEO Wi-Fi monitor.
- 9447 DUOX PLUS Connector.
- 4826 Power supply unit+filter DIN6 24Vdc-1.5A.
- 4802 Power supply DIN4 230Vac/12Vac/1A.



### 49121 1/W DUOX PLUS MEMOVISION VEO-XS Wi-Fi KIT

- 73881 1/W DUOX PLUS MEMOVISION panel. S5:130x246.
- 8855 Flush box S5: 115x233x45.
- 9449 4,3" colour DUOX PLUS VEO-XS Wi-Fi monitor.
- 9447 DUOX PLUS Connector.
- 4826 Power supply unit+filter DIN6 24Vdc-1.5A.
- 4802 Power supply DIN4 230Vac/12Vac/1A.



### 49171 1/W DUOX PLUS MEMOVISION VEO-XL Wi-Fi KIT

- 73881 1/W DUOX PLUS MEMOVISION panel. S5:130x246.
- 8855 Flush box S5: 115x233x45.
- 9469 7" colour DUOX PLUS VEO-XL Wi-Fi monitor.
- 9447 DUOX PLUS Connector.
- 4826 Power supply unit+filter DIN6 24Vdc-1.5A.
- 4802 Power supply DIN4 230Vac/12Vac/1A.

## NEW



### 49082 1/W DUOX PLUS DESFIRE VEO-XS Wi-Fi KIT

- 73892 1/W DESFIRE CITY PANEL DUOX PLUS. S4: 130x199
- 8949 Flush box S4: 115x185x45
- 9449 4,3" colour DUOX PLUS VEO-XS Wi-Fi monitor
- 9447 DUOX PLUS Connector.
- 4826 Power supply unit+filter DIN6 24Vdc-1.5A.
- 4802 Power supply DIN4 230Vac/12Vac/1A.

**Note:** Proximity cards and key fobs are not included in the kit.

# The magic of the new in the video intercom you know



## WAY-FI PLUS KIT



### Panel

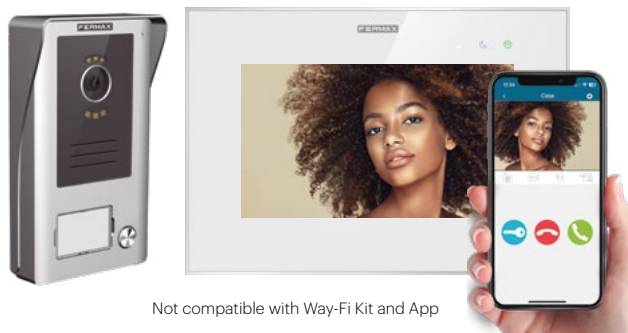
- Robust, made in aluminium. IP44 IK07. Hood included. Surface mounting.
- Colour camera with high-quality image.
- Wide angle camera 122°H and 63°V.
- Double opening (door and gate).

### Monitor

- Ultra-slim 7" Wi-Fi monitor with touch screen.
- Manual and automatic image and video capture.
- Intercommunication between monitors in the same house.
- Visualisation of FERMAX Wi-Fi IP cameras and reception of motion detection alarms (camera not included in the kit).
- Programmable "do not disturb" mode.
- 16 ringtones.

### App with call divert

- Easy pairing process via QR code.
- Direct door opening from the mobile without the need for auto-on.
- Door opening via QR codes (temporary invitations).
- Call from APP to home (with listening mode option).
- Images/video capture and visualisation from the mobile.
- Camera visualisation from the mobile and smart displays.
- Unlimited number of guests.
- Compatible with smart speakers and displays: ALEXA and GOOGLE HOME.



Not compatible with Way-Fi Kit and App

1571

### 1/W 7" WAY-FI PLUS KIT

1573

1/W WAY-FI PLUS video panel with hood.

Panel dimensions with hood: 164x94x39mm.

1572

7" WAY-FI PLUS touch screen monitor with Wi-Fi.

Dimensions: 222x154mm.

1570

WAY-FI PLUS power supply.



FREE APP



### EXTENSION

INDOOR: 5 additional monitors (6 in total).

OUTDOOR: 1 additional panel (2 in total).

CAMERAS: Up to 4 Wi-Fi IP cameras in total per installation.

### MONITOR AND PANEL

1572 7" WAY-FI PLUS MONITOR

1573 1/W WAY-FI PLUS PANEL WITH HOOD

### ADDITIONAL CAMERAS

Up to 4 Wi-Fi IP CAMERAS can be connected to the monitor.

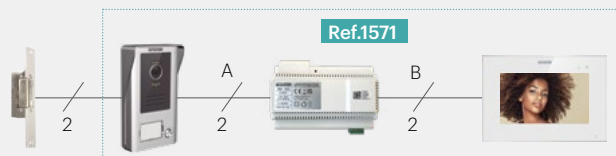
9986 IP AUXILIARY CAMERA WITH Wi-Fi

### DOOR LOCK

Standard 12Vdc low consumption electric lock release ref. 29588 300N-412-S MAX with adjustable latch and short armouring type S needed.

Compatible long armature ref. 2975 TYPE-G. In case of using other electric lock release, it will be necessary to use an additional power supply.

### INSTALLATION DIAGRAM



### DISTANCE TABLE

| Recommended cable                            | Panel - Power supply | Power supply - last monitor |
|----------------------------------------------|----------------------|-----------------------------|
| 2x0,75mm <sup>2</sup>                        | 110m                 | 110m                        |
| 2x1mm <sup>2</sup> Parallel cable (REF.5925) | 150m                 | 150m                        |
| CAT5 (using only two wires)                  | 35m                  | 35m                         |

Dimensions: (width) x (height) x (depth) mm.

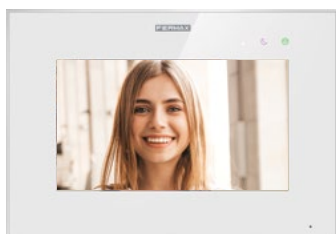
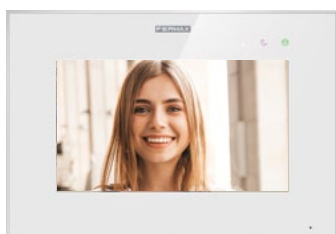


# Affordable for every type of home



## WAY KITS

- Automatic capture of images and videos with micro SD slot.
- Maximum distance 160m with 1mm<sup>2</sup> cable.
- 7" hands-free monitor with touch screen.
- Double opening (door and gate).
- Intercommunication between home monitors.



x2



- Robust (IK07) and waterproof (IP44) outdoor panel. Hood included.
- Wide-angle colour camera with night vision (H=120°; V=90°).
- Up to 2 external analogue cameras (1 per outdoor panel).
- Up to 3 monitors in the house.
- Up to 2 outdoor panels.

### 1521 1/W 7" WAY KIT

- 1527 1/W WAY video kit panel with hood.  
Panel dimensions with hood: 164x94x34mm.
- 1525 7" WAY monitor. Dimensions: 222x154.
- 1440 Power supply DIN8 26VDC-2A.

### 1522 2/W 7" WAY KIT

- 1528 2/W WAY video kit panel with hood.  
Panel dimensions with hood: 164x94x34mm.
- 1525 7" WAY monitor (2 units). Dimensions: 222x154.
- 1440 Power supply DIN8 26VDC-2A.

The NEW WAY KITS are not compatible with any of the previous WAY KITS (ref. 1401 and ref. 1402), WAY-FI (ref. 1431) or WAY-FI PLUS (ref. 1571).

## EXTENSIONS

INDOOR: 2 monitors without additional power supply (3 in total).  
OUTDOOR: Up to 1 additional panels (2 in total).

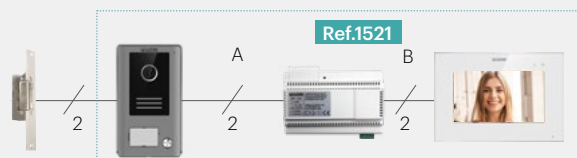
## WAY MONITORS AND PANELS

- 1525 7" WAY MONITOR
- 1527 1/W WAY PANEL
- 1528 2/W WAY PANEL

## DOOR LOCK

Standard 12Vdc low consumption electric lock release ref. 29588 300N-412-S MAX with adjustable latch and short armouring type S needed.  
Compatible long armature ref. 2975 TYPE-G. In case of using other electric lock release, it will be necessary to use an additional power supply.

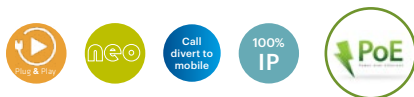
## INSTALLATION DIAGRAM



## DISTANCES TABLE

| Recom-<br>mended<br>cable | Section                          | A: Max. dist.<br>panel-power<br>supply | B: Max. distance<br>pow.sup.-monitor |
|---------------------------|----------------------------------|----------------------------------------|--------------------------------------|
| Twisted pair              | 2x1mm <sup>2</sup><br>multifilar | 80m                                    | 80m                                  |
|                           | 2x0,5mm <sup>2</sup>             | 60m                                    | 60m                                  |

# The advantages of IP technology at the best price



## MEET NEO KIT



- Monitor with 7" capacitive touch screen. IP54 panel with flush box.
- High-quality HD colour 1.2Mpx audio and video.
- Call divert included as standard through our MEET ME App (licence for 8 mobile devices).
- Expandable up to 8 panels and 8 monitors.
- Easy assembly and installation thanks to its PoE power supply (network switch included, Plug&Play).
- Advanced functions: integration with IP cameras, intercommunication between monitors, alarm connection.



| 1508  | 1/W NEO KIT                                                 |
|-------|-------------------------------------------------------------|
| 9533  | 1/W MILO video panel -MEET PoE-<br>Dimensions: 118x183x49mm |
| 9543  | 1/W MILO panel flush box                                    |
| 14501 | 7" NEO MEET PoE white monitor<br>Dimensions: 203x129x17,5mm |
| 95411 | NEO/WIT MEET monitor connector                              |
| 1586  | 4 port PoE IP switch                                        |

### EXTENSIONS

Expandable to a maximum of 8 panels and 8 monitors.  
Possibility of intercommunication between monitors.  
For every 4 devices connected to the installation, an additional switch ref.1586 is required.

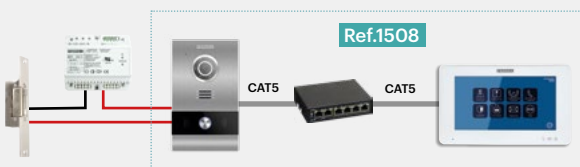
### MONITOR AND PANEL

|       |                               |
|-------|-------------------------------|
| 9533  | 1/W MILO VIDEO MEET PANEL     |
| 14501 | 7" NEO MEET POE WHITE MONITOR |

### ADDITIONAL CAMERA

|                                                     |                                          |
|-----------------------------------------------------|------------------------------------------|
| Up to 8 IP CAMERAS can be connected to the monitor. |                                          |
| 9985                                                | PERIPHERAL IP DOME CAMERA                |
| 9982                                                | POWER SUPPLY FOR PERIPHERAL CCTV CAMERA  |
| 9984                                                | POWER ADAPTOR FOR PERIPHERAL CCTV CAMERA |
| 1586                                                | 4 PORT POE IP SWITCH                     |

### INSTALLATION DIAGRAM



### DOOR LOCK

Normal AC or DC operated lock release.  
Additional power supply required (not included in the kit).

\*CCTV cameras can only be viewed from the monitor's camera menu.  
During the call, the CCTV cameras are not accessible from the monitor or app.

# A unique, technologically advanced home



## MEET WIT KITS



### 1506 1/W 10" WIT KIT

- 9533 1/W MILO video panel -MEET PoE-  
Dimensions: 118x183x49mm
- 9543 1/W MILO panel flush box
- 14831 10" WIT MEET white monitor  
Dimensions: 270x168x20mm
- 95411 NEO/WIT MEET monitor connector
- 1586 4 port PoE IP switch



### 1507 1/W 10" WIT KIT "ALL BLACK"

- 953303 1/W MILO video black panel -MEET PoE-  
Dimensions: 118x183x49mm
- 9543 1/W MILO panel flush box
- 14833 10" WIT MEET black monitor  
Dimensions: 270x168x20mm
- 95411 NEO/WIT MEET monitor connector
- 1586 4 port PoE IP switch

## EXTENSIONS

Expandable to a maximum of 8 panels and 8 monitors.  
Possibility of intercommunication between monitors.  
For every 4 devices connected to the installation, an additional switch ref.1586 is required.

## MONITORS AND PANELS

- 9533 1/W MILO VIDEO PANEL -MEET POE-
- 953303 1/W MILO VIDEO BLACK PANEL -MEET POE-
- 14831 10" WIT MEET WHITE MONITOR
- 14833 10" WIT MEET BLACK MONITOR

## ADDITIONAL CAMERAS

Up to 8 IP CAMERAS can be connected to the monitor.

- 9985 PERIPHERAL IP DOME CAMERA
- 9982 POWER SUPPLY FOR PERIPHERAL CCTV CAMERA
- 9984 POWER ADAPTOR FOR PERIPHERAL CCTV CAMERA
- 1586 4 PORT POE IP SWITCH

## INSTALLATION DIAGRAM



## DOOR LOCK

Normal AC or DC operated lock release.  
Additional power supply required (not included in the kit).



# Audio Kits

## RESIDENCES AND BUSINESSES

Choose the DOOR ENTRY KIT that best suits the user's needs.

|                                   | 2 WIRES (DUOX PLUS)                                                                                  |                                                                                                      |                                                                                                      |
|-----------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
|                                   | DUOX PLUS<br>CITY KIT                                                                                | DUOX PLUS<br>CITY iLOFT KIT                                                                          | DUOX PLUS<br>MARINE iLOFT KIT                                                                        |
| OUTDOOR<br>PANEL                  | <br><b>cityline</b> | <br><b>cityline</b> | <br><b>Marine</b> |
| TELEPHONE                         | <br><b>VEO</b>     | <br><b>iLOFT</b>   | <br><b>iLOFT</b> |
| REFERENCES<br>(No. of Apartments) | <b>49202 (1/W)<br/>49212 (2/W)</b>                                                                   | <b>50772 (1/W)</b>                                                                                   | <b>50762 (1/W)</b>                                                                                   |
| TECHNOLOGY                        | <b>2 wires</b>                                                                                       | <b>2 wires</b>                                                                                       | <b>2 wires</b>                                                                                       |
| PANEL MOUNTING                    | <b>Flush mounted</b>                                                                                 | <b>Flush mounted</b>                                                                                 | <b>Flush mounted</b>                                                                                 |
| INTEGRATED ACCESS<br>CONTROL      | <b>No</b>                                                                                            | <b>No</b>                                                                                            | <b>No</b>                                                                                            |
| No. OF ADDITIONAL<br>PANELS       | <b>9</b>                                                                                             | <b>9</b>                                                                                             | <b>9</b>                                                                                             |
| No. OF ADDITIONAL<br>TELEPHONES   | <b>2</b>                                                                                             | <b>2</b>                                                                                             | <b>2</b>                                                                                             |
| CONVERSATION<br>MODE              | <b>With handset</b>                                                                                  | <b>Hands-free</b>                                                                                    | <b>Hands-free</b>                                                                                    |
| No. OF<br>PUSHBUTTONS             | <b>1</b>                                                                                             | <b>3</b>                                                                                             | <b>3</b>                                                                                             |
| CALL MELODIES                     | <b>5</b>                                                                                             | <b>5</b>                                                                                             | <b>5</b>                                                                                             |
| VOLUME CONTROL                    | <b>Yes</b>                                                                                           | <b>Yes</b>                                                                                           | <b>Yes</b>                                                                                           |
| "DO NOT DISTURB"<br>FUNCTION      | <b>Yes</b>                                                                                           | <b>Yes</b>                                                                                           | <b>Yes</b>                                                                                           |
| ADDITIONAL<br>FUNCTIONS           | <b>No</b>                                                                                            | <b>Yes</b>                                                                                           | <b>Yes</b>                                                                                           |
| AUTO-ON                           | <b>Yes</b>                                                                                           | <b>Yes</b>                                                                                           | <b>Yes</b>                                                                                           |

\*No extra power supply.

| 2 WIRES (DUOX PLUS)                                                                           | 4+N                                                                                           |                                                                                                         |
|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| DUOX PLUS MEMOPHONE KIT                                                                       | CITYLINE 4+N KIT                                                                              | CITY CLASSIC 4+N KIT                                                                                    |
| <br>cityline | <br>cityline | <br>cityline CLASSIC |
| <br>VEO     | <br>VEO     | <br>citymax         |
| 49132 (1/W)                                                                                   | 4860 (1/W)<br>4862(2/W)                                                                       | 6201 (1/W)<br>6202 (2/W)                                                                                |
| 2 wires                                                                                       | 4+N                                                                                           | 4+N                                                                                                     |
| Flush mounted                                                                                 | Flush mounted                                                                                 | Flush mounted                                                                                           |
| Yes (keypad)                                                                                  | No                                                                                            | No                                                                                                      |
| 9                                                                                             | 6                                                                                             | 6                                                                                                       |
| 2                                                                                             | 3                                                                                             | 3                                                                                                       |
| With handset                                                                                  | With handset                                                                                  | With handset                                                                                            |
| 1                                                                                             | 1                                                                                             | 1                                                                                                       |
| 5                                                                                             | 1                                                                                             | 1                                                                                                       |
| Yes                                                                                           | No                                                                                            | No                                                                                                      |
| Yes                                                                                           | No                                                                                            | No                                                                                                      |
| No                                                                                            | No                                                                                            | No                                                                                                      |
| Yes                                                                                           | Yes                                                                                           | Yes                                                                                                     |



### 49202 1/W DUOX PLUS AUDIO CITY VEO KIT

- 40702 1/W DUOX PLUS CITY panel. S1: 130x128.
- 8948 Kit flush box S1: 115x114x45.
- 3444 DUOX PLUS VEO telephone.
- 4826 Power supply unit+filter DIN6 24Vdc-1.5A.
- 4802 Power supply DIN4 230Vac/12Vac/1A

### 49212 2/W DUOX PLUS AUDIO CITY VEO KIT

Same as ref.49202 but with 2/W audio panel (ref.40002) and 2 DUOX PLUS VEO telephones (ref.3444). Includes 1 line adaptor (ref.3255).



### 49132 1/W DUOX PLUS AUDIO MEMOPHONE CITY VEO KIT

- 49042 1/W DUOX PLUS MEMOPHONE CITY panel. Panel S5: 130x246.
- 8855 Kit flush box S5: 115x233x45.
- 3444 DUOX PLUS VEO telephone.
- 4826 Power supply unit+filter DIN6 24Vdc-1.5A.
- 4802 Power supply DIN4 230Vac/12Vac/1A



### 50772 1/W DUOX PLUS AUDIO CITY iLOFT KIT

- 40702 1/W DUOX PLUS CITY panel. Panel S1: 130x128.
- 8948 Kit flush box S1: 115x114x45.
- 3450 DUOX PLUS iLOFT telephone.
- 4826 Power supply unit+filter DIN6 24Vdc-1.5A.
- 4802 Power supply DIN4 230Vac/12Vac/1A



### 50762 1/W DUOX PLUS AUDIO MARINE iLOFT KIT

- 44332 1/W DUOX PLUS MARINE panel. Panel ST1: 150x180.
- 4641 Flush box ST1: 130x160x55.
- 3450 DUOX PLUS iLOFT telephone.
- 4826 Power supply unit+filter DIN6 24Vdc-1.5A.
- 4802 Power supply DIN4 230Vac/12Vac/1A.

## EXTENSIONS

**INDOOR:** The kit allows a maximum of 3 terminals, the included one and 2 additional ones. Depending on the type of cable and distances, an additional power supply (ref.4825), line adaptor (ref.3255) and/or regenerators might be required.

**OUTDOOR:** It is possible to extend the installation by adding more outdoor panels (up to 10). Depending on the type of cable and topology, it may be required an additional power supply (ref.4825), line adaptors (ref.3255) and/or regenerators might be required.

## INSTALLATION DIAGRAM



Dimensions: (width) x (height) x (depth) mm.





## 4860 1/W 4+N CITY AUDIO KIT

- 4845 1/W CITY 4+N panel and flush box (ref.8948).  
Panel S1: 130x128  
Kit flush box S1:115x114x45.
- 3426 VEO 4+N telephone.
- 4802 Power supply DIN4 230Vac/12Vac/1A

## 4862 2/W 4+N CITY AUDIO KIT

Same as kit ref.4860 but with 2/W CITYLINE audio panel (ref.4846) and 2 VEO 4+N telephones (ref.3426).



## 6201 1/W 4+N CITYMAX AUDIO KIT

- 8300 1/W CLASSIC panel and flush box (ref.8948).  
Panel S1: 130x12  
Kit flush box S1:115x114x45.
- 80447 4+N CITYMAX BASIC telephone.
- 4802 Power supply DIN4 230Vac/12Vac/1A

## 6202 2/W 4+N CITYMAX AUDIO KIT

Same as kit ref.6201 but with 2/W CITY CLASSIC audio panel (ref.8301) and 2 CITYMAX BASIC 4+N telephones (ref.80447).

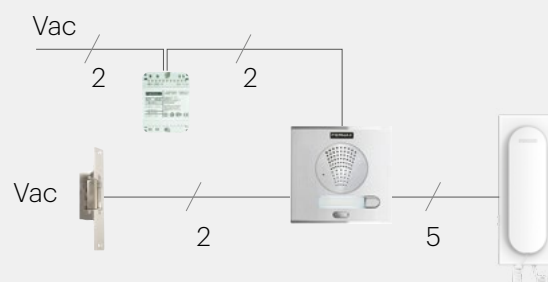
## EXTENSIONS

**INDOOR:** 3 additional telephones. It is possible to extend the installation with more telephones by adding a power supply (ref. 4812) and a call multiplier (ref. 2340).

**OUTDOOR:** It is possible to extend with 2 additional panels. Switchers are required (ref. 8819).

**NOTE:** Recommended door lock release: normal with unlocking and adjustable latch 990ND-P22 MAX (ref. 67511), or without unlocking (ref.67501 990N-P22 MAX). Large shield compatible with ref.2892 Type L22.

## INSTALLATION DIAGRAM



# CITYLINE KITS



## From 3 to 24 apartments

### 4863 3/W 4+N CITY AUDIO KIT



3/W CITY panel and flush box.  
Panel S4: 130x199.  
Flush box (ref.8949) S4: 115x185x45.  
VEO 4+N telephone (3 units).  
Power supply 12Vac/1A. DIN4.

x3

### 4866 6/W 4+N CITY AUDIO KIT



6/W CITY panel and flush box.  
Panel S4: 130x199.  
Flush box (ref.8949) S4: 115x185x45.  
VEO 4+N telephone (6 units).  
Power supply 12Vac/1A. DIN4.

x6

### 4865 10/W 4+N CITY AUDIO KIT



10/W CITY panel and flush box.  
Panel S5: 130x246.  
Flush box (ref.8855) S5: 115x233x45.  
VEO 4+N telephone (10 units).  
Power supply 12Vac/1A. DIN4.

x10

### 4869 14/W 4+N CITY AUDIO KIT



14/W CITY panel and flush box.  
Panel S6: 130x294.  
Flush box (ref.8856) S6: 115x280x45.  
VEO 4+N telephone (14 units).  
Power supply 12Vac/1A. DIN4.

x14

### 4874 18/W 4+N CITY AUDIO KIT



18/W CITY panel and flush box.  
Panel S7: 130x341.  
Flush box (ref.8857) S7: 115x328x45.  
VEO 4+N telephone (18 units).  
Power supply 12Vac/1A. DIN4.

x18

### 4876 22/W 4+N CITY AUDIO KIT



22/W CITY panel and flush box.  
Panel S8: 130x389.  
Flush box (ref.8858) S8: 115x375x45.  
VEO 4+N telephone (22 units).  
Power supply 12Vac/1A. DIN4.

x22

### KITS EXTENSIONS AND ACCESSORIES

- 2<sup>nd</sup> Access: Requires panels and flush box (see section 4+N) + audio switcher (ref.8811) + voltage distributor 12Vac/12Vdc (ref.88231).
- In the apartment: up to 3 telephones (ref.3426) without additional power supply.
- Recommended door lock: 990N-P22 MAX (ref.67501).

**NOTE:** These kits include the Basic amplifier. (See page 90 to find out the differences between Basic and Complete amplifier).

### 4864 4/W 4+N CITY AUDIO KIT



4/W CITY panel and flush box.  
Panel S4: 130x199.  
Flush box (ref.8949) S4: 115x185x45.  
VEO 4+N telephone (4 units).  
Power supply 12Vac/1A. DIN4.

x4

### 4868 8/W 4+N CITY AUDIO KIT



8/W CITY panel and flush box.  
Panel S4: 130x199.  
Flush box (ref.8949) S4: 115x185x45.  
VEO 4+N telephone (8 units).  
Power supply 12Vac/1A. DIN4.

x8

### 4867 12/W 4+N CITY AUDIO KIT



12/W CITY panel and flush box.  
Panel S5: 130x246.  
Flush box (ref.8855) S5: 115x233x45.  
VEO 4+N telephone (12 units).  
Power supply 12Vac/1A. DIN4.

x12

### 4871 16/W 4+N CITY AUDIO KIT



16/W CITY panel and flush box.  
Panel S6: 130x294.  
Flush box (ref.8856) S6: 115x280x45.  
VEO 4+N telephone (16 units).  
Power supply 12Vac/1A. DIN4.

x16

### 4875 20/W 4+N CITY AUDIO KIT



20/W CITY panel and flush box.  
Panel S7: 130x341.  
Flush box (ref.8857) S7: 115x328x45.  
VEO 4+N telephone (20 units).  
Power supply 12Vac/1A. DIN4.

x20

### 4877 24/W 4+N CITY AUDIO KIT



24/W CITY panel and flush box.  
Panel S8: 130x389.  
Flush box (ref.8858) S8: 115x375x45.  
VEO 4+N telephone (24 units).  
Power supply 12Vac/1A. DIN4.

x24

# CITY CLASSIC KITS

## From 3 to 24 apartments

### KITS EXTENSIONS AND ACCESSORIES

- 2<sup>nd</sup> Access: Requires panels and flush box + audio switcher (ref.8811) + voltage distributor 12Vac/12Vdc (ref.88231).
- In the apartment: up to 3 telephones (ref.80447) without additional power supply.
- Recommended door lock: 990N-P22 MAX (ref.67501).

**NOTE:** These kits include the Basic amplifier. (See page 90 to find out the differences between Basic and Complete amplifier).

#### 6203 3/W 4+N CITYMAX AUDIO KIT



x3



80447  
4802

3/W CITY CLASSIC panel and flush box (flush box included ref.8949).  
Panel S4: 130x199.  
Flush box S4: 115x185x45.  
CITYMAX BASIC telephone (3 units).  
Power supply 12Vac/1A. DIN4.

#### 6206 6/W 4+N CITYMAX AUDIO KIT



x6



80447  
4802

6/W CITY CLASSIC panel and flush box (flush box included ref.8949).  
Panel S4: 130x199.  
Flush box S4: 115x185x45.  
CITYMAX BASIC telephone (6 units).  
Power supply 12Vac/1A. DIN4.

#### 6210 10/W 4+N CITYMAX AUDIO KIT



x10



80447  
4802

10/W CITY CLASSIC panel and flush box (Flush box included ref.8855).  
Panel S5: 130x246.  
Flush box S5: 115x233x45.  
CITYMAX BASIC telephone (10 units).  
Power supply 12Vac/1A. DIN4.

#### 6214 14/W 4+N CITYMAX AUDIO KIT



x14



8856  
80447  
4802

14/W CITY CLASSIC panel.  
Panel S6: 130x294.  
Flush box S6: 115x280x45.  
CITYMAX BASIC telephone (14 units).  
Power supply 12Vac/1A. DIN4.

#### 6218 18/W 4+N CITYMAX AUDIO KIT



x18



8857  
80447  
4802

18/W CITY CLASSIC panel.  
Panel S7: 130x341.  
Flush box S7: 115x328x45.  
CITYMAX BASIC telephone (18 units).  
Power supply 12Vac/1A. DIN4.

#### 6222 22/W 4+N CITYMAX AUDIO KIT



x22



8858  
80447  
4802

22/W CITY CLASSIC panel.  
Panel S8: 130x389.  
Flush box S8: 115x375x45.  
CITYMAX BASIC telephone (22 units).  
Power supply 12Vac/1A. DIN4.

#### 6204 4/W 4+N CITYMAX AUDIO KIT



x4



80447  
4802

4/W CITY CLASSIC panel and flush box (flush box included ref.8949).  
Panel S4: 130x199.  
Flush box S4: 115x185x45.  
CITYMAX BASIC telephone (4 units).  
Power supply 12Vac/1A. DIN4.

#### 6208 8/W 4+N CITYMAX AUDIO KIT



x8



80447  
4802

8/W CITY CLASSIC panel and flush box (flush box included ref.8949).  
Panel S4: 130x199.  
Flush box S4: 115x185x45.  
CITYMAX BASIC telephone (8 units).  
Power supply 12Vac/1A. DIN4.

#### 6212 12/W 4+N CITYMAX AUDIO KIT



x12



80447  
4802

12/W CITY CLASSIC panel and flush box (Flush box included ref.8855).  
Panel S5: 130x246.  
Flush box S5: 115x233x45.  
CITYMAX BASIC telephone (12 units).  
Power supply 12Vac/1A. DIN4.

#### 6216 16/W 4+N CITYMAX AUDIO KIT



x16



8856  
80447  
4802

16/W CITY CLASSIC panel.  
Panel S6: 130x294.  
Flush box S6: 115x280x45.  
CITYMAX BASIC telephone (16 units).  
Power supply 12Vac/1A. DIN4.

#### 6220 20/W 4+N CITYMAX AUDIO KIT



x20



8857  
80447  
4802

20/W CITY CLASSIC panel.  
Panel S7: 130x341.  
Flush box S7: 115x328x45.  
CITYMAX BASIC telephone (20 units).  
Power supply 12Vac/1A. DIN4.

#### 6224 24/W 4+N CITYMAX AUDIO KIT



x24



8858  
80447  
4802

24/W CITY CLASSIC panel.  
Panel S8: 130x389.  
Flush box S8: 115x375x45.  
CITYMAX BASIC telephone (24 units).  
Power supply 12Vac/1A. DIN4.





DUOX<sup>plus</sup>

It takes 2 to connect





Solutions for buildings.  
The only fully digital system  
in 2 wires.

DUOX PLUS is the digital technology  
that simplifies installations, exceeds  
expectations and enables us to connect  
people and homes with the world.

It offers higher performance and  
increased capacity, is faster and more  
user-friendly. Above all, it brings  
us to a new dimension where all  
information (audio, video and data)  
is digital and transported using only  
two non-polarised wires.





## A system designed for the **professional installer ...**

### Wiring **flexibility**

#### **2 NON-POLARISED WIRES**

##### **Compatible with a wide variety of wiring.**

In retrofit installations, DUOX PLUS can be installed using existing wiring.

Reduced errors, simplified installation on only 2 non-polarised wires.

### **Simplicity** of installation

It saves time during installation and maintenance.

### Easy **programming**

**Monitors:** one person can program the installation in a few seconds directly from the OSD menu.

**Panels:** **digital panels** are programmed from the keypad, while on our **pushbutton** panels, the amplifier includes a voice-guided programming system.

### **Scalable** system

For all kinds of projects; large or small, simple or complex, vertical structures or horizontal installations.

### **Digital** transmission

**FULL DIGITAL.** All information (audio, video and data) is fully digital, ensuring the same audio and video quality throughout the installation.

... and for **the end-user**

DUOX<sup>plus</sup>

DUOX PLUS



## Connectivity

Our Wi-Fi video door entry systems open up the world of connectivity to every type of building and home, with call forwarding to mobile phones built into even the most basic monitors.

## Security Photocaller

The video intercom automatically captures an image of the caller on the monitor, and on the mobile phone in case of Wi-Fi models.

## Accessibility

Adapted and accessible products for everyone, both inside and outside the home.

## Convenience

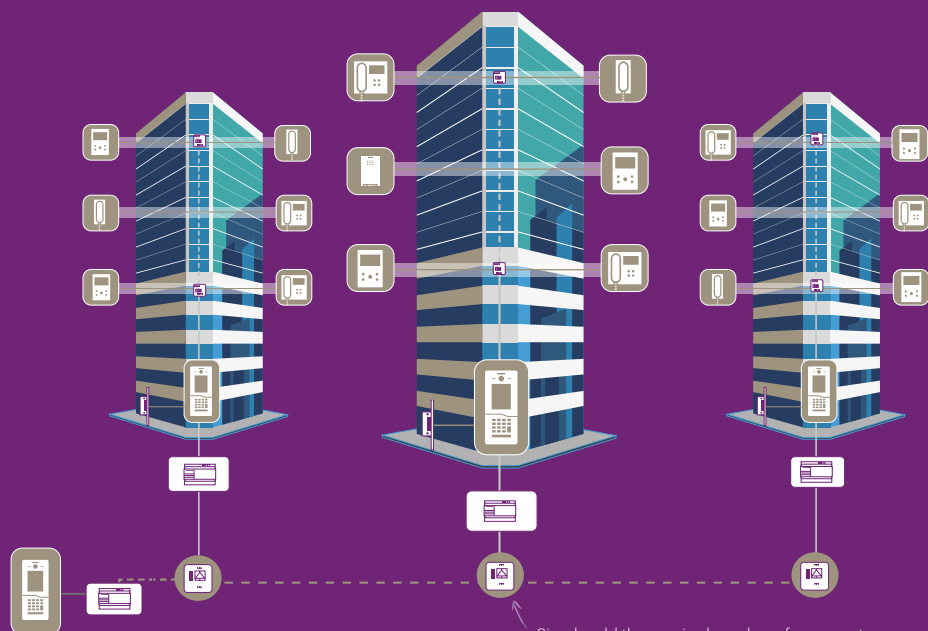
Access to the video intercom from any device, mobile or tablet, to answer calls and open the door with a single click or with voice.



# DUOX<sup>plus</sup>

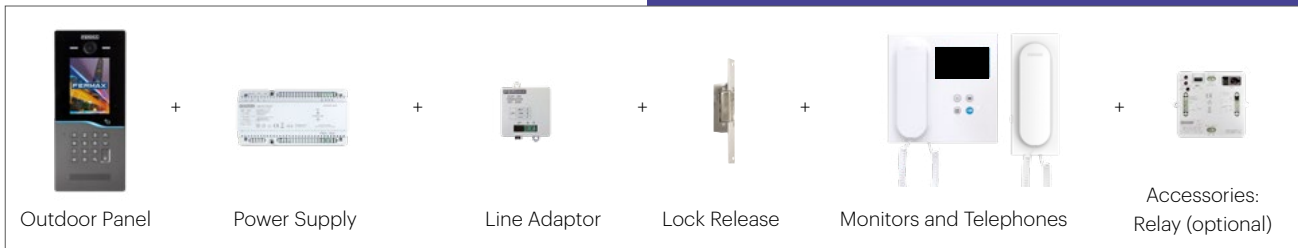
The world's first  
100% digital  
Smart System  
in 2 wires

For all types of  
projects with  
**longer distances,**  
**vertical**  
**structures**  
or **horizontal**  
installations.



Simply add the required number of regenerators  
depending on the distances.





The most powerful and fastest 2-wire system to install and program.



Consistent quality throughout the installation.



Up to 10 panels and 10 guard units at the general entrance.



Maximum point to point distance without regeneration: 500m.



Installation using existing wiring.



Up to 100 blocks and sub-blocks.



Up to 10 panels and 10 guard units in each building or block of apartments.



2 communication channels within the same block.



Smart accessories for installations of all sizes.



Maximum distance between extremes of the installation: 3.000m.

A simplified 2-wire installation without polarity throughout the entire installation. DUOX PLUS is a highly flexible system that can be **installed with most of the existing cables**. It is a digital system and hence it enables to avoid electrical interferences or analogue noise and maintains the same **optimum audio and video quality throughout the entire installation**, from the first apartment in the project to the most distant one.

The DUOX PLUS system is installed in the same way for both audio and video, allowing the users to choose which terminal they prefer to have it at home. Additionally, it is the only 2-wire system that can allow two communication channels in the same block, i.e. two panels calling two different apartments at the same time. It has a built-in voice guided programming system in pushbutton outdoor panels and configuration via graphic menu in digital panels and monitors. Its digital technology adapts to all types of topologies and distances, making it possible to successfully install any project: from small individual buildings to large residential projects.

All these features make DUOX PLUS the fastest system to quote, install and program.

A system that can be perfectly adapted to all situations, both for new construction and retrofit.



IP65 IK08

Wide-angle camera

5" graphic display

Presence sensors

Proximity reader

LED wave with status illumination

Backlit keypad

Speaker



It has **2 digital MEMS microphones (Micro Electro Mechanical System)**, which dynamically and adaptively capture and filter out environmental noise and guarantee clean audio on the monitor or handset so that the user hears no background noise, echoes or cuts.

# cora

by FERMAX



## FEATURES

**Duox Plus** technology, **100%** digital **two wires**.

Free **call divert** for all apartments in the installation with a Wi-Fi monitor.

Made in strong and durable **anodised aluminium**.

**Ultra-slim**, only 1 cm thick when flush mounted and 3 cm when surface mounted.

Highly watertight and robust: **IP65 IK08**.

**Simple** and intuitive **installation** with 1 screw.

**720p wide-angle camera** (vertical=80°, horizontal=120°).

**5" LCD screen** customisable by the installer (images and messages).

Light and **presence sensor**.

Wave of LEDs with **illumination and movements that signal status**.

**Backlit mechanical keypad** with a dot on the key 5 and embossing on the bell key.

**Advanced processor** with 4-core CPU+GPU.

**Multi-language voice synthesiser** (32 languages), bilingual message configuration and customisable language.

**Mirror mode (retroview)**. It allows the visitors to see their own image and thus to position themselves to be seen correctly.

Assisted **alphanumeric dialling**.

**Possibility to create backup copies** of users and configuration.

**High-quality audio** thanks to the **CDS (Cora Dynamic Sound)** system, which includes a speaker and 2 digital MEMS microphones.

**Access control** via keypad and integrated (EM 125Khz) proximity reader.

**Postman access code** via keypad or proximity readers restricted by hours and days.

**Configuration from mobile, tablet or computer**, via a web server without having to open the panel.

An optional **inductive loop** can be connected for people with hearing aids.

Built-in **DUOX PLUS installation tester**.





### CORA PANEL S6

**CORA represents the excellence and evolution of Fermax's DUOX PLUS outdoor panels**, not only for its elegant aesthetics, but also for being one of the most interactive entrance panels on the market, both for the user and the installer.

#### CAMERA

It includes a wide-angle 720p colour camera (Vertical=80°, Horizontal=120°) with integrated scene lights on both sides of the camera as well as a camera zoom adjustment system. The camera image adjustment is done from a mobile, tablet or computer using a web browser.

#### WAVE

A wave of leds separates the display from the keypad. It is not only a decorative element, but it also **interacts with the user by reinforcing the status that appears on the display**, giving personality to our panel.

**Status:** Calling, In communication, Door Open, Channel Busy and In maintenance.

# Technology DUOX<sup>plus</sup>

## DISPLAY

It is a very high-tech panel with a **4-core CPU+GPU processor**.

Its **5" LCD screen with 640 x 480px resolution is customisable** by the installer (messages and images).

The display is activated by **presence sensors** or by pressing a key.

The display brightness can be set to adjust automatically according to the ambient light level.

It includes the **Retroview function**, which allows the visitors to see the video captured by the camera during calls and conversations in real time and thus better position themselves in front of the panel to be seen perfectly.

**User interface with iconography for guided and intuitive use.**

Calls can be made in two ways:

- **by entering** the corresponding code assigned to the home + the "bell" key.
- **by searching** in the electronic directory of the resident or concierge and once found, by pressing the "bell" key.

The call can be numerical, alphanumeric, by blocks, etc.

It is **possible to call the concierge directly by pressing the BELL key**. If there is more than one, the list is displayed for selection.



## AUDIO QUALITY

High-quality audio thanks to the CDS (Cora Dynamic Sound) system.

**It incorporates a speaker and 2 digital MEMS microphones**, which dynamically and adaptively capture and filter out environmental noise and guarantee clean audio on the monitor or handset so that the user hears no background noise, echoes or cuts.

**The speaker volume can be self-regulated** to adapt to different environment noise sound levels (**day-night**).





### KEYPAD

**Backlit mechanical keypad** with embossing on the key 5, so that visually impaired people can locate themselves in the centre of the keypad, and a counter-embossing on the BELL to identify the call key.

The illumination of the Call  and Cancel  keys changes colour depending on the status.

### CONFIGURATION AND PROGRAMMING

**The configuration is very simple and can be done from a mobile/tablet/PC, using a browser and without having to open the panel.** To do this, the installer must stand close to it and connect to the **Wi-Fi access point** generated by it. In this way, it will be **possible to set it up**:

- Configuration parameters.
- Directory of residents and concierges.
- Access control (keypad codes, proximity key fobs).
- Installation test.
- Firmware version update.
- Uploading and **customising** images, logos, text and voice messages (2 languages can be selected to be played consecutively).
- Possibility to configure a postman access code, for the configured days of the week and timetable.
- Possibility to create backup files of users (on mobile/tablet/PC via browser) and configuration.

### ROBUSTNESS

CORA is made in **anodised aluminium with no visible screws**. It has an **IP65** degree of watertightness and maximum protection against dust and rain. It has a very high mechanical impact resistance rating of **IK08**, making it practically vandal-proof.

### ACCESS CONTROL

- Door opening via **keypad code** (up to 10,000 different users / codes).
- Door opening using RFID (EM 125Khz) **proximity key fob** via the proximity reader included as standard in the panel (up to 10,000 fobs).
- **Combination of the previous two** for greater security.

### VILLA MODE

**It is possible to configure the panel to operate as a villa panel.** In this case, the call will be made by pressing the BELL key directly. This makes CORA the video door entry solution for villas that look for distinction, elegance and technology, as well as security, as the access control functions by keypad code, proximity key fobs or a combination of both will still be available.





### MOUNTING

**CORA is installed with only 1 screw.**

Ultra-slim, **only 1 cm thick when flush mounted and 3 cm when surface mounted.**

The installation boxes for the CORA panel must be ordered separately.

Its size fits perfectly into the **Fermax S6 flush box of the Cityline and CityClassic panels.**

Its small size allows for replacing older installations with more advanced technology and **with virtually no work.**

For retrofits, an existing City/Skyline flush box (S6 or S8 depending on the CORA size) can be adapted by ordering a separate flush mounting set ref. 7708.

Other accessories are also available, such as decorative frame, angular complement, hood and directory panel (the latter only for CORA S6). It is possible to combine two or more panels, as long as they are from the same series. In the case of flush mounting, to fit them perfectly, you must use a set of joining bolts ref. 8829 for every two panels that are installed.

### ACCESSIBILITY

CORA offers **visual and audible notifications**, and there is also the possibility to connect an **inductive loop** (ref.7722) for people with hearing aids or hearing impairment.

### CORA PANELS



#### CORA PANEL S6

##### 7701 DUOX PLUS CORA PANEL S6

Panel dimensions S6: 130x295,5x27,6 mm

##### 7702 CORA DIRECTORY PANEL S6

Panel dimensions S6: 130x295,5x27,6 mm

It can be mounted on both sides of the **CORA panel**, even several together (up to 3).

1 directory can be powered from the panel. If there are 2 or 3 directory panels, these must be supplied with an additional power supply.

A directory panel can be installed together with CORA S6 panels in order to record the name corresponding to each apartment code or any other additional information. It includes LEDs for illumination.



#### CORA PANEL S8

**CORA** in size **SERIE 8** facilitates retrofits in existing Cityline/Skyline S8 flush boxes (in this case, the CORA PANEL FLUSH MOUNTING SET ref.7708 must be ordered separately).

It can also accommodate the DESFIRE SKYLINE PROXIMITY READER (ref.7463) or RFID proximity readers from other manufacturers, if required. The black front part can be replaced by the front display with proximity iconography (ref. 7720), which includes a fixing element for these additional readers. The additional proximity reader can be connected to an external door controller or the Wiegand input of the panel, or send the identifiers read from the integrated EM 125KHz reader to an external controller, such as AC-MAX (ref.5223 or ref.5224).

##### 7711 DUOX PLUS CORA PANEL S8

Panel dimensions S8: 130x390,5x27,6 mm

NOTE: iLOFT telephone ref.3450 is NOT compatible with the CORA panel.

## Panel accessories



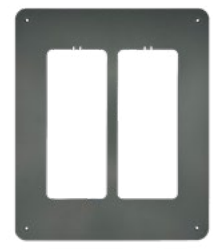
Flush box



Surface box

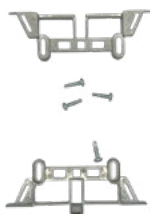
Hood with  
flush boxHood with  
surface boxAngular  
complement

Double single



Double frame

|    | FLUSH BOX              | SURFACE BOX              | HOOD<br>(Flush and surface) | ANGULAR<br>COMPLEMENT | FRAME                 |                       |
|----|------------------------|--------------------------|-----------------------------|-----------------------|-----------------------|-----------------------|
|    |                        |                          |                             |                       | SIMPLE                | DOUBLE                |
| S6 | ref.7703<br>115x280x45 | ref.7709<br>130x295,5x20 | ref.7705<br>130x12x31       | ref.7704              | ref.7706<br>225x415x3 | ref.7707<br>355x415x3 |
| S8 | ref.7713<br>115x375x45 | ref.7719<br>130x390,5x20 | ref.7705<br>130x12x31       | ref.7714              | ref.7716<br>225x510x3 | -                     |



Ref.7708



Ref.8829

7720 CORA PROXIMITY FRONT VISOR

7722 CORA PANEL INDUCTIVE LOOP

## 7708 CORA PANEL FLUSH MOUNTING SET

Only necessary when retrofitting into standard City / Skyline S6 (ref.8856) or S8 (ref.8858) flush boxes. This accessory is NOT necessary when using the CORA S6 (ref.7703) or S8 (ref.7713) flush boxes.

## 8829 JOINING BOLTS SET

It allows to combine two or more frames. One set is required for each additional frame installed on flush box.





### SKYLINE PANEL

#### 3.5" graphic display on digital panels:

- Display activation by presence sensors.
- Electronic directory agenda of residents.
- Menu-driven configuration from the keypad.
- Information pictograms (One-To-One) with the communication status (calling, in communication, door open, channel busy).
- Upload images, logos and personalised messages.
- Alphanumeric call to apartment.

#### Keypad:

- The metallic keypad is made of zamak. It has permanent backlighting.
- The keypad can be used to open the door by entering a previously programmed PIN code. The number of different users/codes allowed in the DUOX PLUS system is 10,000.

#### Proximity reader:

- 125KHz (EM) or 13,56MHz (Mifare / Desfire) technology. Recommended: DESFIRE. 
- Two configuration modes: standalone (up to 400 users).
- Wiegand-26 (up to 10,000 users if connected to the display).



Modular panel.



Made in anodised aluminium (**IP43 IK07**).



Chromed zamak pushbuttons and reinforcements.



Wide angle colour camera (Vertical=80°, Horizontal=120°).



Illumination for vision in low-light conditions.

The module-frame clip-on assembly system is very simple and effective. The modules fit perfectly into the profile.

Watertight tapes prevent water and dirt to get in. Once the panel is assembled, the different modules are connected to each other.



6V



1W=2V

1W=2V

1W=2V

TOTAL: 6V



1



2

**SKYLINER**  
BE CREATIVE

The wizard to create your SKYLINE



"Identifiers cannot be copied"

SKYLINE consists of **9 DIFFERENT-SIZED FRAMES** where different modules can easily be fitted. Modules come in 2 sizes, designated V and W. W is twice the size of V.

### FRAMES



### VIDEO AND AUDIO



**ref.73911**  
Video W

**ref.73902**  
Audio W

### DOUBLE PUSHBUTTONS



**ref.7371**  
8 PUSH. 2x4 W

**ref.7372**  
4 PUSH. 2x2 V

**ref.7376**  
2 PUSH. 2x1 V

### SINGLE PUSHBUTTONS



**ref.7367**  
4 PUSH. 1x4 W

**ref.7368**  
2 PUSH. 1x2 V

**ref.7375**  
1 PUSH. 1x1 V

### INFORMATIVE MODULES



**ref.7445**  
Panoramic  
cardholder W

**ref.7444**  
Panoramic  
cardholder V

**ref.7448**  
OneToOne V

**ref.7452**  
OneToOne V  
with inductive loop

### ACCESS CONTROL



**ref.7438**  
Memokey  
keypad W

**ref.7463/7440**  
Proximity reader V  
Desfire / EM

### DIGITAL MODULES



**ref.7439**  
Direct keypad W

**ref.7470**  
Graphic display W

**ref.7457**  
Digital  
keypad W

### ACCESSORIES



**ref.7443**  
Metallic complement W

**ref.7442**  
Metallic complement V

### Access control modules



ref.7438/5191

#### KEYPADS

| 7438 MEMOKEY W                                                                                                                                                                                                                 |                             |                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-------------------|
| <b>Authentication:</b> Pin                                                                                                                                                                                                     | <b>Aesthetics:</b> Cityline | <b>Users:</b> 100 |
| Backlighted stand-alone keypad with signal LEDs. It activates the door lock release when a code up to 6 digits is entered. It allows to register 100 different codes that can activate 1 or 2 relays. Power supply: 12Vac/Vdc. |                             |                   |

| 5191 WIEGAND SKYLINE KEYPAD                                                                              |                             |
|----------------------------------------------------------------------------------------------------------|-----------------------------|
| <b>Authentication:</b> Pin                                                                               | <b>Aesthetics:</b> Cityline |
| Keypad with Wiegand output for connection to a stand-alone controller ref.5193 or access control system. |                             |



PROXIMITY  
ref. 7463/7440/7461

#### READERS

| 7463 SKYLINE DESFIRE PROXIMITY READER                                                                                                                           |                            |                   |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>Authentication:</b> Proximity (DESFIRE)                                                                                                                      | <b>Aesthetics:</b> Skyline | <b>Users:</b> 400 |                                                                                     |                                                                                     |
| It manages up to 400 cards in stand-alone mode. Power supply: 12Vac/dc.<br>It allows door opening when approaching a proximity card or a key fob to the module. |                            |                   |                                                                                     |                                                                                     |

| 7461 SKYLINE WG MIFARE/EM PROXIMITY READER V                                                         |  |  |  |  |
|------------------------------------------------------------------------------------------------------|--|--|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Reader with Wiegand output for connection to external controller mini 5193 or access control system. |  |  |                                                                                       |                                                                                       |

| 7440 EM PROXIMITY READER V                                                                                                                                      |                            |                   |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-------------------|---------------------------------------------------------------------------------------|
| <b>Authentication:</b> Proximity (EM)                                                                                                                           | <b>Aesthetics:</b> Skyline | <b>Users:</b> 400 |                                                                                       |
| It manages up to 400 cards in stand-alone mode. Power supply: 12Vac/dc.<br>It allows door opening when approaching a proximity card or a key fob to the module. |                            |                   |                                                                                       |

| 2306 PRIVATE PROGRAMMING KEYPAD                                                              |  |
|----------------------------------------------------------------------------------------------|--|
| Allows to manually deactivate lost identifiers.<br>Only for ref. 7440 EM PROXIMITY READER V. |  |



ref.2306



ref.5291

#### RF

| 5291 RECEPTOR BASIC-MINI                                                                    |
|---------------------------------------------------------------------------------------------|
| To be installed in audio/video door entry panels. Remote control opening with secured code. |

#### IDENTIFIERS

| DESFIRE  |                                                                                                              |                                                                                     | MIFARE  |                                                                                     | EM  |                                                                                      |                                                                                       |                                                                                       | RF 868Mhz                                                                             |                                                                                       |
|---------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| KEY FOB                                                                                     | CUSTOM KEY FOB                                                                                               | CARD                                                                                | KEY FOB                                                                                    | CARD                                                                                | KEY FOB                                                                                  | CUSTOM KEY FOB                                                                       | CARD                                                                                  | BRACELET                                                                              | REMOTE CONTROL                                                                        |                                                                                       |
| 4532                                                                                        | 4529*                                                                                                        | 4531                                                                                | 52740                                                                                      | 52750                                                                               | 4515                                                                                     | 4519*                                                                                | 23361                                                                                 | 6949                                                                                  | 5259                                                                                  | 5231                                                                                  |
|          | <br>AT NO ADDITIONAL COST |  |         |  |       |  |  |  |  |  |

\*Please consult conditions.



"Identifiers cannot be copied"



### Panel accessories



#### 8829 JOINING BOLTS SET

It allows to combine two or more frames. One set is required for each additional frame installed on flush box.



A cable is required per each additional frame in order to connect the pushbuttons modules between both frames (70 cm).

#### 2541 DUOX PLUS/VDS CONNECTION CABLE (6W)

#### 2542 DUOX PLUS/VDS CONNECTION CABLE (5W)

This cable is suitable only for Cityline and Marine pushbutton panels.

|     |  |  |  |  |  |  |
|-----|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|     | FLUSH BOX                                                                          | SURFACE BOX                                                                        | SIMPLE HOOD DOUBLE                                                                 | MODULAR FRAME*                                                                     | SIMPLE CITY FRAME DOUBLE                                                             | ANGULAR COMPLEMENT                                                                   |
| S1  | ref.8851<br>115x114x45                                                             | ref.7061<br>130x128x33                                                             | ref.8400<br>135x130                                                                | ref.9191<br>211x210                                                                | ref.8251<br>225x310                                                                  | ref.8378                                                                             |
| S2  | ref.8852<br>115x138x45                                                             | ref.7062<br>130x151x33                                                             | ref.8401<br>135x155                                                                | ref.9192<br>211x234                                                                | ref.8252<br>225x310                                                                  | ref.8379                                                                             |
| S3* | ref.8853<br>115x162x45                                                             | ref.7063<br>130x175x33                                                             | ref.8402<br>135x177,5                                                              | ref.9193<br>211x257                                                                | ref.8253<br>225x375                                                                  | ref.8380                                                                             |
| S4  | ref.8854<br>115x185x45                                                             | ref.7064<br>130x199x33                                                             | ref.8403<br>135x203                                                                | ref.9194<br>211x281                                                                | ref.8254<br>225x375                                                                  | ref.8381                                                                             |
| S5  | ref.8855<br>115x233x45                                                             | ref.7065<br>130x246x33                                                             | ref.8404<br>135x250                                                                | ref.9195<br>211x329                                                                | ref.8255<br>225x375                                                                  | ref.8382                                                                             |
| S6  | ref.8856<br>115x280x45                                                             | ref.7066<br>130x294x33                                                             | ref.8405<br>135x300                                                                | ref.9196<br>211x376                                                                | ref.8256<br>225x450                                                                  | ref.8383                                                                             |
| S7  | ref.8857<br>115x328x45                                                             | ref.7067<br>130x341x33                                                             | ref.8406<br>135x345                                                                | ref.9197<br>211x424                                                                | ref.8257<br>225x450                                                                  | ref.8384                                                                             |
| S8  | ref.8858<br>115x375x45                                                             | ref.7068<br>130x389x33                                                             | ref.8407<br>135x393                                                                | ref.9198<br>211x471                                                                | ref.8258<br>225x450                                                                  | ref.8385                                                                             |
| S9  | ref.8982<br>115x420,5x45                                                           | ref.7069<br>130x436,5x33                                                           | ref.8480<br>135x440,5                                                              | ref.9199<br>211x519                                                                | ref.8259<br>225x495                                                                  | ref.8386                                                                             |
| S10 | ref.8983<br>115x471x45                                                             | ref.7081<br>130x486x33                                                             | ref.8481<br>135x488                                                                | -                                                                                  | ref.8264<br>225x543                                                                  | ref.8387                                                                             |

\* 3 Series only for Cityline

To make DOUBLE modular frames, add to the SINGLE frame a DOUBLE PANEL MODULAR FRAME KIT (ref.9200) Horizontal: 341mm.

To make TRIPLE modular frames, add to the SINGLE frame a TRIPLE PANEL MODULAR FRAME KIT (ref.9201) Horizontal: 471mm.



**IP65 IK09**

### MARINE PANEL

#### 3.5" graphic display on digital panels:

- Display activation by presence sensors.
- Electronic directory agenda of residents.
- Menu-driven configuration from the keypad.
- Information pictograms (One-To-One) with the communication status (calling, in communication, door open, channel busy).
- Upload images, logos and personalised messages.
- Alphanumeric call to apartment.

#### Keypad:

- The metallic keypad is made of zamak. It has permanent backlighting.
- The keypad can be used to open the door by entering a previously programmed PIN code. The number of different users/codes allowed in the DUOX PLUS system is 10,000.

#### Proximity reader:

- 125KHz (EM) or 13,56MHz (Mifare / Desfire) technology. Recommended: DESFIRE. 
- Two configuration modes: standalone (up to 400 users).
- Wiegand-26 (up to 10,000 users if connected to the display).



**IP65 IK09** vandal-proof door entry panel.  
Made in **stainless steel**, 2.5mm-thick.

**AISI 316L**

AISI 316L steel, of high quality and resistant to extreme or adverse climatic conditions, wet or corrosive climates.



Wide angle colour camera  
(Vertical=85°, Horizontal=125°).



Illumination for vision in low-light conditions.

### Pushbutton Marine panel



ref.44438  
150x180



ref.44338  
150x180



ref.44348  
150x180

|              |                                                             |
|--------------|-------------------------------------------------------------|
| <b>44438</b> | <b>1/W BLACK MARINE DUOX PLUS VIDEO PANEL</b>               |
| <b>44338</b> | <b>1/W MARINE DUOX PLUS VIDEO PANEL</b>                     |
| <b>44348</b> | <b>2/W MARINE DUOX PLUS VIDEO PANEL</b>                     |
| <b>4641</b>  | <b>S1 FLUSH BOX</b> Dimensions: 130x160x55mm                |
| <b>4645</b>  | <b>S1 SURFACE BOX WITH HOOD</b><br>Dimensions: 154x184x96mm |
| <b>4701</b>  | <b>S1 HOOD FOR FLUSH BOXES</b><br>Dimensions: 184x154x40mm  |

FLUSH OR SURFACE BOX must be requested separately. The surface boxes include a hood.



"Identifiers cannot be copied"

### Digital Marine panel



ref.55261  
150x360

ref.5471  
150x360

- The **DIGITAL MARINE** panel includes a keypad to call the apartments by dialling the door number or the corresponding code.
- A **DIRECTORY DISPLAY** allows to search for the residents and their door number.
- Once the code is dialled, press the **BELL KEY** to call.
- The metallic keys are made of zamak. It has permanent backlighting.
- Through the keypad it is possible to activate the installation's electric lock with a previously programmed PIN.
- 10,000 different users/codes in DUOX PLUS system.

**55261 DUOX PLUS DIGITAL MARINE VIDEO PANEL ST3**

**5471 MARINE ST3 DIRECTORY PANEL**



ref.55289

ref.55282

**55282 DUOX PLUS DIGITAL MARINE VIDEO PANEL DESFIRE**



**55289 DUOX PLUS DIGITAL 1/W MARINE VIDEO PANEL DESFIRE**



In addition to being able to call the main guard unit by pressing the BELL KEY, these outdoor panel models also include a pushbutton to call directly any DUOX PLUS ref. 9423 guard unit in the installation (for example, to call from a block panel to the guard unit at the General Entrance). That guard unit address must be previously configured by the installer.

|                            | SERIES ST3<br>Panel: 150x360 | SERIES ST3+<br>Panel: 150x420 | SERIES ST4<br>Panel: 150x485 |
|----------------------------|------------------------------|-------------------------------|------------------------------|
| FLUSH BOX                  | ref.4643<br>130x340x55       | ref.4653<br>130x400x55        | ref.4644<br>130x465x55       |
| SURFACE BOX<br>(with hood) | ref.4647<br>154x364x96       | ref.4654<br>154x423x96        | ref.4648<br>154x489x96       |
| HOOD<br>(for flush boxes)  | ref.4703                     | ref.4655                      | ref.4704                     |



"Identifiers cannot be copied"

# Marine Elite panel

UNIQUELY FERMAX. SPECIALLY  
MADE FOR YOU!

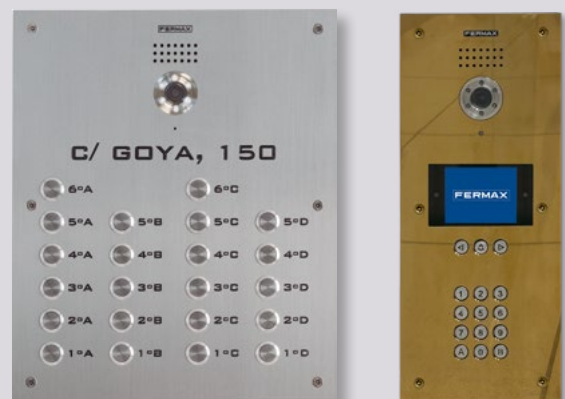


Our  
differentiating  
proposal to  
make your  
projects  
unique

FERMAX has a **laser-cut machining line for stainless steel panels**.

This process allows us to offer **complete flexibility when it comes to making the MARINE panel required** with optimal delivery time.

The MARINE Elite panels are **available in several colours**: indicate the desired RAL when ordering your panel.



**NEW**  
Brass finish

- Special **formats** and **dimensions**.
- Available in **all RAL colours**.
- **Laser logo or text marking**. The engraving is only available on the panels in stainless steel colour.



**PROELITE**  
The wizard to  
create your  
Marine Elite panels.



## MANUFACTURING PROCESS OF MARINE PANELS



### 31728 DUOX PLUS MARINE ELITE PANEL

The following variants are available on request:

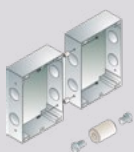
- Panel with special formats and dimensions.
- Integration of access control modules and special combinations with amplifier, pushbuttons and other accessories.
- Laser logo marking. The engraving of the panels is only available on steel-coloured panels. Other colours cannot be engraved.
- Engraving of house number and messages.
- Pushbuttons without card holder.
- Backlighting.
- The maximum number of pushbuttons that can be mounted within a single Marine panel with DUOX PLUS amplifier is 99.

### 4579 MARINE ELITE RAINHOOD (FOR FLUSH MOUNTING)

### 4580 MARINE ELITE FLUSH BOX

### 4581 MARINE ELITE SURFACE BOX WITH RAINHOOD

## Pushbutton and digital accessories



ref.2289



ref.2441



ref.2008

### 2289 MARINE JOINING BOLTS SET FOR FLUSH BOX

Allows flush-mounted boxes of the same series to be joined laterally. One set is required for each additional outdoor panel.

### 2441 16 CALL EXTENSION MODULES

### 2008 8 CALL EXTENSION MODULES

MARINE ELITE door stations with pushbuttons (except for 1 and 2-way door stations), always require a call extension module depending on the number of pushbuttons (ref. 2008 - 8 call extension module, ref. 2441 - 16 call extension module).

All monitors are available in standard and Wi-Fi models.

### VEO Monitor

4.3" (16:9) colour screen  
With handset



### VEO-XS Monitor

4.3" (16:9) colour screen  
Hands-free



Made of high-impact ABS white plastic.

Silicone buttons.

Surface installation.

Additional configurable functions such as activating second access, courtesy light, etc. (DUOX PLUS relay required).

Colour screen with OSD menu.

Do not disturb function.

Settings: contrast, brightness, colour and volume.

Date and time setting.

Apartment entrance doorbell.

Automatic image capture per call (memory up to 150 photos).

Auto-on: activate the outdoor panel and switch the display to another panel or camera.

Doormatic function (VEO-XS y VEO-XL): Automatic door opening for professionals (offices, clinics, etc.).

The same wall mounting connector is used for all monitor models. This makes the installer's job easier and provides great flexibility, allowing each resident in the building to choose the monitor they prefer.

# VEO-XL Monitor

7" (16:9) colour screen  
Hands-free



BLUE is now....

**DuoxMe**  
FERMAX



## Call divert to mobile.

All **Wi-Fi monitors** are equipped with Wi-Fi connection that allows forwarding calls to mobile devices to enjoy the DuoxMe service free of charge.

The **DuoxMe application** allows end-users to manage the functions of the video door entry system and much more directly from their smartphone or tablet.



|                                                                                |                                                    |  |
|--------------------------------------------------------------------------------|----------------------------------------------------|--|
| 9446                                                                           | DUOX PLUS VEO Wi-Fi MONITOR                        |  |
| 9456                                                                           | DUOX PLUS VEO Wi-Fi MONITOR WITH INDUCTIVE LOOP    |  |
| 9445                                                                           | DUOX PLUS VEO MONITOR                              |  |
| 9455                                                                           | DUOX PLUS VEO MONITOR WITH INDUCTIVE LOOP          |  |
| Dimensions: 200x200x23mm (44 mm with handset).                                 |                                                    |  |
| 9449                                                                           | DUOX PLUS VEO-XS Wi-Fi MONITOR                     |  |
| 9459                                                                           | DUOX PLUS VEO-XS Wi-Fi MONITOR WITH INDUCTIVE LOOP |  |
| 9448                                                                           | DUOX PLUS VEO-XS MONITOR                           |  |
| 9458                                                                           | DUOX PLUS VEO-XS WITH INDUCTIVE LOOP               |  |
| Hands-free. Dimensions: 125x165x21 mm.                                         |                                                    |  |
| 9469                                                                           | DUOX PLUS VEO-XL Wi-Fi MONITOR                     |  |
| 9479                                                                           | DUOX PLUS VEO-XL Wi-Fi MONITOR WITH INDUCTIVE LOOP |  |
| 9468                                                                           | DUOX PLUS VEO-XL MONITOR                           |  |
| 9478                                                                           | DUOX PLUS VEO-XL WITH INDUCTIVE LOOP               |  |
| Hands-free. Dimensions: 185x185x21 mm.                                         |                                                    |  |
| 9447                                                                           | DUOX PLUS CONNECTOR                                |  |
| Support for mounting the DUOX PLUS VEO, VEO-XS and VEO-XL monitor on the wall. |                                                    |  |



**Note:** In models with inductive loop, the induction system included in the monitors allows to transform the audio signal into a magnetic field adapted to the hearing aids or prostheses of hearing impaired persons.



### Call divert to mobile/tablet

Free application  
**DuoxMe**  
FERMAX



With the DUOX PLUS Wi-Fi monitors, the **call divert to mobile phones comes as standard.**

It allows to **establish communication with the outdoor panels and open the door.**

It allows to **see who is calling** before answering and **open a second auxiliary door.**

**Automatic image capture** of the caller and their **register in the call log.**

Up to **8 smartphones/tablets in the same apartment** can receive the call **simultaneously.**

It is as simple as downloading the **DuoxMe** app from Google Play or the Apple Store.



#### Pretend you are at home.

Answer calls from the video intercom on your smartphone.



#### See who called.

Check the images of those who called while you were away. Download and share them.



#### Open without keys.

Open the door directly from the app.



#### Activate the camera.

See what is happening outside your house whenever you want.



#### Share the access.

Invite family, friends or tenants to receive calls and open for you.



#### Open with your voice.

DuoxMe is compatible with Android, Siri and Apple Watch widgets.

## Smart speakers

By connecting to **Alexa and Google Home**, you can receive call notifications from the video intercom on a smart speaker or display.

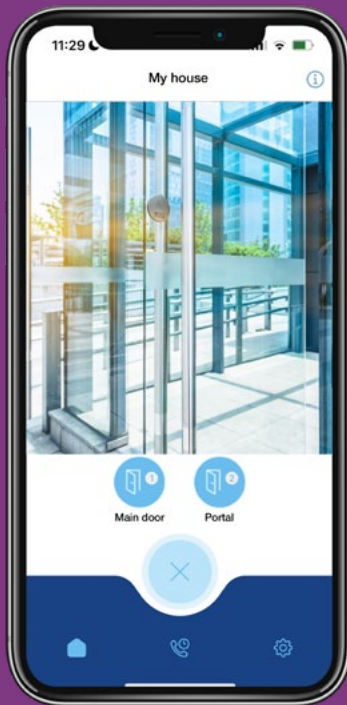
You can also **use your voice to open the door**, either with smart speakers or displays or with Siri from your iOS device (iPhone, iPad or Apple Watch).





# DuoxMe

FERMAX



Door opening without the keys



Change the camera

Hang up the call

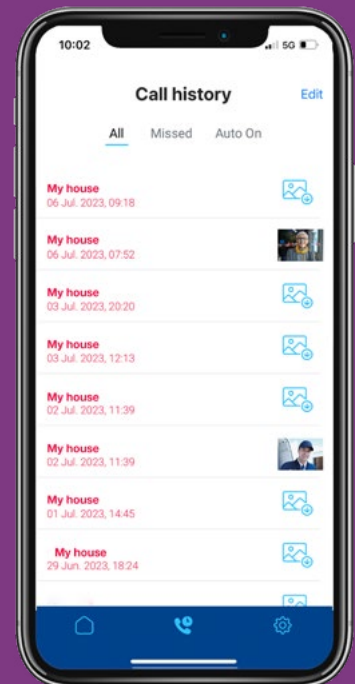


Image capture and call history



More information about **DuoxMe**



Answer the call

Open the door

## Your voice is the key!

Open the door without stopping what you are doing.

## Don't wait for the delivery man!

Open the door with DuoxMe and don't miss that package you've been waiting for.

## No one will know you're away

No matter where you are. You'll always have your intercom with you on your smartphone.

### Telephones



VEO

EXTRA



iLOFT

**VEO, LOFT and iLOFT** telephones include the following features:

- Door opener button and call to guard.
- 5 selectable ringtones.
- Ring volume control.
- Doorbell.

**Loft Extra and iLOFT** phones include buttons for additional functions: lights on 2nd door opening, etc. **Loft Extra:** 2 additional buttons; **iLOFT:** 1 additional button.

**VEO. LOFT:** Made of high-impact ABS with a texturised finish for easy cleaning and ultraviolet protection. It has many attachment points for wall mounting, as well a coiled cord with telephone plug connectors. A magnet located in the handset facilitates to hang it up correctly.

#### 3444 DUOX PLUS VEO TELEPHONE

Dimensions: 82x214x43 mm.

#### 3452 DUOX PLUS LOFT EXTRA TELEPHONE

Loft Extra telephone dimensions: 85x220x40mm.

#### 3450 iLOFT DUOX PLUS TELEPHONE

Dimensions: 90x146,5x20mm.

Compact and extra slim. Made of ABS. iLOFT telephone allows communication with the outdoor panel in hands-free mode. The integrated digital audio technology ensures high-quality and interference-free communication.

**NOTE:** iLOFT telephone ref.3450 is NOT compatible with the CORA panel.

### Monitors and telephones accessories



ref.9410



ref.9420



ref.5636



ref.3749



ref.3388



ref.3389

#### 9410 VEO MONITOR DESKTOP SUPPORT

#### 9420 VEO-XS AND VEO-XL MONITOR DESKTOP SUPPORT

#### 3749 VEO/LOFT TELEPHONE DESKTOP SUPPORT

#### 5636 iLOFT TELEPHONE DESKTOP SUPPORT

Desktop supports allow to answer a call to the entrance panel from the office desktop. Made of stainless steel (AISI 316L).

#### 3388 UNIVERSAL DECORATIVE FRAME. 120X240

#### 3389 UNIVERSAL LARGE DECORATIVE FRAME. 210X240

Decorative Frames are aesthetic complements. Useful in retrofitting applications or replacement of previous equipment.



#### 3441 LOFT HANDSET WITH INDUCTIVE LOOP



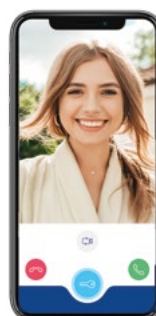
#### 3443 VEO HANDSET WITH INDUCTIVE LOOP

**Duox Plus Wi-Fi video guard unit** has a multi-functional 4,3" capacitive touch screen and quick function access buttons for easy and convenient management.

Its unique handset design incorporating a magnet enables the end-user to put it back into position correctly. It includes a stainless steel desktop support. It allows a surface installation.



## Call divert to mobile/tablet



**DuoxMe**  
FERMAX



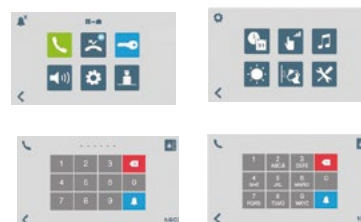
In addition to all the standard functions of a DUOX PLUS audio guard unit, this new Wi-Fi video guard unit allows:

- Visualise **video upon receiving a call from the entrance panel** (both in preview and in conversation).
- Visualise **video when selecting a panel** to connect with (Auto-on).
- **Switch the camera** during image visualisation.
- **Receiving and answering** calls from the households.
- **Easy agenda transfer from mobile/tablet/PC/Mac (web server)** by uploading a file with the agenda.
- **Call divert to mobile/tablet (DuoxMe App)** as in DUOX PLUS Wi-Fi monitors.
- **Automatic image capture** (Photocaller).
- Manual image capture.
- **Reception of Panic calls** (configuration as guard unit in Panic mode).
- **Warning** at the guard unit of a **forced outdoor panel** (only with CORA outdoor panel), via door sensor.

### 9424 DUOX PLUS WI-FI VIDEO GUARD UNIT

Three operation modes:

- **Day:** it receives calls from outdoor panels and apartments. The calls from the outdoor panel to apartments are always received in the guard unit.
- **Mixed:** the calls from the outdoor panels are received in the apartments and it can also be configured to forward them to the concierge unit after 15 s.
- **Night:** only calls from the outdoor panels to apartments are allowed. The guard unit does not receive any call.



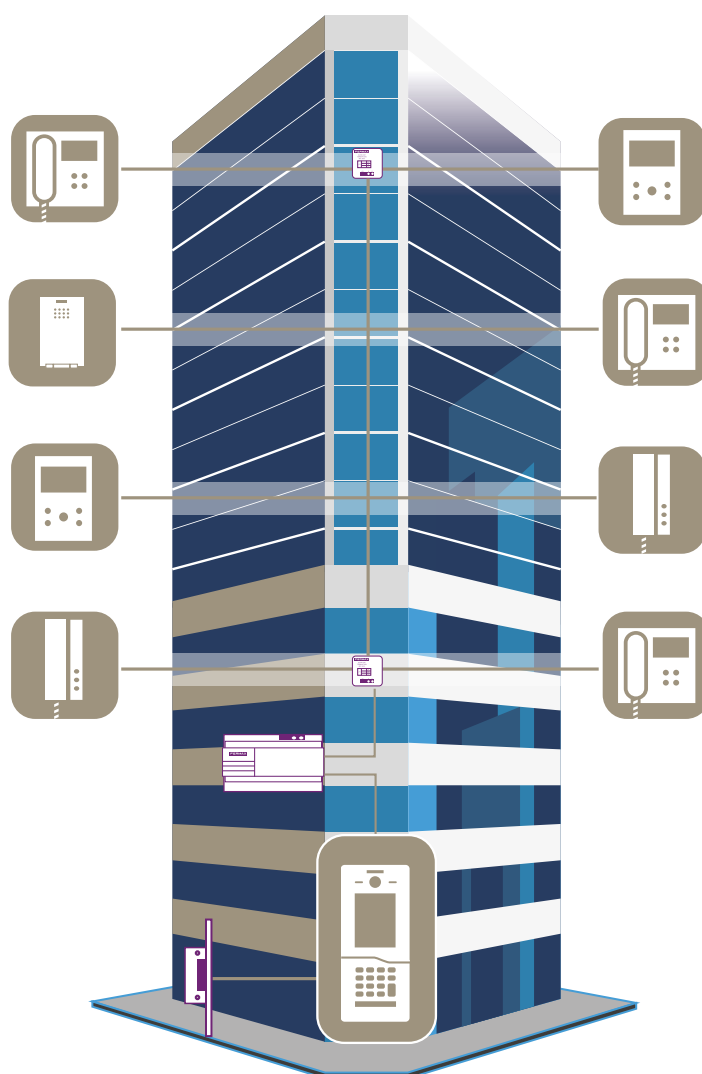


The wizard to  
create your projects



### SIMPLE INSTALLATION (1 Building)

**LESS COMPONENTS REQUIRED FOR INSTALLATION.  
NO FLOOR DISTRIBUTORS. NO DECODERS. NO SWITCHERS**



The only materials required are:

- Panel
- Power Supply
- Monitors and telephones
- Line adaptors

Apartments are easily connected at each level using simple terminal strips.

**NOTE:** Depending on the type and condition of cable and distances, additional regenerators, decoders or power supply might be required.



## Power supply and Adaptors

### For most common cases

In the most common installations, DUOX PLUS does not require any installation devices other than the power supply and a pair of line adaptors per riser. The maximum number of monitors that can be connected to each power supply ref. 4825 depends on the installation topology, cable type and monitor model, as shown in the tables below.



ref.3255



ref.4825

#### 3255 DUOX PLUS LINE ADAPTOR

Necessary at the beginning and the end of every riser.

#### 4825 POWER SUPPLY + FILTER 24VDC-2.5A DIN10

TERMINAL CONSUMPTION TABLE PER POWER SUPPLY IN **DISTRIBUTION (6 PER FLOOR)**

|                    | NO Wi-Fi |        |        | Wi-Fi |        |        |
|--------------------|----------|--------|--------|-------|--------|--------|
|                    | VEO      | VEO-XS | VEO-XL | VEO   | VEO-XS | VEO-XL |
| 1.0mm              | 40       | 40     | 34     | 28    | 28     | 24     |
| 0.5mm <sup>2</sup> | 40       | 38     | 30     | 24    | 24     | 18     |
| 0.2mm <sup>2</sup> | 32       | 26     | 20     | 18    | 18     | 12     |

TERMINAL CONSUMPTION TABLE PER POWER SUPPLY IN **CASCADE**

|                    | NO Wi-Fi |        |        | Wi-Fi |        |        |
|--------------------|----------|--------|--------|-------|--------|--------|
|                    | VEO      | VEO-XS | VEO-XL | VEO   | VEO-XS | VEO-XL |
| 1.0mm              | 40       | 38     | 30     | 26    | 22     | 20     |
| 0.5mm <sup>2</sup> | 32       | 28     | 22     | 20    | 18     | 14     |
| 0.2mm <sup>2</sup> | 16       | 14     | 10     | 12    | 10     | 8      |

### For specific cases



ref.4840



ref.3289



ref.4802



ref.4800

#### 4840 POWER SUPPLY DIN-6 100-240VAC/24VDC-2A

To be used exclusively with the filter ref. 3289 or with the 2-way regenerator ref. 3269.

#### 3289 DUOX PLUS FILTER 24VDC

In case the ref. 4825 cannot be installed due to lack of space. This filter can be used only with 24Vdc power supply (ref. 4840). Do not use it with 18Vdc power supply.

#### 4802 POWER SUPPLY DIN4 230VAC 12VAC/1A

12Vac for altern current lock release.

#### 4800 POWER SUPPLY DIN4 230VAC 12VAC/1,5A

12Vac for altern current lock release.

## Lock Release



### UNIVERSAL DOOR LOCK RELEASE

#### 29588 LOCK RELEASE 300N-412-S MAX

#### 67501 UNIV. LOCK RELEASE 990N-P22 MAX 10-24VAC/DC

### UNIVERSAL ELECTRIC STRIKE

#### 6750 UNIV. ELECTRIC STRIKE 990N MAX 10-24VAC/DC

#### 6752 UNIV. ELECTRIC STRIKE 990A MAX 12-24VAC/DC

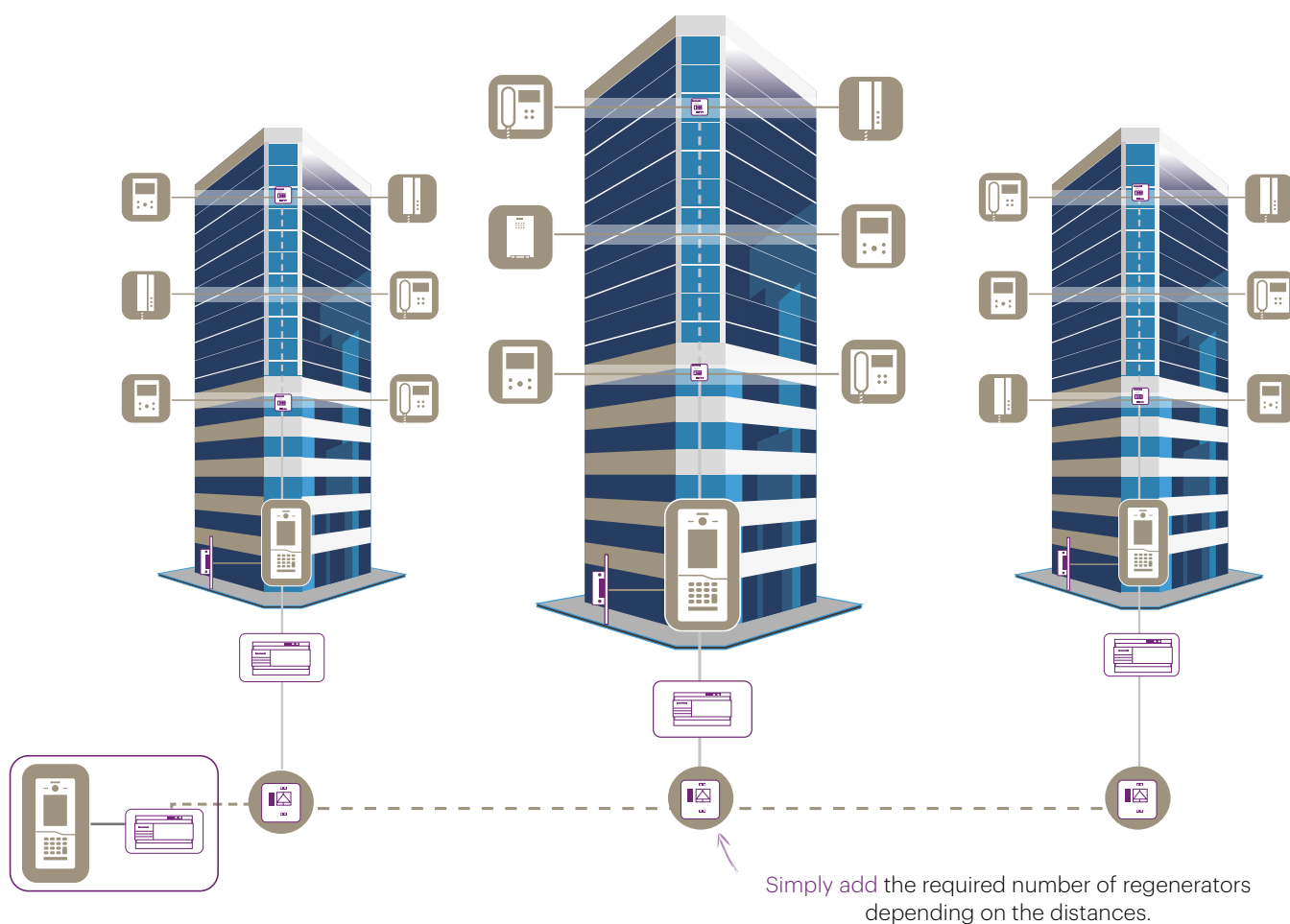
**Note:** If other models of door lock release are used and their power consumption is greater than 250mA, an additional separate power supply must be used.

### EXTENDED INSTALLATION (multiple buildings or longer distances)

FOR ALL KINDS OF PROJECTS WITH LONGER DISTANCES, VERTICAL STRUCTURES OR HORIZONTAL INSTALLATIONS



The wizard to  
create your projects



#### DUOX PLUS allows you to push the boundaries of digital technology.

Thanks to the digitalisation of the system, it can now be used in all kinds of installations. The more complex the installation is, the more powerful DUOX PLUS will be. Regenerators and decoders are the only elements to be added for large installations or long distances.

## Regenerators and Decoders

Regenerators and decoders take scalability to the next level. No installation, no matter how large, can resist DUOX PLUS.



ref.3269



ref.3268



ref.9419



ref.9425

### WHEN IS IT RECOMMENDED TO INSTALL THE SMART DECODER?

- When we have to install more than 6 terminals per floor in the building.
- When the distance between the terminals and the riser is greater than 25 metres or when this distance is unknown.
- When different types of wires are mixed in the same installation or all the cables go to the same point.

### REGENERATORS

It allows to regenerate and amplify the signal in both ways, as well as amplify distances and number of indoor terminals. Moreover, the connected sections to input and output protect against short-circuit, charge and signal reflections mutually. Maximum 5 units in cascade. Up to 99 if connected in parallel.

#### 3269 2/W DUOX PLUS REGENERATOR

It has 1 input and 2 outputs. By having 2 outputs (also isolated from each other) it enables the number of risers to be increased. Requires 24Vdc power supply without filter (ref. 4840). For more information: <https://fermax.com/intl-en/documents>

#### 3268 1/W DUOX PLUS DUAL REGENERATOR

It has 1 input and 1 output. As per factory default settings, electrical energy does not flow, but this can be configured via a dipswitch so that the data (which regenerates) as well as the power supply can pass through. That way there is no need to always install a power supply at the output. The number of devices that can be fed at the output without an additional power supply units will depend on the power that reaches the regenerator. For more information: <https://fermax.com/intl-en/documents>

|                                                  | 3269                   | 3268 |
|--------------------------------------------------|------------------------|------|
| <b>Number of inputs</b>                          | 1                      | 1    |
| <b>Number of outputs</b>                         | 2                      | 1    |
| <b>Regenerates</b>                               | YES                    | YES  |
| <b>Isolates</b>                                  | YES                    | YES  |
| <b>Incorporates power supply filter</b>          | YES                    | NO   |
| <b>Additional conversation channel per riser</b> | NO                     | YES  |
|                                                  | (in multichannel mode) |      |

### DECODERS

#### 9419 10/W DUOX PLUS DECODER/ISOLATOR

10-outputs floor decoder. One output per home, allowing up to 3 terminals (monitors/telephones) per home. Multiple decoders can be installed on each floor. Each output allows to increase the diversion distances on a floor up to 100 m.

In the event of a malfunction (short circuit) of any of the decoder's outputs, both the input DUOX PLUS bus and the rest of the outputs will continue to operate normally. In addition, when a short-circuit occurs on an output, the red LED associated with the output will light up, indicating the output on which the fault has occurred.

It is not necessary to enter a house to program the address of the terminal since the decoder includes a group of microswitches (dipswitches) to program the addresses of each of its outputs (sequential programming). Also, the decoder addresses can be programmed non-sequentially (open programming).

The decoder is powered directly from the DUOX PLUS bus. With DIN10 rail mounting and removable terminal strips for easy wiring and installation.

#### 9425 4/W DUOX PLUS DECODER/ISOLATOR

Same as ref. 9419 but this is a 4-outputs floor decoder (DIN4) and the terminal strips are not removable.

DIN 6 rail mounting (including lateral fixing brackets for screws, width 106 mm). If the lateral fixing brackets for screws are removed, the width is 89 mm (DIN 5).

### ADDITIONAL FUNCTIONS

#### MORE SECURITY

Add IP cameras to monitor specific areas of the building

Bring security  
to all your  
installations!



ref.9454



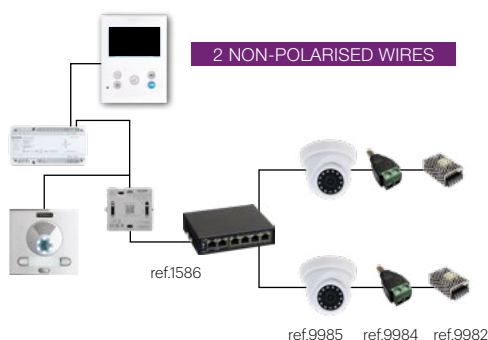
ref.9985



ref.9984



ref.9982



#### 9453 IP/DUOX PLUS INTERFACE+CAMERA KIT

It includes the IP/DUOX PLUS camera interface (ref.9454) and the IP camera (ref.9985) already pre-configured for the most common case of an outdoor panel and an additional camera. It also includes the camera power supply (ref.9982) and its adapter (ref.9984).

**IMPORTANT:** Check compatibility with the technical department.

#### 9454 IP/DUOX PLUS CAMERA INTERFACE

Allows the integration of IP video CCTV cameras into a DUOX PLUS installation. It transforms the IP video signal (standard RTSP) into a DUOX PLUS signal that is connected directly to the DUOX PLUS bus.

- Generally, one interface will be required for each camera installed in the DUOX PLUS installation. However, in the particular case of 2 cameras in the same block, up to 2 cameras can be configured on the same interface (in this case a PoE switch is required).
- Each camera will be powered externally with its additional power supply (ref. 9982+ref. 9984) or via a PoE switch.
- The interface is powered directly from the DUOX PLUS bus.

An outdoor panel can be associated to the interface, so that, while the IP camera is being viewed, it is possible to activate the opening of this panel.

DIN 6 rail mounting (including lateral fixing brackets for screws, width 106 mm). If the lateral fixing brackets for screws are removed, the width is 89 mm (DIN 5).

**IMPORTANT:** Check compatibility with the technical department.

#### 9985 PERIPHERAL IP DOME CAMERA

IP minidome camera (ceiling mount), 2MP resolution, 2.8mm fixed lens, IR LEDs, 30m range.

#### 9982 POWER SUPPLY PERIPHERAL CCTV CAMERA

Power supply for analogue or IP auxiliary cameras.

#### 9984 POWER ADAPTOR PERIPHERAL CCTV CAMERA

Power adapter, with a jack plug to connect the power supply to the camera.

#### 1586 4 POE PORTS SWITCH



ref.9985



ref.1586



### MORE FUNCTIONS

Activate a second gate, garden gate, or garage entrance door with DUOX PLUS relays that connect directly to the system bus, without additional wiring



ref.3233

#### 3233 DUOX PLUS BASIC RELAY

Basic functions. Allows you to activate an additional function from F1 or F2 of the DUOX PLUS terminals, without additional wiring. The relay can also be activated by the call or by activating the lock release. It can be connected at any point of the bus.

DIN 6 rail mounting (including lateral fixing brackets for screws, width 106 mm). If the lateral fixing brackets for screws are removed, the width is 89 mm (DIN 5).

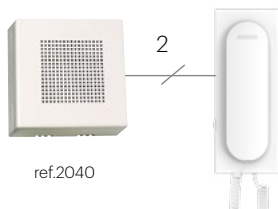


ref.3267

#### 3267 DUOX PLUS RELAY MODULE

Advanced functions. Allows you to pair 2 relays, 1 as a transmitter and other as a receiver, to perform remote activations. An address can be programmed with the address assistance (001-999) using the DUOX PLUS Programmer ref. 3254 via the relay's telephone connector.

DIN 6 rail mounting (including lateral fixing brackets for screws, width 106 mm). If the lateral fixing brackets for screws are removed, the width is 89 mm (DIN 5).



ref.2040

### CALL ACCESSORIES

#### 2040 ELECTRONIC CALL EXTENSION BELL



ref.5925

### CABLES

#### 5925 DUOX PLUS PARALLEL CABLE 2x1mm2



ref.9404

### TESTER

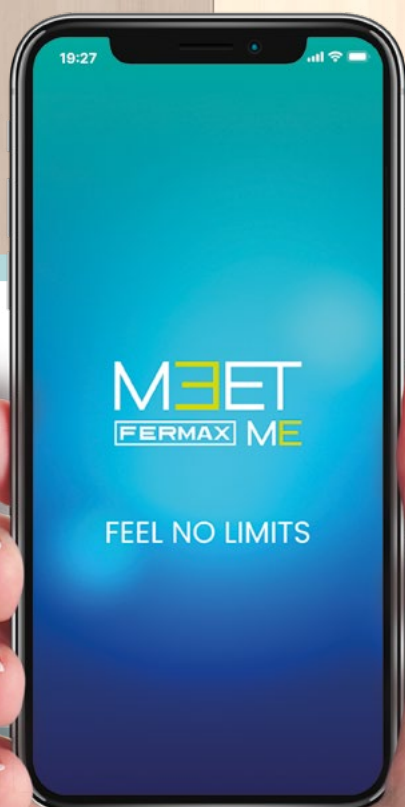
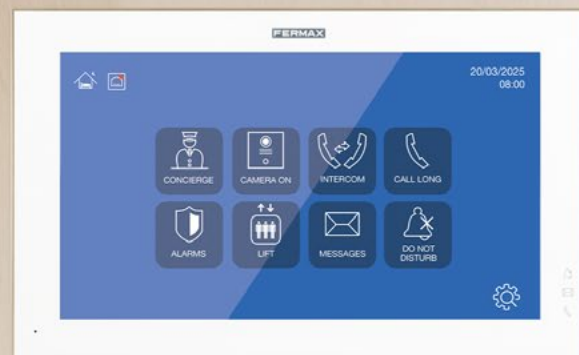
#### 9404 DUOX PLUS TESTER

The DUOX PLUS Tester is the ideal tool for the installer. It is used to assess the operation of each outdoor panel with the DUOX PLUS terminals in an installation, without the need to enter the apartments.

A test is initiated from a panel to one or more terminals and the operation of that panel with those terminals is checked.

This action is performed from a user interface on a web browser. From a mobile phone, tablet or computer we can connect to the installation through the Wi-Fi generated by the TESTER DUOX PLUS.

DIN 6 rail mounting (including lateral fixing brackets for screws, width 106 mm). If the lateral fixing brackets for screws are removed, the width is 89 mm (DIN 5).



**MEET** 100% IP system  
based on  
point-to-point  
infrastructure



## SIP system

Advanced and versatile solution that has been designed for the integration of the video door entry system with IP telephony systems.

# IP



# MEET

FEEL NO LIMITS **FERMAX** IP



## THE 100% IP SYSTEM BASED ON POINT-TO-POINT INFRASTRUCTURE



MEET does not require central units or servers.



It offers a secure system that allows the integration of access control, CCTV and alarm functions.



HD video quality and digital audio which ensure high quality communication.



The system is made up of digital panels, one-button panels, touch screen monitors, guard unit stations and various accessories.

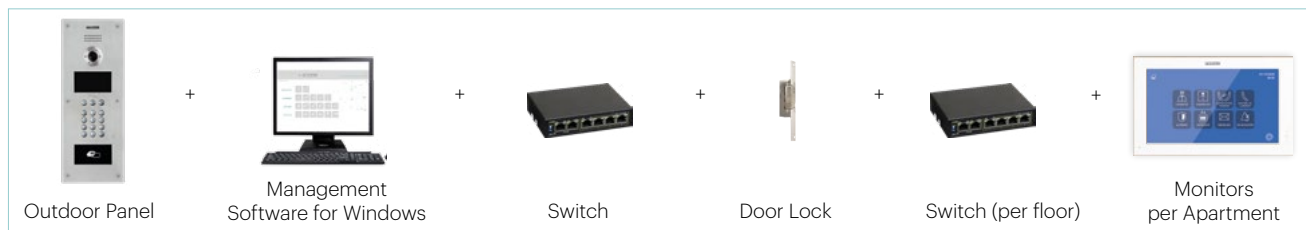


It allows the installer to define the IP range and thus facilitate the control of the networks.



Lift management is also controlled to ensure maximum user comfort.

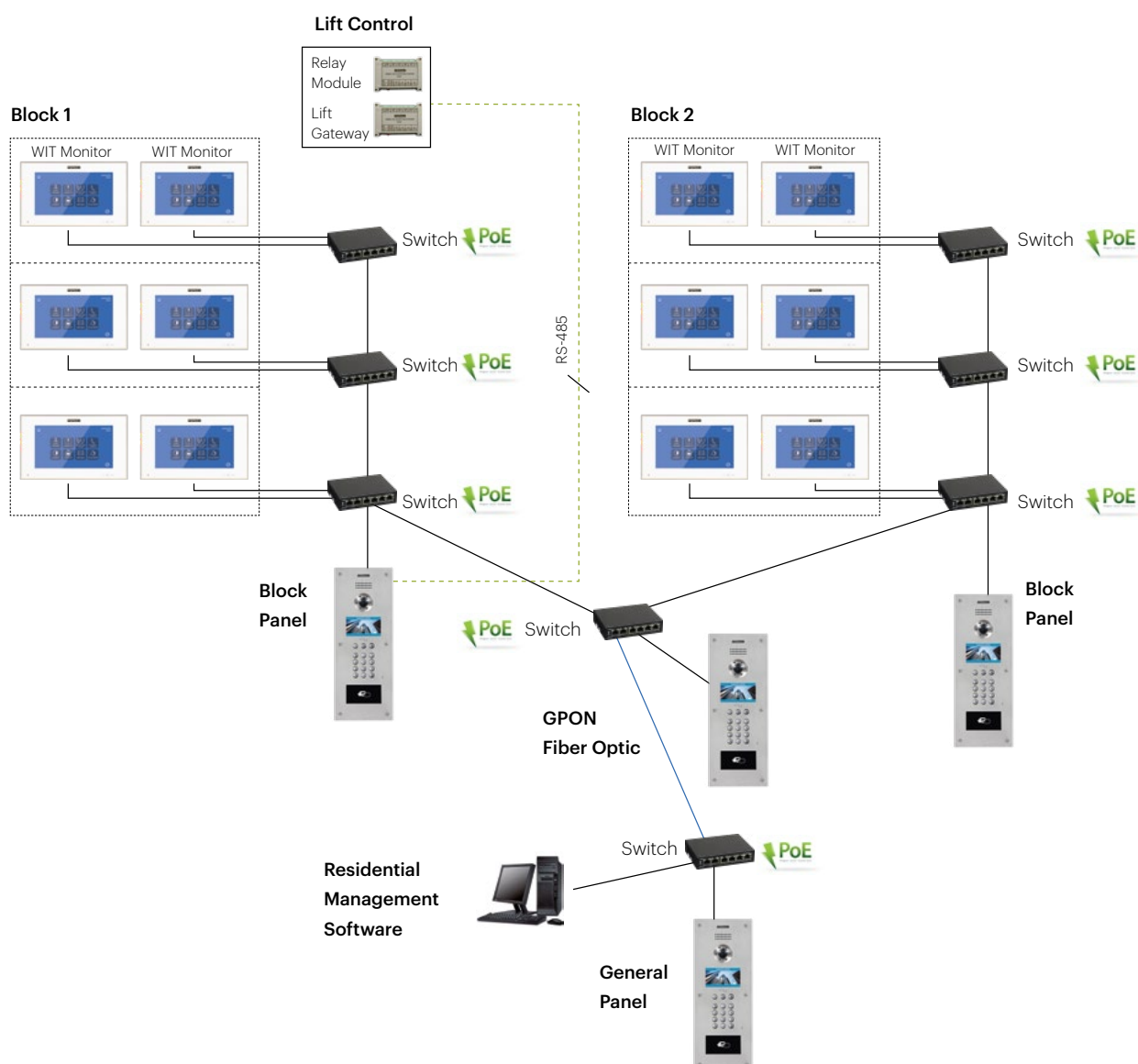




**FERMATX MEET** system is a **100% IP technology based on a Point-to-Point infrastructure**, highly efficient, flexible and powerful.

MEET allows the installer to freely assign **the range of IP addresses according to the needs of each project**, and thus facilitate the control of the networks.

The devices communicate directly, so MEET **does not require central units or servers** which could compromise the availability of the system in the event of an unforeseen error.



## Monitors

### LICENCE

MEET ME  
ref. 1496



### NEO 7"

WHITE  
ref. 14501



### WIT 7"

WHITE / BLACK  
ref. 14721 / 14723



### WIT 10"

WHITE / BLACK  
ref. 14831 / 14833



7"  
1 x RJ45

10"  
2 x RJ45

PoE  
Capacitive touch screen  
Alarm inputs  
MEET ME call forwarding licence included

800 x 480px

1024 x 600px

Video doorbell

APPs installation  
Metallic frame  
Video doorbell



## Panels

### 1/W MILO

ref. 9533 / 9534 / 953303



### MILO

ref. 1832



### MARINE

ref. 1455



### KIN

ref. 1445



|                                     |                                                                                                                        |                                                                                                            |                             |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|-----------------------------|
|                                     | TFT 4.3" colour                                                                                                        |                                                                                                            | 10" capacitive touch screen |
| IP54<br>1 pushbutton                | Aluminium + PMMA<br>IP65 IK07<br>Capacitive keypad                                                                     | Vandal-proof<br>IP65 IK09*<br>Stainless steel 316L<br>Customisable front<br>(see Marine Elite panels p.72) | IP54                        |
| PoE o 12Vdc power supply            |                                                                                                                        |                                                                                                            |                             |
| Proximity reader<br>MIFARE optional | Proximity reader<br>MIFARE integrated                                                                                  |                                                                                                            |                             |
|                                     | Wiegand connection - Facial Recognition<br>Up to 4 additional auxiliary IP cameras during conversation<br>Lift control |                                                                                                            |                             |
|                                     | Directory function - Mapping call<br>Whitelist - Guest PIN codes                                                       |                                                                                                            |                             |
| 1 pushbutton                        | Numeric keypad                                                                                                         |                                                                                                            | Alphanumeric call           |

\*The IP rating of the Marine panel will be upgraded from IP54 to IP65 during 2025. Please check availability.

### KIN

**KIN** has a 10" capacitive touch screen and a graphite grey finish at the forefront of design, in addition to having hidden screws and a hidden speaker, with side grille.

#### ELECTRONIC DIRECTORY

Home selection is easy: simply access the electronic directory to quickly search for the apartment you want to call. Navigating through user names is practical and accurate, making it possible to find the resident by choosing the first letter of the alphabet or just browsing the directory up and down.

#### CUSTOMISABLE TOUCH SCREEN

The user interface is dynamically adapted to the user's needs, guiding the visitor through the process and creating a pleasant user experience. All this thanks to the capacitive touch screen of the KIN panel, which incorporates a high resolution display (1024x600). The panels allows using virtual buttons and even creating buttons with logos or customised images.

#### 1.2Mpx COLOUR HD CAMERA

The camera has a high-definition image, providing excellent video quality. The camera is equipped with LED lighting for low light conditions. It is possible to send video stream directly from the panel to an IP CCTV security NVR using RTSP stream.

#### ALPHANUMERIC CALL

Thanks to its display it is possible to call through alphanumeric codes from A to H, such as 7B or 121F.

#### PROXIMITY READER\*

In addition to offering great security features with the MIFARE proximity reader, the KIN panel supports integration of third party readers such as HID and Wiegand.

#### FACE RECOGNITION\*

It is possible to open the door and call the lift using the KIN face recognition system, allowing residents to access the condominium building quickly, and providing greater security and comfort to the system.



IP54 protection



\* For the configuration of proximity cards and facial recognition, it is required the residential management SW and the key ref.9540.

|                          |                                             |
|--------------------------|---------------------------------------------|
| <b>1445</b>              | <b>KIN TOUCH PANEL MEET</b>                 |
| Panel: 185x405x50 mm     |                                             |
| <b>1449</b>              | <b>KIN PANEL FLUSH BOX MEET</b>             |
| Panel: 170x382x58 mm     |                                             |
| <b>95161</b>             | <b>KIN PANEL SURFACE BOX MEET ALUMINIUM</b> |
| Box: 189x413x64,5-110 mm |                                             |
| <b>9513</b>              | <b>KIN PANEL STEEL HOOD MEET</b>            |



## MILO

Panel with a touch keypad for smooth and precise use to meet different customer requirements.

### LCD DISPLAY. DIGITAL VERSION

High contrast 4,3" TFT display module. The display shows the communication status: calling, busy, etc. Electronic directory integrated.

### HD COLOUR CAMERA OF 1.2 MPX

The camera provides a high definition picture reverting in an excellent video quality.

The camera is equipped with LED lighting for low-light conditions. Additional video output RTSP IP.

### HIGH PROTECTION DIGITAL KEYPAD

Backlighting keypad allows to dial in poor light conditions.

Its compact design guarantees reliability and resistance in any environment.

IP65 IK07.

### FACE RECOGNITION\*

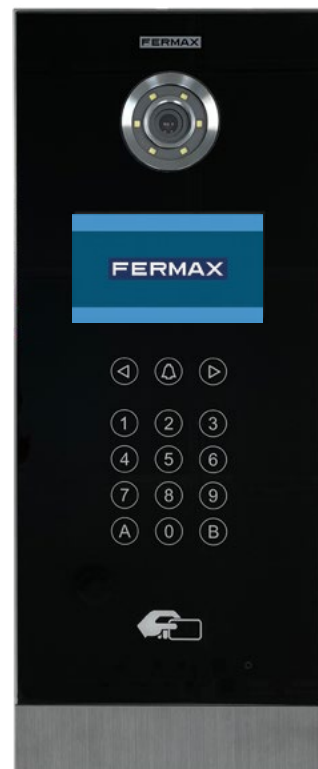
It is possible to open the door by face recognition, enabling the opening to the residents in the community and increasing the safety and comfort of the system. (Not available in MILO 1/W).

### PROXIMITY ACCESS CONTROL\*

MIFARE proximity access control reader included. Access can be granted to users reinforcing the security of the building.

It also allows to connect a third party reader directly to the panel or receive the information from the card through the Wiegand output to integrate it into external controllers (digital panel).

\* For the configuration of proximity cards and facial recognition, it is required the residential management SW and the key ref.9540.



IP65 IK07 protection



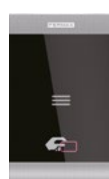
ref.9533



ref.9534



ref.953303



ref.9535



ref.1832

|                                                                  |                                                |
|------------------------------------------------------------------|------------------------------------------------|
| <b>1832</b>                                                      | <b>MILO TOUCH VIDEO PANEL MEET</b>             |
| Panel: 155x380x48mm. 1.2 Mpx.                                    |                                                |
| <b>9542</b>                                                      | <b>MILO PANEL FLUSH BOX- L MEET</b>            |
| Flush box 143x357x58mm.                                          |                                                |
| <b>95171</b>                                                     | <b>MILO DIGITAL PANEL SURF. BOX MEET ALUM.</b> |
| Box: 160x387x66-108mm.                                           |                                                |
| <b>95181</b>                                                     | <b>1/W MILO PANEL SURFACE BOX MEET ALUM.</b>   |
| Box: 123x190x66-106mm. Steel can be ordered as a special option. |                                                |
| <b>9512</b>                                                      | <b>MILO DIGITAL PANEL STEEL HOOD</b>           |

|                            |                                                 |
|----------------------------|-------------------------------------------------|
| <b>9533</b>                | <b>1/W MILO VIDEO PANEL MEET PoE</b>            |
| <b>9534</b>                | <b>1/W MILO VIDEO PANEL WITH PROX. MEET PoE</b> |
| <b>9511</b>                | <b>1/W MILO PANEL HOOD MEET</b>                 |
| <b>953303</b>              | <b>1/W MILO VIDEO BLACK PANEL MEET PoE</b>      |
| Panel: 118x183x49mm. 1 Mpx |                                                 |
| <b>9535</b>                | <b>MILO IP PROXIMITY READER MEET PoE</b>        |
| Panel: 118x183x49mm.       |                                                 |
| <b>9543</b>                | <b>MILO PANEL FLUSH BOX- S MEET</b>             |
| Flush box: 105x172.5x63mm. |                                                 |



MARINE panel



**PROELITE**  
The wizard to  
create your  
Marine Elite panels.

MARINE ELITE panels



### MARINE

IP65 IK09\*\* PoE

The resistance of the stainless steel combined with the Fermax technology and design. The MARINE MEET outdoor panel is the Fermax vandal-proof audio and video door entry panel. Made in **stainless steel 316L, 3 mm-thick**. It is a highly resistant panel due to its excellent quality in terms of both materials and production and assembly process.

#### MAXIMUM RESISTANCE

This video door entry panel is recommended for projects where the high level of security is required or in places with extreme weather conditions. All this thanks to its compact design and sealing that guarantees reliability and resistance against external factors **IP65\*\* and the IK09** impact resistant rating.

MARINE is a video door entry solution that resists the wet and corrosive climates and extreme temperatures of -40°C, +70°C.

#### 1.3 Mpx HD CAMERA

The camera provides a high definition image reverting in an excellent video quality. The camera is equipped with LED lighting for low-light conditions. Additional video output RTSP IP.

#### ADAPTED TO ALL

It includes a wide-angle camera with horizontal vision angle **128° and vertical 70°**. This facilitates the installation and use of the panel in the event of visitors in wheelchairs.

It is engraved with **Braille** which allows you to identify the call key via engraving on the panel surface.

#### SECURITY AS STANDARD\*

**Multiple possibilities of secure** access to the building:

Face recognition with cutting-edge technology. MIFARE technology Proximity Reader or Pin Code access, controlled by the panel or sent to an external controller that validates the access.

#### DISPLAY MODULE WITH DIRECTORY

Welcome logo or on-screen information useful for visitors. Thanks to the electronic directory you can search for any name or apartment that you wish to call.

\* For the configuration of proximity cards and facial recognition, it is required the residential management SW and the key ref.9540.

\*\*The IP rating of the Marine panel will be upgraded from IP54 to IP65 during 2025. Please check availability.

|                                       |                                        |
|---------------------------------------|----------------------------------------|
| <b>1455</b>                           | <b>MARINE DIGITAL VIDEO PANEL MEET</b> |
| 155x410x49mm.                         |                                        |
| <b>1456</b>                           | <b>MARINE DIRECTORY PANEL MEET</b>     |
| 155x410x49mm. Flush box not included. |                                        |
| <b>1459</b>                           | <b>MARINE PANEL FLUSH BOX MEET</b>     |
| 141x394x60mm.                         |                                        |

|                                       |                                            |
|---------------------------------------|--------------------------------------------|
| <b>1457</b>                           | <b>MARINE PANEL STEEL HOOD</b>             |
| <b>1458</b>                           | <b>MARINE PANEL SURFACE BOX STEEL MEET</b> |
| 159x412x63.5mm.                       |                                            |
| <b>14591</b>                          | <b>MEET FLUSH BOX JOINING BOLTS SET</b>    |
| Separation between flush boxes: 14mm. |                                            |



FERMAX has a laser-cut machining line for stainless steel panels. This process allows us to offer complete flexibility when it comes to making the MARINE panel required with optimal delivery time for the customised panel.

The MARINE ELITE panels are available in several colours (indicate the desired RAL when ordering your panel).

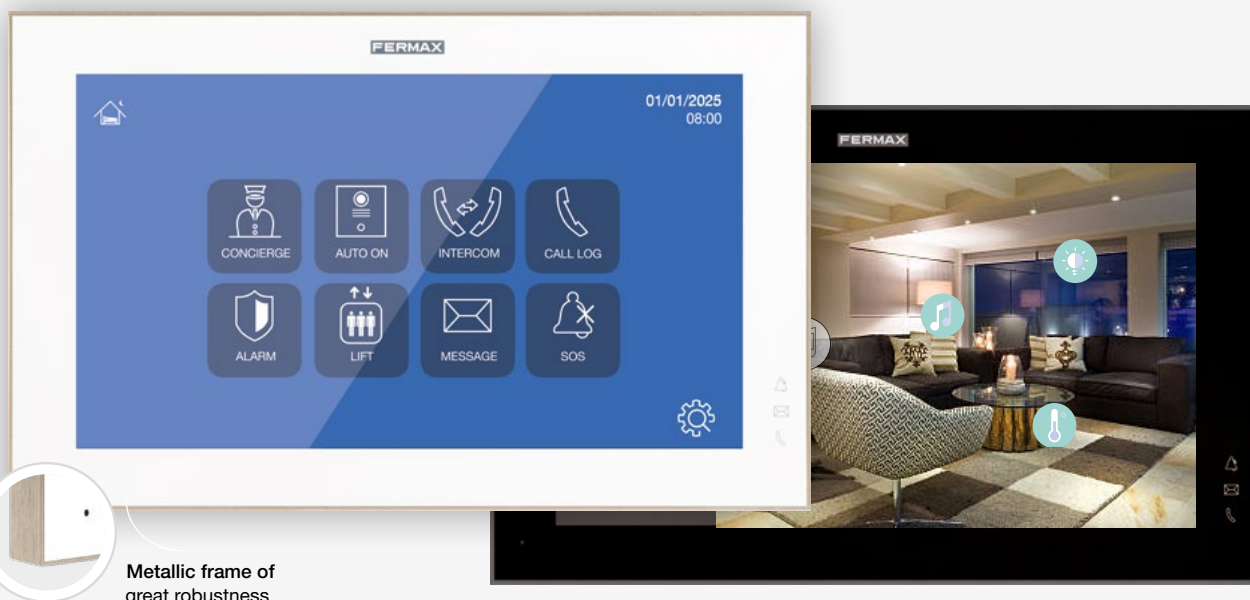
|                                                                                                                                      |                                |
|--------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| <b>31729</b>                                                                                                                         | <b>MEET MARINE ELITE PANEL</b> |
| The following variants are available on request:                                                                                     |                                |
| <ul style="list-style-type: none"> <li>• Panel with special dimensions.</li> <li>• Integration of access control modules.</li> </ul> |                                |
| Only in digital version.                                                                                                             |                                |

|             |                                             |
|-------------|---------------------------------------------|
| <b>4579</b> | <b>MARINE ELITE RAINHOOD</b>                |
| <b>4580</b> | <b>MARINE ELITE FLUSH BOX</b>               |
| <b>4581</b> | <b>MARINE ELITE SURFACE BOX (WITH HOOD)</b> |

wit



Call divert to mobile as standard



Metallic frame of great robustness

7" and 10" touch screen.

Available in black and white.

Android 10 operating system.

Apps installation.\*

Home automation integration.

Call divert to mobile.

CCTV IP cameras visualisation.

**WIT** allows the **home automation management screen to be always displayed** and becomes the control centre of the smart home. If a call is received from the video door entry system, a preview of the caller's video is automatically displayed. As soon as the call ends, the monitor returns to the main screen.

**Compatibility** with home automation systems and **third party solutions by uploading apps\*** on the monitor for the management of home automation systems, climate control, etc.

Users can also **answer video door entry calls from the mobile phone** thanks to the MEET ME call divert app, a service that comes as standard with the monitor at no extra cost.

|                                                |                                |
|------------------------------------------------|--------------------------------|
| 14721                                          | 7" WIT MONITOR PoE WHITE MEET  |
| 14723                                          | 7" WIT MONITOR PoE BLACK MEET  |
| 1 connector RJ-45. Dimensions: 212x132.5x20mm. |                                |
| 14831                                          | 10" WIT MONITOR PoE WHITE MEET |
| 14833                                          | 10" WIT MONITOR PoE BLACK MEET |
| 2 connectors RJ45. Dimensions: 270x168x20mm.   |                                |

\*The installation of APPs has to be done by an authorised professional. Apps must be compatible and certified by FERMATX.

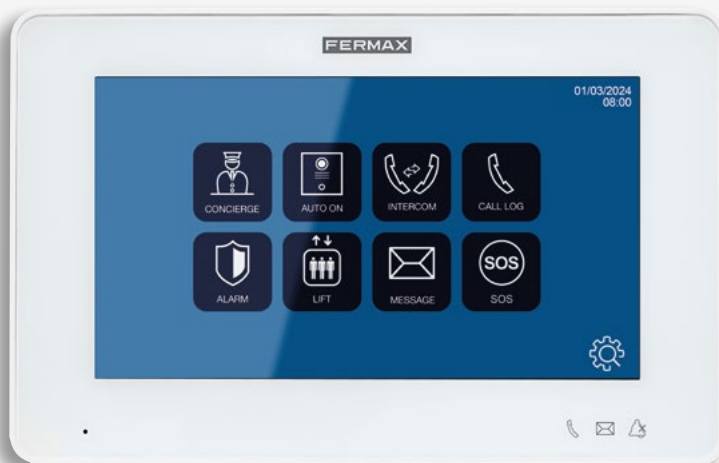
|                                                                                           |                                |
|-------------------------------------------------------------------------------------------|--------------------------------|
| 1489                                                                                      | 10" WIT MONITOR FLUSH BOX MEET |
| (95411 connector required). Dimensions: 255x155x50mm.                                     |                                |
| 95411                                                                                     | NEO/WIT MONITOR CONNECTOR MEET |
| Mounting support for the MIO/WIT monitor on the wall. Includes monitor connection cables. |                                |
| 1485                                                                                      | MONITOR DESKTOP SUPPORT MEET   |
| Compatible with the MEET monitors. Connector ref. 95411 is required for its installation. |                                |



neo



Call divert  
to mobile as  
standard



7" TFT capacitive touch screen.

Digital audio quality and high definition video.

Intercommunication between the monitors in the same house as well as with other apartments.

The monitor manages 7 alarm zones plus tamper that can be activated or deactivated according to 3 scenarios: DAY, NIGHT and OUT. Alarms are notified to the Guard Unit and management software.

It is possible to activate up to 8 external relays by using the relay module ref.1616.

**PoE Power Supply.**

The **NEO** Monitor is a symbol of modern urban residences represented by its compact and minimalistic design. Cool, elegant and intuitive, NEO is the perfect complement for your dreamed house.

An advanced management monitor, with hands-free communication, digital audio quality and high definition video. Its **7" TFT incorporates a capacitive touch screen** that offers a user-friendly experience by means of graphic icons and notification LEDs (missed calls, messages, do not disturb).

**NEO** is not only distinguished by its outer elegant simplicity, but also by the most user-friendly menu oriented to residential communication.



### 14501 NEO 7" MONITOR PoE WHITE MEET

Dimensions 203x129x17.5mm.

### 95411 NEO/WIT MONITOR CONNECTOR MEET

Mounting support for the NEO/WIT monitor on the wall. Includes monitor connection cables.

### 1485 MONITOR DESKTOP SUPPORT MEET

Compatible with the MEET monitors. Connector ref. 95411 is required for its installation.

NEO monitor does not allow installation of APPs.



### MAXIMUM INTEGRATION CAPACITY



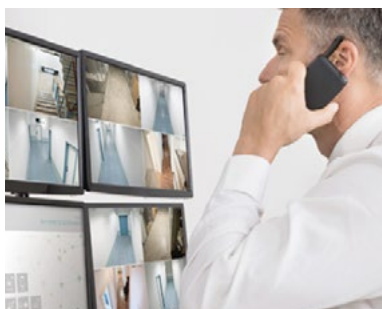
#### HOME AUTOMATION INTEGRATION WITH APPS

Home automation management from the WIT monitors – Compatibility with Android Apps.



#### SIP INTEGRATION

Integration with telephone systems, software video telephones or desktop telephones. SIP Compatibility.



#### SECURITY INTEGRATION

Compatibility with video surveillance and access control systems via RTSP and Wiegand protocols.

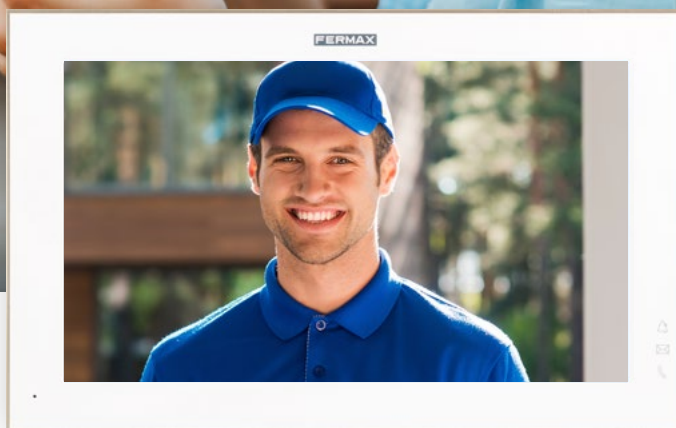


Meet allows integration with third party software via API to perform advanced functions. Please consult.

More info: [meet.fermax.com](http://meet.fermax.com)



Call divert  
to mobile  
as standard  
in MEET  
monitors



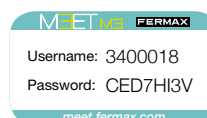
With **MEET**, you can receive calls on the mobile phone and visualise the visitor before answering. **It comes as a standard option with the monitor** and allows communication with the entrance panels and door opening. **You can see who is calling before answering.**

As easy for the user as downloading the **free MEET ME APP** on Google Play or the Apple Store. Just enter the user and password included in the monitor.

No additional devices are required in the installation. Just connect the MEET IP network to the Internet\*.

- MEET call panels and guard units address book.
- Up to 8 smartphones in the same apartment can receive the call simultaneously.
- Display of additional cameras during call (up to 4) (ref.9985).
- "Do not disturb" mode for app (no need to log out).
- Share access and manage guests.
- Direct door opening from the app.

\* Internet access with enough upload bandwidth is required depending on the network traffic generated by the outdoor panels.



### 1496 MEET ME CALL FORWARDING LICENCE

This licence comes included as standard with MEET monitors, so it is only necessary when there is no monitor in the house.

Ergonomically designed to provide comfortable use, the MEET Guard Unit integrates a large touch screen for intuitive interaction.

MEET guard unit is the desktop device that will enable a concierge to communicate with any panel or apartment.

Its **10" touch screen** enables the guard unit to receive alarms from monitors and panels. Thanks to its user interface it is possible to review any missed calls and communicate later with the apartment. PoE power supply.



Dimensions: 303 x 190 mm

### 95391 MEET GUARD UNIT

- Call **divert to MEET ME app**.
- Capacitive touch screen panel.
- **Handset or hands-free** audio communication.
- **10"** colour TFT touch screen.
- Audible and visual alarm notifications.
- **It can be integrated with CCTV IP camera** by RTSP (concierge camera) (ref.9985).
- Automatic answering function of panels.

#### CALL TO APARTMENT

The property management or concierge is able to contact any resident of the community using the guard unit's call to apartment function. The concierge must enter the block number and/or apartment number to call. If an IP camera is connected to the guard unit, a video communication between concierge and apartment is established, otherwise it is only audio communication.

#### CALL HISTORY

The concierge can have a clear view of their call history in the CALL LOG interface and browse through the pictures taken. Maximum number of call logs: 128.

The Guard Unit allows audio and video recording when the call from panel is not answered (additional SD card required).

#### GUARD TO GUARD CALL

Guards can call each other when needed.

To call a guard unit, the user must enter the guard unit's number.

#### ALARM LOG

The guard unit provides a quick view of the most recent alarm events. These records can be found at the ALARM LOG interface. Each record includes: date and time, apartment or panel number and triggered alarm zones. Maximum number of records: 450.

The administrator can access to a complete alarm record using the management software.

#### CAMERA ON

The guard unit can connect to any digital panel and open the video channel when needed by simply entering the panel's number. Once connected the guard can take pictures, open the audio channel, open the door or simply hang up.

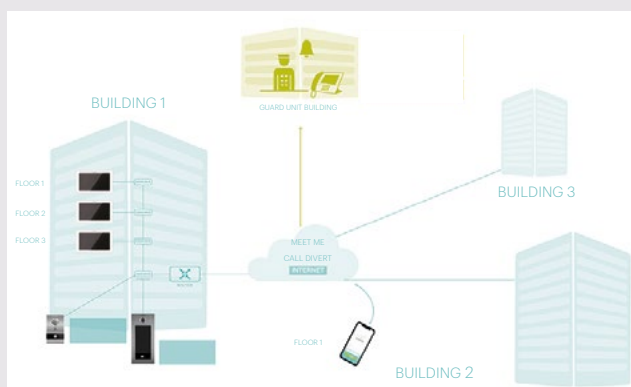


### GUARD UNIT FOR MULTIPLE APARTMENTS

Different outdoor panels from different buildings can call one or several remote guard units.

These remote guard units can call and connect with the outdoor panels.

It is only necessary to acquire one REF.1496 MEET ME LICENCE per guard unit for its use at the desk concierge. This licence allows the concierge to register on the MEET ME cloud server.



### COMPATIBILITY WITH SIP

#### ANSWER THE CALL FROM A PERSONAL COMPUTER

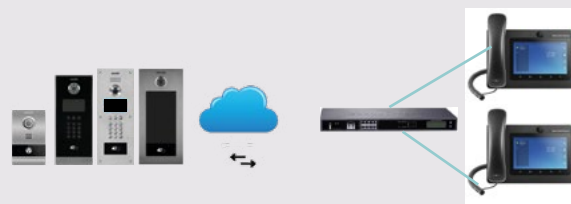
SIP compatibility allows receiving calls from the outdoor panels on a computer. For this, it is required to have a Voice over IP software, compatible with SIP, installed on a computer, such as LINPHONE. The integration with IVMS software for managing installations is also possible, which incorporates SIP clients such as GENETEC - Sipelia.



© Copyright Belledonne Communications

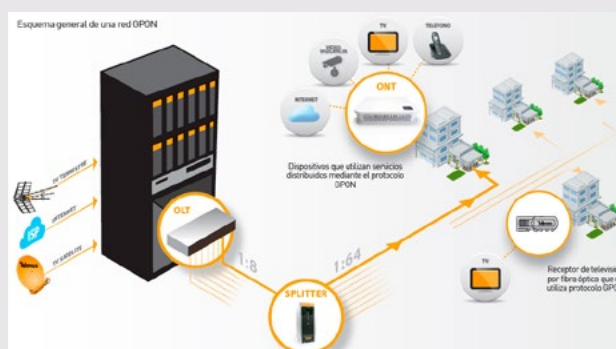
#### ANSWER THE CALL FROM A TELEPHONE SYSTEM

In the installations where an IP telephone system compatible with SIP already exists, such as in offices or shopping centres, it will be possible to answer the call from one of the telephones previously installed. Thanks to the SIP compatibility, the FERMAX outdoor panels will be an additional extension to the IP telephone central guard unit and calls from the panels will be received at the terminals assigned in the central guard unit.



### GPON OPTICAL FIBER

- Being a 100% IP system, there is no distance limit because it can be installed in fiber optic infrastructures such as GPON.
- The main advantage is that the cost of the network infrastructure is much lower than an Ethernet or conventional active fiber optic network.
- There can be numerous IP services on the same infrastructure such as IP TV, IP voice calls, IP CCTV, etc. As a result, the costs of the infrastructure are shared between several services.



7 ALARM + TAMPER  
DETECTION  
ZONES



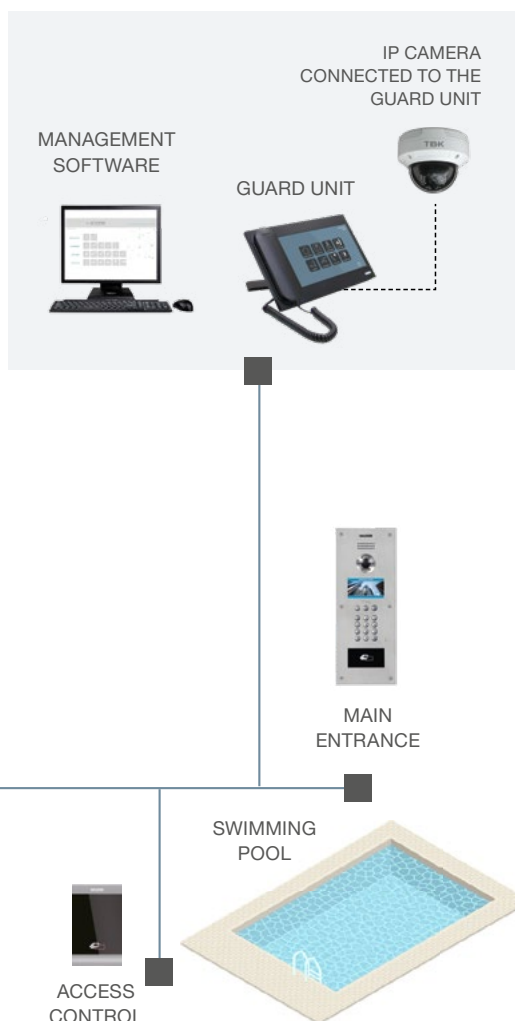
## TECHNICAL CAPABILITIES

- 1 Virtually unlimited number of units can run under MEET installation.
- 2 Unlimited distances from end to end of the installation.
- 3 Multichannel for conversations and data flows, with unlimited capacity.
- 4 GPON fiber optic infrastructure compatible.

### WIRING

- CAT5 CABLE
- FIBER OPTICS\*
- ALARM
- LIFT

\* A converter is required to switch from UTP to FO.



### MODERN PROTOCOL

Flexible, quick and adaptable. MEET is a highly efficient peer to peer IP protocol based system. Easy to install, configure and maintain. MEET system's flexible IP addressing eases the network management structure. Decentralised architecture communication structure allowing each terminal to work independently without a need of a centralised server. The system is compatible with GPON networks.

### COMPLETE SOLUTION

Communication, alarms, lift control and access control. MEET allows to communicate with the visitor and offer them a safe pass through doors. Its centralised alarm infrastructure provides a 24/7 protection against intrusion and the unexpected. Its complete lift control function allows you to see the lift's status clearly, there is no need to worry that you will miss the lift again.



|                                                                                                                                  |                                  |
|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| 52750                                                                                                                            | PROXIMITY CARD MIFARE            |
| 52740                                                                                                                            | PROXIMITY KEY FOB MIFARE         |
| 9538                                                                                                                             | MEET PC DESKTOP PROXIMITY READER |
| 9540                                                                                                                             | MEET MANAGEMENT SOFTWARE         |
| Registration and deactivation of proximity cards and facial recognition. Events registration. Sending messages to home monitors. |                                  |

|                                                                                                                         |                              |
|-------------------------------------------------------------------------------------------------------------------------|------------------------------|
| 9546                                                                                                                    | MEET WIEGAND DOOR CONTROLLER |
| 9545                                                                                                                    | MEET LIFT CONTROL GATEWAY    |
| 1616                                                                                                                    | 10 RELAY MODULE              |
| 1490                                                                                                                    | EXTERNAL DOORLOCK RELAY      |
| It allows the simultaneous activation of a second relay in parallel to the panel or as a secondary relay on 1/W panels. |                              |

|                          |                      |
|--------------------------|----------------------|
| 1491                     | 4 RELAY PANEL MODULE |
| Only for digital panels. |                      |

|                                                     |                   |
|-----------------------------------------------------|-------------------|
| 1494                                                | GUEST CODE MODULE |
| Third party access control integration is required. |                   |

## 7. Power supply and switcher



ref.4813



ref.1498



ref.1586



ref.1587

|                                                                                                                                                                                           |                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| 4813                                                                                                                                                                                      | POWER SUPPLY DIN6 100-240VAC/12VDC-2A |
| For non-PoE devices, 1 power supply is required for every 4 devices. It is recommended that each entrance panel and guard unit has its own power supply for the easy of the installation. |                                       |

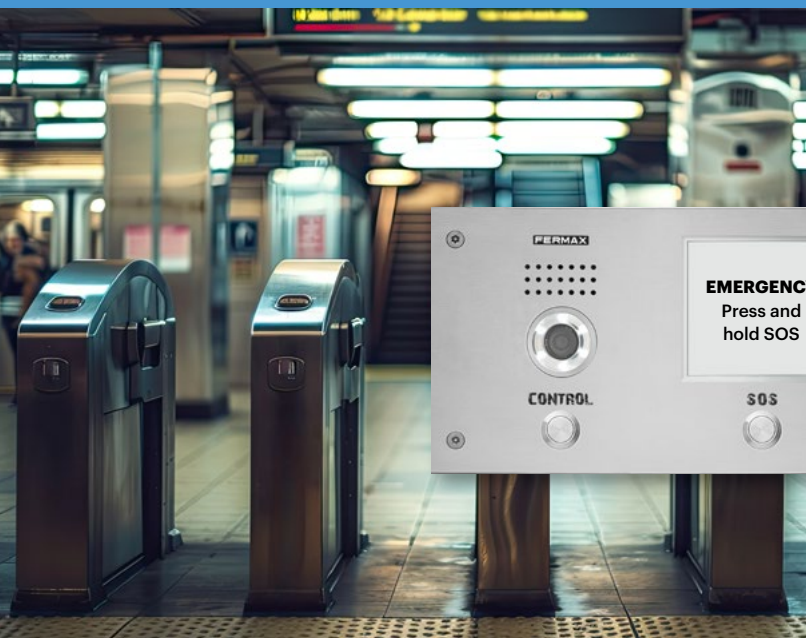
|      |                                     |
|------|-------------------------------------|
| 1586 | 4 PoE PORTS SWITCH + 2 UPLINK PORTS |
| 1587 | 8 PoE PORTS SWITCH + 2 UPLINK PORTS |
| 1498 | 12Vdc PoE SPLITTER                  |

# SIP Technology

## Marine SIP with IP technology, a leading solution in **integration** and **functionality**

The **MARINE SIP** panel represents a significant step forward in terms of codec and protocol configuration options, enabling **greater compatibility of the video door entry system with IP telephony manufacturers.**

### BUSINESS SECTOR solutions



Ref. 31722

#### Metro stations. Airports. **Petrol stations**



Call to local or remote control centre according to day/night schedules.



**Simultaneous registration on 2 SIP servers.**



**Long press:** call to 112-Emergencies.



Connection with NVR: **24h recording**



Saving call images on **SD card** or remote server.



Integration in **Public Address System.**

#### Nursing homes. Hospitals. **Penitentiary centres**



Call to control centre from the panel or beds.



Playback of a **reassuring message.**



**Acoustic and visual signalling.**



Connection of external loudspeaker/microphone.



Manual acceptance of incoming calls.



Ref. 1680





It works with other MEET products, FERMAX's 100% IP video door entry system, such as IP monitors and guard unit, making it the ideal choice for projects where security and communication in residential communities and the business sector are a priority.



Ref. 1676

## Accessible bathrooms

Call to control centre from the pull cord.

Playback of a **reassuring message**.

**Acoustic and visual signalling.**

OneToOne with built-in inductive loop\*.

\*Requires 24Vdc power supply for the loop power supply.  
Visual signalling does not require additional power supply.

## Area of refuge

Call to control centre.

Playback of a **reassuring message**.

**Acoustic and visual signalling.**

**Characteristic colour** for easy identification.



Ref. 1690

## RESIDENTIAL solutions

Integration of MEET devices and Marine SIP panels



Ref. 31722

### High-End Villas



Opening **2 doors** (main and service) via 2 different codes.



**Opening times** for service personnel.



Integration with **home automation**.

### Individual residences



Compatible with MEET terminals and MEET ME call divert\*.



**Plug&Play.** Minimal configuration.

MARINE SIP  
by FERMAX

**House entrance**

Ref. 1670

\*Call divert MEET ME licence ref.1496 not included.



MEET  
FEEL NO LIMITS FERMAX

**General entrance**

Ref. 1455



## Marine SIP panels

The **MARINE SIP** panel is available in **1 to 5 pushbutton** models, with a **high-quality 316L stainless steel finish. PoE powered**. It also offers various mounting options (flush or surface), depending on the needs and requirements of the specific installation. With a resistance against **external factors IP65** rating and an **impact resistance IK09** rating, it is particularly robust and has vandal-proof features as standard, which ensures safe and reliable operation.

### SERIE ST1 // Panel: 150x180mm



ref.1670  
CP101



ref.1671  
CP201



ref.1690  
CP101 (RAL 3020)



ref.1680  
AP101



ref.1681  
AP201

**4641** **MARINE ST1 FLUSH BOX**  
130x160x55mm

**4645** **MARINE ST1 SURFACE BOX**  
154x184x96mm

### SERIE ST2 // Panel: 150x240mm



ref.1672  
CP102



ref.1673  
CP103



ref.1674  
CP202



ref.1682  
AP102



ref.1683  
AP103



ref.1684  
AP202



ref.1676  
CVP101



ref.1677  
CVP201



ref.1686  
AVP101



ref.1687  
AVP201

**4642** **MARINE ST2 FLUSH BOX**  
130x220x55mm

**4646** **MARINE ST2 SURFACE BOX**  
154x244x96mm

### SERIE ST3 // Panel: 150x360mm



ref.1675  
CP105



ref.1678  
CVP103



ref.1685  
AP105



ref.1688  
AVP103

**4643** **MARINE ST3 FLUSH BOX**  
130x340x55mm

**4647** **MARINE ST3 SURFACE BOX**  
154x364x96mm

**1667** **10 MARINE SIP PANEL P2-P3 CABLES**

**4813** **P.S.U. DIN6 100-240VAC/12VDC-2A**

**4840** **P.S.U. DIN-6 100-240VAC/24VDC-2A**

**67501** **UNIVERSAL LOCK RELEASE 990N-P22 10-24V MAX**

**67524** **UNIVERSAL LOCK RELEASE 990A-S 12-24V MAX**



## MARINE ELITE SIP panel



**PROELITE**  
The wizard to  
create your  
Marine Elite panels.



### 31722 MARINE ELITE SIP PANEL



- Panel with special colour, format, arrangement of elements and dimensions. Minimum width 150mm.
- **Laser logo and text marking.** The engraving of the panels is only available on steel-coloured panels. Other colours cannot be engraved.
- Pushbuttons -0 to 5- without cardholder and free arrangement.
- Integration of access control modules (up to 2) and special combinations with amplifier, pushbuttons and other accessories such as **information window**, or L-window with rear support for the integration of third-party proximity readers (max. reader size 104x45x18mm).



COMMUNICATION

ACCESSIBILITY  
Optional

PUSHBUTTONS  
Up to 5

ACCESS CONTROL  
Optional

Audio + Video



Audio



OneToOne and Inductive Loop



The inductive loop requires  
24Vdc power supply

With cardholder



Without cardholder



Memokey keypad



DESFIRE or EM proximity reader

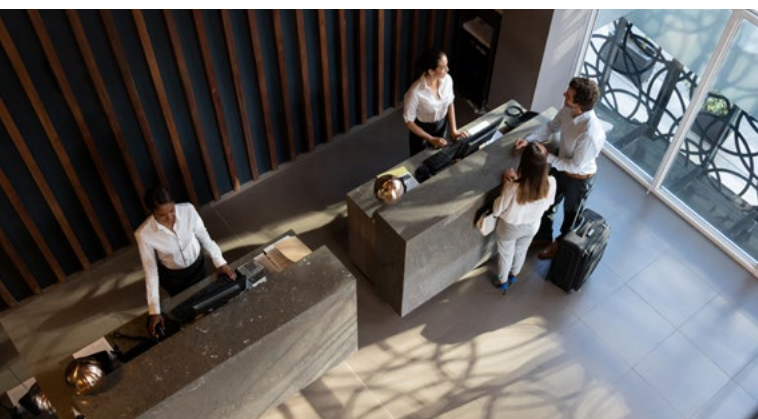


**NOTE:** Proximity reader/keypad: integrated in the front of the SIP panel, but without communication with it. Its inputs and/or outputs can be wired to the SIP panel to perform additional functions. Additional power supply required. Wiegand output for integration with FERMAT AC-MAX or third-party systems.





## MARINE SIP WITH IP TECHNOLOGY, A LEADING SOLUTION IN INTEGRATION AND FUNCTIONALITY



The **MARINE SIP** panel is an advanced and versatile solution that has been designed for the integration of the video door entry system with IP telephony systems.

Possibility to set sequential call jumps with configurable time.

Selecting the destination of different calls according to the time (no need for SIP server).

Sending HTTP commands for the activation of home automation scenarios.

Sending RTSP video stream to CCTV recorders or home automation screens with up to 3 simultaneous connections.

Registration on SIP servers.

The panel also has connectivity thanks to its compatibility with the MEET ME application, the call divert service from video intercom to mobile phone, providing greater flexibility and control over communications.

Call divert MEET ME licence ref.1496 not included.





4+N





Analogue door  
entry system



# 4+N Technology

The analogue system uses 4 common wires for the entire installation plus 1 call (or call return) wire per home (4+N). N is the number of homes.

- It is recommended in small/medium-sized buildings, 7 accesses maximum.
- The AMPLIFIER includes volume potentiometer, both outdoor panel-monitor and monitor-outdoor panel, to adjust the optimal volume.
- It is the most cost-effective and basic solution.

|                                                 |                                             |
|-------------------------------------------------|---------------------------------------------|
| <b>Wiring</b>                                   | 4+N                                         |
| <b>Number max. of homes</b>                     | Unlimited. As much as call wires            |
| <b>Number max. of outdoor panels</b>            | 7                                           |
| <b>Central Unit</b>                             | No                                          |
| <b>Maximum distance</b>                         | Limited. Depends on cable type              |
| <b>Communication privacy outdoor panel-home</b> | No                                          |
| <b>Indoor terminal programming</b>              | Programming of indoor terminal not required |
| <b>Voice message in amplifier</b>               | Only in building amplifiers                 |
| <b>Colour camera</b>                            | No. Only audio.                             |

Available **two models** of amplifiers:

- A) **Kit or Basic Amplifier.**  
 B) **Building or Complete Amplifier.**

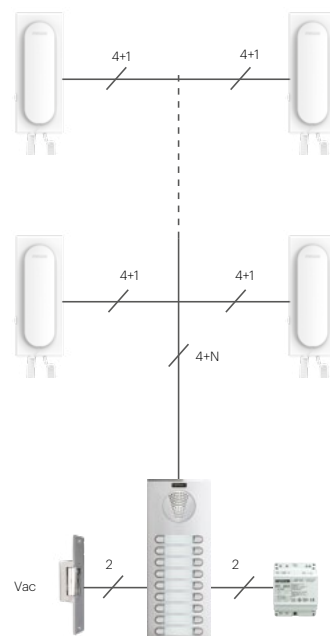
**The Basic or Kit model** includes:

- 1) Electronic call with standard FERMAX ring tone.
- 2) Illumination connection for pushbuttons and cardholders.
- 3) 4+N terminal strip.
- 4) Potential-free relay for door release connection.
- 5) Audio control on the panel and in the home.

**The Complete model**, in addition to the functions in the Basic model, includes:

- 1) Possibility of selecting the type of call (electronic or buzzer).
- 2) Possibility of selecting type of installation: FERMAX (parted grounds) or Universal (common ground).
- 3) Voice synthesiser with the message 'The door is open' up to 32 languages.
- 4) Connector for outdoor panels in MDS system.
- 5) Second call tone (Cp2).
- 6) Possibility to connect the One-to-One module (ref.7448) for people with hearing impairment. The One-to-One module with induction loop (ref.7452) is not compatible with the 4+N system.
- 7) In CITYLINE panels, the cardholder lighting is always activated as standard.

In CLASSIC panels, the Complete or Building model, the cardholder is as default without lighting, but the amplifier has a pushbutton which illuminates the cardholders while the button is pressed.





## 1. Outdoor panel



SKYLINE consists of **9 different-sized frames** where different modules can easily be fitted. Modules come in 2 sizes, designated V and W. W modules is twice the size of V.

### FRAMES



### AUDIO



**ref.7400**  
Complete W\*

**ref.7399**  
Basic W

### DOUBLE PUSHBUTTONS



**ref.7369**  
8 Push. 2x4 W

**ref.7370**  
4 Push. 2x2 V

**ref.7374**  
2 Push. 2x1 V

### SINGLE PUSHBUTTONS



**ref.7365**  
4 Push. 1x4 W

**ref.7366**  
2 Push. 1x2 V

**ref.7373**  
1 Push. 1x1 V

### INFORMATIVE MODULES



**ref.7445**  
Cardholder W

**ref.7444**  
Cardholder V

**ref.7448**  
OneToOne V

### STAND-ALONE ACCESS CONTROL



**ref.7438**  
Direct  
Keypad W

**ref.7463**  
**DESFIRE**

**ref.7440**  
**EM**  
Proximity reader V\*

\*See references for compatible identifiers on page 113.

### ACCESSORIES



**ref.7443**  
Metallic complement W

**ref.7442**  
Metallic complement V

### See accessories page 47.

If the configuration requires more than one panel, you will need a connection cable ref.2540 between the panels (1 cable for each additional panel). The flush-mounted boxes must be joined laterally with a set of flush-mounted joining bolts (ref.8829). Select the flush box corresponding to the panel series.

### Ref.2540 SKYLINE 4+N 3H CONNECTION CABLE

\*Note: Read more about the Complete amplifier functions on the page 90.



## cityline by FERMAX

CITYLINE is a monoblock concept panel. It is characterised by its curved profile and distinctive pushbuttons.

There are 9 different panel dimensions called "SERIES", all with the same width but different height and pushbutton capacities.

It is manufactured in a highly weather resistant anodised aluminium profile (IP43 IK7). The pushbuttons and displays are chromed zamak, the amplifier frontal in aluminium and the interior is protected by a stainless steel grid.

The watertight pushbuttons are designed and tested in the most demanding conditions to achieve great durability and reliability.

### PUSHBUTTON CITYLINE PANELS

Select the panel according to the number of apartments. In case that several flush boxes of the same size are combined, it will be necessary to use the Joining Bolts Set (ref.8829).

#### SERIES 1 // Panel: 130x128

Flush box (ref.8851): 115x114x45



ref.70701  
1 Push.



ref.70001  
2 Push.

#### SERIES 4 // Panel: 130x199

Flush box (ref.8854): 115x185x45



ref.70731  
3 Push.



ref.70741  
4 Push.



ref.70031  
6 Push.



ref.70041  
8 Push.

#### SERIES 5 // Panel: 130x246

Flush box (ref.8855): 115x233x45



ref.70121  
10 Push.



ref.70131  
12 Push.

#### SERIES 6 // Panel: 130x294

Flush box (ref.8856): 115x280x45



ref.70221  
14 Push.



ref.70231  
16 Push.

#### SERIES 7 // Panel: 130x341

Flush box (ref.8857): 115x328x45



ref.70321  
18 Push.



ref.70331  
20 Push.

#### SERIES 8 // Panel: 130x389

Flush box (ref.8858): 115x375x45



ref.71141  
22 Push.



ref.71151  
24 Push.



## Cityline Classic

Cityline Classic is the range of audio door entry panels for small buildings. It stands out for its design, versatility and curved-convex profile. There are 9 continuous profile series, all of them the same width but with different heights and button capacities.

- The **PANELS** are made of highly weather-resistant anodised aluminium. A cellular rubber waterproof seal, ensures perfect fitting of the panel in the wall, preventing water from getting in.
- The metal **PUSHBUTTONS** have a rounded shape, to keep with the curved profile of the panel. They can be double or single. The amplifier emits a confirmation sound when the button is pressed.
- The **AMPLIFIER** is manufactured in SMD (Surface Mounting Device) and subject to a process of tropicalisation to withstand the most adverse weather conditions. It has: front button for lighting of card-holders, volume controls in both directions for optimum sound level free from feedback, call confirmation sound, voice synthesiser in different languages, etc.

**NOTE:** These panels include the Complete or Building amplifier. (See page 90 to find out the differences compared to the Basic or Kit amplifier).

### SERIES 1 // Panel: 130x128

Flush box (ref.8851): 115x114x45



ref.8500  
1 Push.



ref.8501  
2 Push.

### SERIES 4 // Panel: 130x199

Flush box (ref.8854): 115x185x45



ref.8592  
3 Push.



ref.8593  
4 Push.



ref.8590  
6 Push.



ref.8591  
8 Push.

### SERIES 5 // Panel: 130x246

Flush box. (ref.8855): 115x233x45



ref.8620  
10 Push.



ref.8621  
12 Push.

### SERIES 6 // Panel: 130x294

Flush box (ref.8856): 115x280x45



ref.8660  
14 Push.



ref.8661  
16 Push.

### SERIES 7 // Panel: 130x341

Flush box (ref.8857): 115x328x45



ref.8700  
18 Push.



ref.8701  
20 Push.

### SERIES 8 // Panel: 130x389

Flush box (ref.8858): 115x375x45



ref.8740  
22 Push.



ref.8741  
24 Push.

## SKYLINE/CITYLINE/CITYLINE CLASSIC Panel accessories

If several flush-mount panels from the same series are combined, they can be joined laterally with a joining bolts set (ref.8829).

Select the flush box corresponding to the series of the panel.

|     | FLUSH BOX                | CLASSIC SURFACE BOX      | SURFACE BOX              | HOOD SIMPLE           | CITY FRAME SIMPLE   |
|-----|--------------------------|--------------------------|--------------------------|-----------------------|---------------------|
| S1  | ref.8851<br>115x114x45   | ref.8951<br>130x128x33   | ref.7061<br>130x128x33   | ref.8400<br>135x130   | ref.8251<br>225x310 |
| S2  | ref.8852<br>115x138x45   | ref.8952<br>130x151x33   | ref.7062<br>130x151x33   | ref.8401<br>135x155   | ref.8252<br>225x310 |
| S3  | ref.8853<br>115x162x45   | ref.8953<br>130x175x33   | ref.7063<br>130x175x33   | ref.8402<br>135x177,5 | ref.8253<br>225x375 |
| S4  | ref.8854<br>115x185x45   | ref.8954<br>130x199x33   | ref.7064<br>130x199x33   | ref.8403<br>135x203   | ref.8254<br>225x375 |
| S5  | ref.8855<br>115x233x45   | ref.8955<br>130x246x33   | ref.7065<br>130x246x33   | ref.8404<br>135x250   | ref.8255<br>225x375 |
| S6  | ref.8856<br>115x280x45   | ref.8956<br>130x294x33   | ref.7066<br>130x294x33   | ref.8405<br>135x300   | ref.8256<br>225x450 |
| S7  | ref.8857<br>115x328x45   | ref.8957<br>130x341x33   | ref.7067<br>130x341x33   | ref.8406<br>135x345   | ref.8257<br>225x450 |
| S8  | ref.8858<br>115x375x45   | ref.8958<br>130x389x33   | ref.7068<br>130x389x33   | ref.8407<br>135x393   | ref.8258<br>225x450 |
| S9  | ref.8982<br>115x420,5x45 | ref.8984<br>130x436,5x33 | ref.7069<br>130x436,5x33 | ref.8480<br>135x440,5 | ref.8259<br>225x495 |
| S10 | ref.8983<br>115x471x45   | -                        | ref.7081<br>130x486x33   | ref.8481<br>135x488   | ref.8264<br>225x543 |

## 2. Telephones



VEO



EXTRA

**3426 VEO 4+N TELEPHONE**

**3431 UNIVERSAL VEO TELEPHONE**

Dimensions VEO: 82x214x43mm

**3394 EXTRA LOFT 4+N TELEPHONE**

Dimensions: 85x220x40mm

**80447 BASIC CITYMAX TELEPHONE WHITE**

Dimensions: 85x220x40mm



ref.3749



ref.3389



ref.3388



**3749 VEO/LOFT TELEPHONE DESKTOP SUPPORT**

**3388 UNIVERSAL DECORATIVE FRAME. 120x240**

**3389 UNIVERSAL LARGE DECORATIVE FRAME. 210x240**

**3441 LOFT HANDSET WITH INDUCTIVE LOOP**



**3443 VEO HANDSET WITH INDUCTIVE LOOP**



## 3. Distributors/switchers



ref.8811

|       |                                  |
|-------|----------------------------------|
| 88231 | POWER SUPPLY/VOLTAGE DISTRIBUTOR |
| 8811  | AUDIO AUTOMATIC SWITCHER         |
| 8819  | 1/W AUDIO AUTOMATIC SWITCHER     |

## 4. Power supply



ref.4802

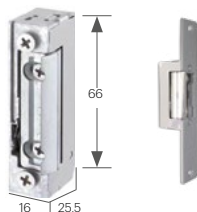


ref.4800

### FOR AUDIO INSTALLATION

|      |                                     |
|------|-------------------------------------|
| 4802 | POWER SUPPLY DIN4 230VAC/12VAC-1A   |
| 4800 | POWER SUPPLY DIN4 230VAC/12VAC-1,5A |

## 5. Door lock releases



|       |                               |
|-------|-------------------------------|
| 67501 | LOCK RELEASE 990N-P22 MAX     |
| 30711 | LOCK RELEASE 540N-S MAX       |
| 1821  | LOCK RELEASE 540AB-S MAX      |
| 67524 | UNIV. LOCK RELEASE 990A-S MAX |

## 6. Accessories



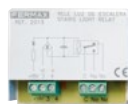
ref.2040



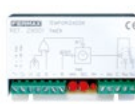
ref.8053



ref.2340



ref.2013



ref.29001

### CALL ACCESSORIES

|      |                                   |
|------|-----------------------------------|
| 2040 | ELECTRONIC CALL EXTENSION BELL    |
| 2068 | BUZZER EXTENSION CALL             |
| 8053 | 4+N/MDS LIGHT OR BUZZER COMMANDER |
| 2340 | 4+N/MDS CALL MULTIPLIER           |

### ADDITIONAL FUNCTIONS

|       |                            |
|-------|----------------------------|
| 2013  | ADDITIONAL FUNCTIONS RELAY |
| 88101 | DOUBLE CONTACT RELAY 18Vdc |
| 29001 | TIMER                      |



# Lock release



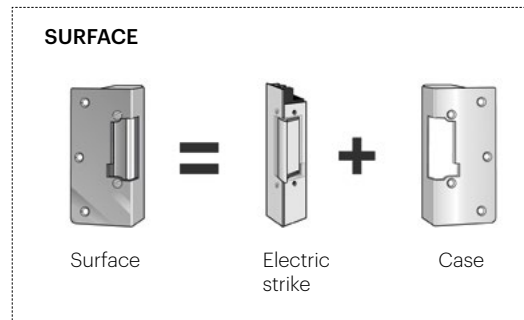
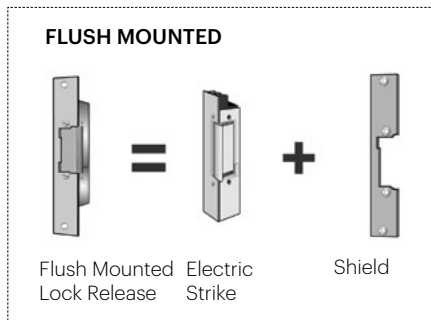
## Solutions for accesses

Flush mounted and surface

# Lock release

FLUSH MOUNTED. SURFACE

An electric door lock release basically consists of an electrical strike and a shield or case, depending on the installation system (flush mounted or surface).



## Operation modes

**NORMAL OPERATION N**

Allows door opening while the lock is powered.

|       |                   |
|-------|-------------------|
| N     | 12 Vac activation |
| N-412 | 12 Vdc activation |
| N-424 | 24 Vdc activation |

**INVERTED OPERATION N-500**

Allows door opening while power to the lock release is off.

|       |                   |
|-------|-------------------|
| N-512 | 12 Vdc activation |
| N-524 | 24 Vdc activation |

**AUTOMATIC OPERATION A**

**Ab (Sliding automatic) and Aa (Invisible automatic)**

Enables door opening with a short electric pulse. The lock release is automatically blocked when the door is closed again.

**A Automatic operation.**

|       |                   |
|-------|-------------------|
| A     | 12 Vac activation |
| A-412 | 12 Vdc activation |
| A-424 | 24 Vdc activation |

**Ab Sliding automatic operation.**

Lets you slide the automatic function with the MAX latch setting.

|        |                   |
|--------|-------------------|
| Ab     | 12 Vac activation |
| Ab-412 | 12 Vdc activation |

**Aa Invisible automatic operation.**

The automatic pin is suppressed to allow an easier fit to the mechanical lock. A very short electrical pulse is recommended.

|        |                   |
|--------|-------------------|
| Aa     | 12 Vac activation |
| Aa-412 | 12 Vdc activation |

**ADDITIONAL OPERATION**

**- Unlocking lever - D**

The lock release with D in its description indicates the addition of a manual release lever which inhibits its function, which inhibits its operation, allowing free access.

ND Normal operation with release.  
AD Automatic operation with release.

**- Built-in microswitch - CTC.**

Allows monitoring of door status (open/closed). Suitable for security systems.

**- Adjustable latch bolt-MAX**

Allows a perfect fit between latch and bolt in the lock, with a 4mm margin. To order a MAX lock release, please add an 8 to the end of the reference of the compatible lock.

Dimensions: (width) x (height) x (depth) mm.

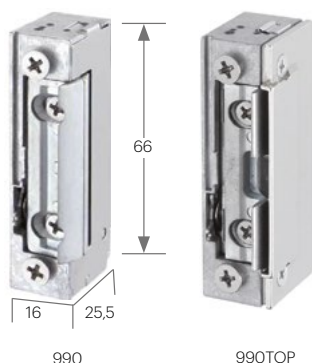


## 1. Flush mounted door lock release

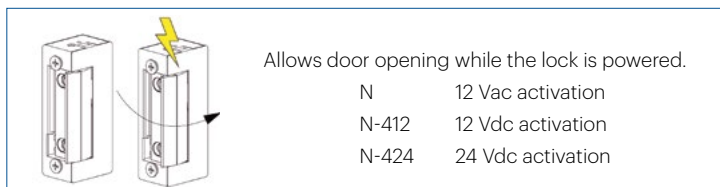
### NORMAL N Operation

#### 990 SERIES

Universal



| 990 Series Consumption |                                                          |
|------------------------|----------------------------------------------------------|
| N                      | 12Vac: 250mA; 12Vdc: 250mA<br>24Vac: 500mA; 24Vdc: 560mA |
| N-512                  | 12Vdc: 175mA                                             |
| MAX                    | +2mm                                                     |



#### UNIVERSAL 10-24VAC/DC

|       |                                                     |
|-------|-----------------------------------------------------|
| 67501 | UNIV. LOCK RELEASE 990N-P22 MAX (short shield P22)  |
| 67511 | UNIV. LOCK RELEASE 990ND-P22 MAX (short shield P22) |
| 6750  | ELECTRIC STRIKE 990N MAX                            |
| 1813  | ELECTRIC STRIKE 990ND MAX                           |
| 1814  | ELECTRIC STRIKE 990ND TOPMAX                        |
| 67500 | ELECTRIC STRIKE 990N CTC MAX                        |
| 1817  | UNIV. LOCK RELEASE 990N-L22 MAX (large shield L22)  |

#### STANDARD 12VAC

|       |                                           |
|-------|-------------------------------------------|
| 30711 | LOCK RELEASE 540N-S MAX (short shield S)  |
| 28341 | LOCK RELEASE 540ND-S MAX (short shield S) |
| 1777  | ELECTRIC STRIKE 540N MAX                  |
| 1799  | ELECTRIC STRIKE 540ND MAX                 |

#### STANDARD 12VDC

|       |                                               |
|-------|-----------------------------------------------|
| 30701 | LOCK RELEASE 540N-412-S MAX (short shield S)  |
| 30591 | LOCK RELEASE 540ND-412-S MAX (short shield S) |
| 1782  | ELECTRIC STRIKE 540ND-412 MAX                 |

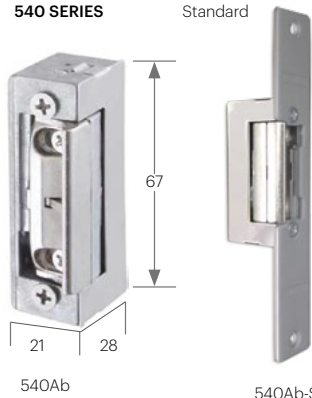
#### BASIC

|       |                                              |
|-------|----------------------------------------------|
| 29588 | LOCK RELEASE 300N-412-S MAX (short shield S) |
|-------|----------------------------------------------|

**NOTE:** The electric strike requires a S short shield (ref.2973) or M large (ref.2893).  
For 990 series, it's recommended a P22 short (ref.2894) shield.

#### 540 SERIES

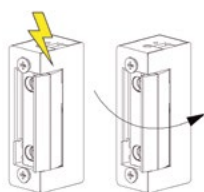
Standard



| 540 Series Consumption |       |
|------------------------|-------|
| N,A                    | 560mA |
| N-412                  | 250mA |
| N-512                  | 200mA |
| A-424                  | 180mA |
| MAX                    | +3mm  |

| 300 Series Consumption |       |
|------------------------|-------|
| N-412                  | 180mA |
| MAX                    | +4mm  |

### INVERTIDO N-500 Operation



Allows door opening while power to the lock release is off.

|       |                   |
|-------|-------------------|
| N-512 | 12 Vdc activation |
| N-524 | 24 Vdc activation |

#### UNIVERSAL 12VDC

|       |                                  |
|-------|----------------------------------|
| 6780  | ELECTRIC STRIKE 990N-512 MAX     |
| 67800 | ELECTRIC STRIKE 990N-512 CTC MAX |

#### STANDARD 12VDC

|       |                                              |
|-------|----------------------------------------------|
| 64801 | LOCK RELEASE 540N-512-S MAX (short shield S) |
| 1794  | ELECTRIC STRIKE 540N-512 MAX                 |

**NOTE:** D-Unlocking lever, CTC-Built-in microswitch, MAX-Adjustable latch bolt, P22-Short shield 22mm wide, S-Short shield 25mm wide, L22-Large shield 22mm wide.

## AUTOMATIC Operation A

### Ab (Sliding automatic) and Aa (Invisible automatic)

Enables door opening with a short electric pulse. The lock release is automatically blocked when the door is closed again.



#### A Automatic operation.

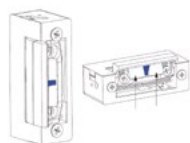
|       |                   |
|-------|-------------------|
| A     | 12 Vac activation |
| A-412 | 12 Vdc activation |
| A-424 | 24 Vdc activation |



#### Aa Invisible automatic operation.

The automatic pin is suppressed to allow an easier fit to the mechanical lock. A very short electrical pulse is recommended.

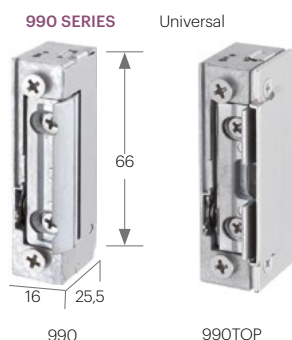
|        |                   |
|--------|-------------------|
| Aa     | 12 Vac activation |
| Aa-412 | 12 Vdc activation |



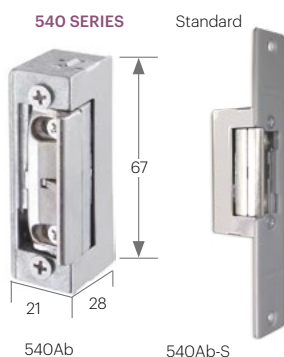
#### Ab Sliding automatic operation.

Lets you slide the automatic function with the MAX latch setting.

|        |                   |
|--------|-------------------|
| Ab     | 12 Vac activation |
| Ab-412 | 12 Vdc activation |



| 990 Series Consumption |                                                          |
|------------------------|----------------------------------------------------------|
| N                      | 12Vac: 250mA; 12Vdc: 250mA<br>24Vac: 500mA; 24Vdc: 560mA |
| N-512                  | 12Vdc: 175mA                                             |
| MAX                    | +2mm                                                     |



| 540 Series Consumption |       |
|------------------------|-------|
| N,A                    | 560mA |
| N-412                  | 250mA |
| N-512                  | 200mA |
| A-424                  | 180mA |
| MAX                    | +3mm  |

### UNIVERSAL 12-24 VAC/DC

|       |                                                            |
|-------|------------------------------------------------------------|
| 67521 | LOCK RELEASE 990A-P22 (short shield P22)                   |
| 67524 | LOCK RELEASE 990A-S MAX (short shield S)                   |
| 1824  | LOCK RELEASE 990Ab-P22 MAX (short shield P22)              |
| 1823  | LOCK RELEASE 990Ab-L22 MAX (large shield L22)              |
| 67531 | LOCK RELEASE 990AD-P22 MAX (short shield P22+unlock.lever) |
| 67532 | LOCK RELEASE 990AD-L22 MAX (large shield P22+unlock.lever) |
| 6752  | ELECTRIC STRIKE 990A MAX                                   |
| 6753  | ELECTRIC STRIKE 990AD MAX (unlocking lever)                |

### STANDARD

|       |                                                         |
|-------|---------------------------------------------------------|
| 30691 | LOCK RELEASE 540A-S MAX (short shield S)                |
| 28201 | LOCK RELEASE 540AD-S MAX (short shield S+unlock.lever)  |
| 1821  | LOCK RELEASE 540Ab-S MAX (short shield S)               |
| 28151 | LOCK RELEASE 540Aa-S MAX (short shield S)               |
| 64551 | LOCK RELEASE 540AbD-S MAX (short shield S+unlock.lever) |
| 1812  | ELECTRIC STRIKE 540Ab MAX                               |
| 1780  | ELECTRIC STRIKE 540Aa MAX                               |
| 1811  | ELECTRIC STRIKE 540AbD MAX (unlocking lever)            |
| 1781  | ELECTRIC STRIKE 540AaD MAX (unlocking lever)            |

### STANDARD 12 VDC

|      |                                                  |
|------|--------------------------------------------------|
| 1820 | LOCK RELEASE 540Ab-412-S MAX                     |
| 1810 | ELECTRIC STRIKE 540Ab-412 MAX                    |
| 1728 | ELECTRIC STRIKE 540Aa-412 MAX                    |
| 1727 | ELECTRIC STRIKE 540AaD-412 MAX (unlocking lever) |

**NOTE:** D-Unlocking lever, CTC-Built-in microswitch, MAX-Adjustable latch bolt, P22-Short shield 22mm wide, S-Short shield 25mm wide, L22-Large shield 22mm wide.

2. Surface door lock release

NORMAL N Operation

2001 SERIES



ref.2923

2003 SERIES



ref.2940

|                         |       |       |
|-------------------------|-------|-------|
| 2000 Series consumption |       |       |
| N                       | 12Vac | 980mA |

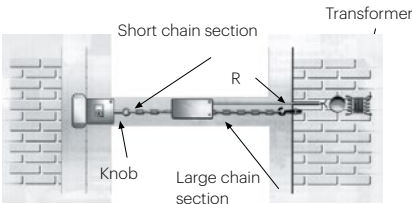
WITHOUT DEADBOLT ENTRY 12 VAC

|      |                                           |
|------|-------------------------------------------|
| 2923 | LOCK RELEASE N-2001 CHROME                |
| 2940 | LOCK RELEASE N-2003 ANODIZED ALUM.        |
| 2984 | LOCK RELEASE 8000N WITH CHAIN             |
| 3064 | LOCK RELEASE PN (PANIC BAR)               |
| 2879 | ELECT. RIM LOCK 962-DOUBLE KEY+PUSHBUTTON |

WITH DEADBOLT ENTRY 12 VAC

|      |                         |
|------|-------------------------|
| 3004 | LOCK RELEASE 6000N GREY |
|------|-------------------------|

8000 SERIES (with chain) ref.2984



|                         |       |       |
|-------------------------|-------|-------|
| 8000 Series consumption |       |       |
| N                       | 12Vac | 980mA |

P SERIES (anti-panic) ref.3064



|                      |       |       |
|----------------------|-------|-------|
| P Series consumption |       |       |
| N                    | 12Vac | 980mA |

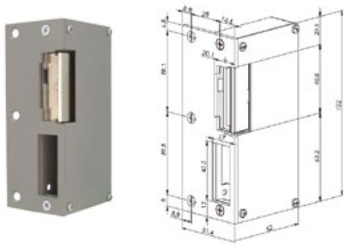
962 SERIES ref.2879



|                        |       |       |
|------------------------|-------|-------|
| 962 Series consumption |       |       |
| N                      | 12Vac | 850mA |
| N                      | 12Vdc | 1.7A  |
| 15W / 18W              |       |       |

AUTOMATIC Operation A

6000 SERIES



|                         |       |       |
|-------------------------|-------|-------|
| 6000 Series consumption |       |       |
| N.A                     | 12Vac | 980mA |

6000A DIN left

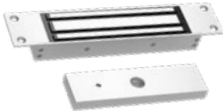
WITH DEADBOLT ENTRY 12 VAC

|      |                          |
|------|--------------------------|
| 3005 | LOCK RELEASE 6000A GREY  |
| 3006 | LOCK RELEASE 6000AD GREY |

## 3. Special door lock release

### INVERTED Operation N-500

#### ELECTROMAGNETICS



ref.30504



ref.30505

| Current consumption Electromagnetic locks |       |
|-------------------------------------------|-------|
| 12Vcc                                     | 400mA |
| 24Vcc                                     | 200mA |



ref.30506



ref.30507



ref.30508



ref.1699

#### 30504 ELECTROMAGNETIC LOCK FLUSH-MOUNTED 280KG

Electromagnetic lock release, flush mounted, with CTC microswitch and new LED signalling to know the door status. Automatic detection of 12/24Vdc operation.

#### 30505 ELECTROMAGNE. LOCK SURFACE-MOUNTED 280KG

Electromagnetic lock release, surface mounted, with CTC microswitch and new LED signalling to know the door status. Automatic detection of 12/24Vdc operation.

#### 30506 BRACKE TL3

#### 30507 BRACKET DOUBLE Z

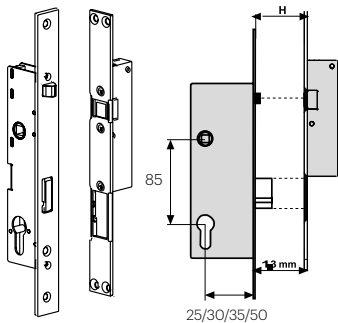
#### 30508 U BRACKET FOR GLASS DOOR

#### 1699 ELECTRIC BOLT MOD.700N-512/524 (V7-FSA)

Electropiston with inverted operation, ideal for security, banks and access control installations.

### AUTOMATIC Operation 12Vac

#### 850 SERIES



ref.3101 / ref.3102

| 850 Series consumption |         |
|------------------------|---------|
| 12Vdc                  | 1.350mA |
| 12Vac                  | 990mA   |

#### 3101 SEG.850/50 A AUTOMATIC LOCK

#### 3102 SEG.850/25 A AUTOMATIC LOCK

When the door is closed, the bolt is passed automatically with no need for keys.

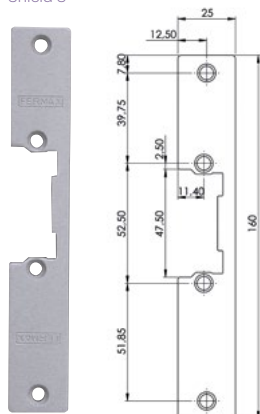


## Lock release

SPECIAL

## ACCESSORIES

Shield S

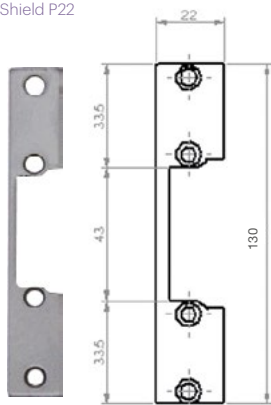


ref.2973

2987

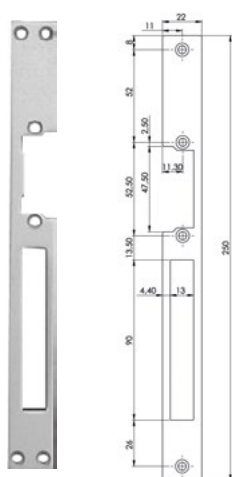


Shield P22



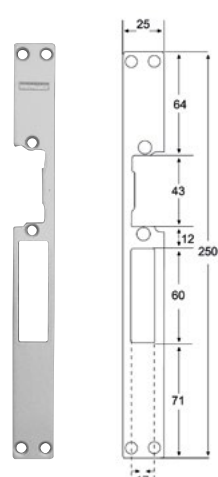
ref.2894

Shield L22



ref.2892

Shield GE



ref.2985

Contact 2C

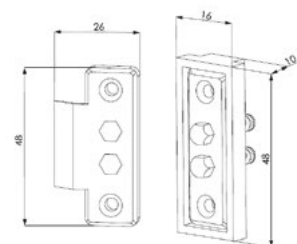
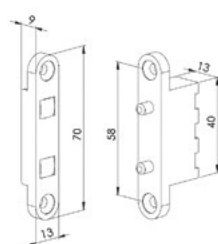


ref.2913

Contact 2CN



ref.7776



## FLUSH MOUNTED LOCK RELEASE

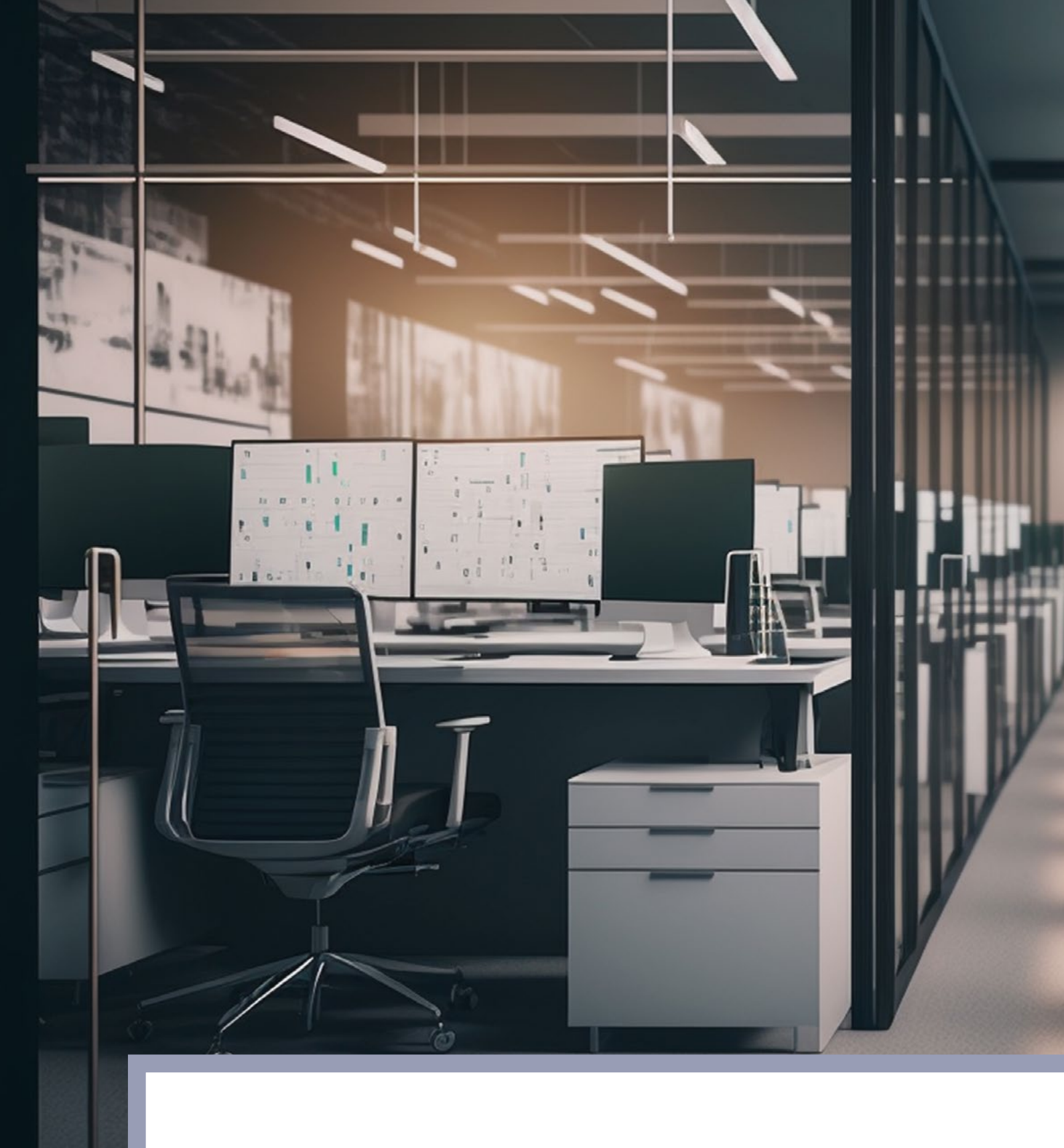
|      |                                  |
|------|----------------------------------|
| 2973 | S-TYPE GREY SHORT SHIELD         |
| 2893 | M-TYPE GREY LARGE SHIELD         |
| 2894 | P22-TYPE SHORT SHIELD            |
| 2892 | L22-TYPE GREY SHIELD             |
| 2975 | G-TYPE GREY LARGE SHIELD (36mm)  |
| 2985 | GE-TYPE GREY LARGE SHIELD (12mm) |

## SURFACE LOCK RELEASE (SHIELD)

|      |                       |
|------|-----------------------|
| 2987 | SHIELD TYPE-2006 GREY |
|------|-----------------------|

**FOR ALL TYPE OF LOCK RELEASE**

|      |                                       |
|------|---------------------------------------|
| 2913 | 2C DOUBLE CONTACT (WHITE)             |
| 7776 | 2CN DOUBLE DOOR CONTACT (BLACK)       |
| 2922 | 3C TRIPLE DOOR CONTACT                |
| 3083 | X1 FLEXIBLE CONDUIT (30cm)            |
| 4800 | POWER SUPPLY DIN4 230VAC/12VAC-1,5A   |
| 4802 | POWER SUPPLY DIN4 230VAC 12VAC/1A     |
| 4813 | POWER SUPPLY DIN6 100-240VAC/12VDC-2A |
| 1076 | MC740 G2 MAGNETIC CONTACT             |



# Access control



Solutions for  
restricted areas





Add more **SECURITY** with  
**DESFIRE!**

# DESFIRE

CARDS / KEY FOBs  
IMPOSSIBLE TO COPY



## SECURE THE ACCESS TO YOUR BUILDING

DESFIRE IS PERFECT FOR:

### Small installations

Stand-alone

### Large installations

**acmox**  
PERMAX ACCESS CONTROL SYSTEM

With and without keypad for  
double authentication factor.  
Wiegand mode operation

### Integrated in video door entry systems

**CORA S8, Skyline, Marine  
and Marine SIP panels.**

**cora**  
by PERMAX

**MARINE SIP**  
by PERMAX

### Custom proximity key fob (ref.4529)\*



**AT NO ADDITIONAL COST**

\*Please consult conditions.



## 1. Access control kits



ref.5194

NEW

5194

ONLINE RESISTANT MEMOKEY KIT





|                                                  |                                         |                             |
|--------------------------------------------------|-----------------------------------------|-----------------------------|
| <b>Authentication:</b> PIN/PROXIMITY (MIFARE/EM) | <b>Aesthetic:</b> Resistant             | <b>Controller:</b> External |
| <b>Authorisations:</b> IR Remote Control/App     | <b>Users:</b> 1000 (local ) + 500 (App) |                             |

Includes keypad (ref.5293), controller with IR control (ref.5193) and 12Vdc/2A power supply (ref.4813). Change keypad codes remotely via the app.



ref.5237

|                                                                                                                                                                                    |                             |                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-----------------------------|
| <b>5237 RESISTANT PROXIMITY KIT</b>                                                                                                                                                |                             |                             |
| <b>Authentication:</b> Proximity (MIFARE/EM)                                                                                                                                       | <b>Aesthetic:</b> Resistant | <b>Controller:</b> External |
| <b>Authorisations:</b> IR Remote control                                                                                                                                           | <b>Users:</b> 1000          |                             |
| Includes proximity reader (ref.5296), controller with IR remote control (ref.5193), power supply 12Vdc/2A (ref.4813), 3 cards MIFARE (ref.52750) and 2 key fob MIFARE (ref.52740). |                             |                             |



ref.4905

|                                                                                                                                                              |                                                                                                                                                                                                        |                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| <b>4905 EM CITYLINE PROXIMITY KIT</b>                                                                                                                        |                                                                                                                                                                                                        |                               |
| <b>Authentication:</b> Proximity (EM)                                                                                                                        | <b>Aesthetic:</b> Cityline                                                                                                                                                                             | <b>Controller:</b> Integrated |
| <b>Authorisations:</b> Master card                                                                                                                           | <b>Users:</b> 400                                                                                                                                                                                      |                               |
| Flush mounted. Includes reader (ref.6992), power supply 12Vac/1A (ref.4802), 5 cards EM (ref.23361) and 1 key fob EM (ref.4515) and S1 flush box (ref.8948). |                                                                                                                                                                                                        |                               |
| <b>Optional</b>                                                                                                                                              | 5193 WIEGAND 1 DOOR WI-FI MINI CONTROLLER*<br>(External controller, 1000 users, remote control IR, secure door).<br><br>2306 MANUAL PROGRAMING KEYPAD<br>(Programmer compatible with FERMAX EM cards). |                               |



ref.4906

|                                                                                                             |                            |                               |
|-------------------------------------------------------------------------------------------------------------|----------------------------|-------------------------------|
| <b>4906 CITYLINE MEMOKEY KIT</b>                                                                            |                            |                               |
| <b>Authentication:</b> PIN                                                                                  | <b>Aesthetic:</b> Cityline | <b>Controller:</b> Integrated |
| <b>Authorisations:</b> Master PIN                                                                           | <b>Users:</b> 100          |                               |
| Flush mounted. Includes keypad (ref.6991) and power supply 12Vac/1A (ref.4802) and S1 flush box (ref.8948). |                            |                               |



ref.5238

|                                                                                                                                                                                             |                             |                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-------------------------------|
| <b>5238 RESISTANT MEMOKEY KIT</b>                                                                                                                                                           |                             |                               |
| <b>Authentication:</b> Pin/Proximity (MIFARE/EM)                                                                                                                                            | <b>Aesthetic:</b> Resistant | <b>Controller:</b> Integrated |
| <b>Authorisations:</b> PIN Master                                                                                                                                                           | <b>Users:</b> 600           |                               |
| Includes keypad (ref.5293), power supply 12Vac/1A (ref.4802), 3 cards MIFARE (ref.52750) and 2 key fob MIFARE (ref.52740). Authentication options: PIN only, Proximity only, PIN+Proximity. |                             |                               |



ref.5249

|                                                                                                     |                         |                               |
|-----------------------------------------------------------------------------------------------------|-------------------------|-------------------------------|
| <b>5249 RF 868MHZ SYSTEM KIT FOR SHOPS</b>                                                          |                         |                               |
| <b>Authentication:</b> RF                                                                           | <b>Aesthetic:</b> Other | <b>Controller:</b> Integrated |
| <b>Authorisations:</b> Prog.button                                                                  | <b>Users:</b> 500       |                               |
| It includes receiver (ref.5250), power supply 12Vac/1A (ref.4802) and 3 remote controls (ref.5259). |                         |                               |

\* Ref. 5193 requires 12Vdc power supply via additional power supply ref. 4813.

## 2. Readers and keypads

### INTEGRATED Controller



ref.6992/6957



ref.6991



ref.5293



ref.5250

#### 6957 CITYLINE DESFIRE PROXIMITY READER



|                                    |                            |                                 |
|------------------------------------|----------------------------|---------------------------------|
| <b>Authentication:</b> Proximity   | <b>Aesthetic:</b> Cityline | <b>Controller:</b> Integrated   |
| <b>Authorisations:</b> Master card | <b>Users:</b> 400          | Includes flush box S1 ref. 8948 |
| <b>Power supply:</b> 12Vac/cc      |                            |                                 |

#### 6992 EM CITYLINE PROXIMITY READER



|                                       |                            |                                 |
|---------------------------------------|----------------------------|---------------------------------|
| <b>Authentication:</b> Proximity (EM) | <b>Aesthetic:</b> Cityline | <b>Controller:</b> Integrated   |
| <b>Authorisations:</b> Master card    | <b>Users:</b> 400          | Includes flush box S1 ref. 8948 |
| <b>Power supply:</b> 12Vac/cc         |                            |                                 |

#### 6991 CITYLINE MEMOKEY

|                                   |                            |                                 |
|-----------------------------------|----------------------------|---------------------------------|
| <b>Authentication:</b> PIN        | <b>Aesthetic:</b> Cityline | <b>Controller:</b> Integrated   |
| <b>Authorisations:</b> PIN Master | <b>Users:</b> 100          | Includes flush box S1 ref. 8948 |
| <b>Power supply:</b> 12Vac/cc     |                            |                                 |

#### 5293 RESISTANT KEYPAD W/PROXIMITY



|                                                                                                          |                             |                               |
|----------------------------------------------------------------------------------------------------------|-----------------------------|-------------------------------|
| <b>Authentication:</b> PIN/Proximity (MIFARE/EM)                                                         | <b>Aesthetic:</b> Resistant | <b>Controller:</b> Integrated |
| <b>Authorisations:</b> PIN Master                                                                        | <b>Users:</b> 600           |                               |
| <b>Power supply:</b> 12Vac/cc                                                                            |                             |                               |
| <b>Optional</b> 5193. CONTROLLER MINI* (External controller, 1000 users, remote control IR, secure door) |                             |                               |

#### 5250 RF BASIC-2B RECEIVER

|                                    |                         |                               |
|------------------------------------|-------------------------|-------------------------------|
| <b>Authentication:</b> RF          | <b>Aesthetic:</b> Other | <b>Controller:</b> Integrated |
| <b>Authorisations:</b> Prog.button | <b>Users:</b> 500       |                               |
| <b>Power supply:</b> 12Vac/cc      |                         |                               |



"Identifiers cannot be copied"

### EXTERNAL Controller

Equipment that has a **Wiegand output** and requires an stand-alone external mini controller ref. 5193 and 12Vdc power supply (ref.4813):



ref.6958/6957



ref.5296

#### 6958 CITYLINE WG MIFARE/EM PROXIMITY READER



|                                              |                            |                             |
|----------------------------------------------|----------------------------|-----------------------------|
| <b>Authentication:</b> Proximity (MIFARE/EM) | <b>Aesthetic:</b> Cityline | <b>Controller:</b> External |
|----------------------------------------------|----------------------------|-----------------------------|

#### 6957 CITYLINE DESFIRE PROXIMITY READER



|                                            |                            |                             |
|--------------------------------------------|----------------------------|-----------------------------|
| <b>Authentication:</b> Proximity (DESFIRE) | <b>Aesthetic:</b> Cityline | <b>Controller:</b> External |
| Includes flush box S1 ref. 8948            |                            |                             |

#### 5296 EM/MIFARE WIEGAND RESISTANT PROXIMITY READER



|                                              |                             |                             |
|----------------------------------------------|-----------------------------|-----------------------------|
| <b>Authentication:</b> Proximity (EM/MIFARE) | <b>Aesthetic:</b> Resistant | <b>Controller:</b> External |
| Includes flush box S1 ref. 8948              |                             |                             |



"Identifiers cannot be copied"

# Access control

SMALL  
INSTALLATIONS



ref.5190



ref.5266

## 5190 WIEGAND CITYLINE KEYPAD

**Authentication:** PIN

**Aesthetic:** Cityline

**Controller:** External

Includes flush box S1 ref. 8948

## 5266 RF-WIEGAND RECEIVER 12VDC

**Authentication:** RF

**Aesthetic:** Other

**Controller:** External

## Accessories



ref.4533 / 4534



ref.4813

## 4533 DESFIRE USB CARD READER

## 4534 USB PROGRAMMER DESFIRE CARDS



ref.5287



ref.5207

## 4813 POWER SUPPLY DIN6 100-240Vac 12Vdc/2A

## 67501 UNIVERSAL LOCK RELEASE 990N-P22 MAX 12-24Vdc/ca

## 67524 UNIVERSAL LOCK RELEASE 990A-S 12-24Vdc/ca

## 5287 FLUSH MOUNTED PUSHBUTTON (2 WIRES)

## 5288 SURFACE MOUNTED PUSHBUTTON (2 WIRES)

## 5207 CONTACTLESS PUSHBUTTON FLUSH MOUNTED (4 WIRES)

## 5208 CONTACTLESS PUSH BUTTON SURFACE BOX



ref.67501



ref.5288

## 1076 MC740 G2 MAGNETIC CONTACT

## 7061 CITYLINE SURFACE BOX S1 (130x128x33 mm)

## 7062 CITYLINE SURFACE BOX S2 (130x151x33 mm)

## 8851 FLUSH BOX S1 (115x114x45 mm)



ref.1076



ref.2306

## 2306 MANUAL PROGRAMING KEYPAD

## 24661 USB ADAPTOR TO RS485



ref.24661

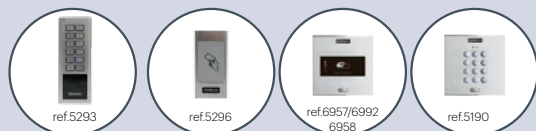
Dimensions: (width) x (height) x (depth) mm.

**NEW**

# Generate keypad codes and open the door from your smartphone



Can be installed together with:



Keypad codes created by the app are available in addition to those created locally (by the IR remote control/master card).

## Wi-Fi door controller for proximity readers and keypads

### Remote management via app. (Internet connection required).

**NEW**

- Remote door opening via the app.
- Add / delete users via the app (Up to 500 users/1000 codes).
- Creation of single-use guest codes.
- Temporary restrictions.
- Events log.

### Local management via IR remote control.

**NEW**

- Siren output (after 10 failed attempts and/or door open/forced alarm).
- Door status (magnetic contact ref.1076 or door contacts ref.2913 or ref.7776 must be connected).
- Automatic card collection mode.

- Up to 1,000 users.
- Programmable via IR remote control.

**5193 WIEGAND 1 DOOR WIFI MINI CONTROLLER**

Available in March 2025.





# inkey

MINI FERMEX

- Input power: 12Vdc.
- 1,8" Display.
- Configuration by touching the optic reader.
- Up to 150 readers in the same LAN.
- External relay connection when used in standalone mode.
- Integrated proximity reader.
- Compatible with MIFARE key fobs/cards (ref.52740/52750).



| 5233 INKEY MINI IP FINGERPRINT READER                                                                                                                  |                                                                   |                                     |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|-------------------------------------|---------------------------------------------------------------------------------------|
| <b>Authentication:</b> Fingerprint/Proximity (MIFARE)                                                                                                  |                                                                   | <b>Aesthetic:</b> Other             | <b>Controller:</b> Integrated                                                         |
| <b>Authorisations:</b> PC                                                                                                                              |                                                                   | <b>Users:</b> 5000                  |                                                                                       |
| Free fingerprint management software. IP65 protection degree. Surface-mounted installation indoor or outdoor. Fingerprint cloning via USB flash drive. |                                                                   |                                     |                                                                                       |
| <b>Optional</b>                                                                                                                                        | 5234                                                              | USB INKEY MINI FINGERPRINT READER   |                                                                                       |
|                                                                                                                                                        | 2013                                                              | ADDITIONAL FUNCTIONS RELAY          |                                                                                       |
|                                                                                                                                                        | 5193                                                              | WIEGAND 1 DOOR WIFI MINI CONTROLLER |                                                                                       |
|                                                                                                                                                        | (External controller, 1000 users, remote control IR, secure door) |                                     |                                                                                       |

# KITS. GUIDE TO CHOOSING THE RIGHT PRODUCT

## 1 How will the **user** be identified?

### PROXIMITY



Ref. 6992/6957  
EM



Ref. 5296  
MF/EM

### PIN CODE



Ref. 6991/5190



Ref. 5293  
MF/EM

### FINGERPRINT



Ref. 5233  
MF

### RF



Ref. 5250

#### RECOMMENDED

#### DESFIRE

13,56MHz AES 256

#### EM

125KHz

#### MIFARE

13,56MHz

User identification by **key fobs or cards**.

Standard or enhanced security with AES 256 encryption (DESFIRE).

Also available on certain keypad models.

## 2 How many **users** will need to be managed?

**100 TO  
600** users

See number of  
users for each  
reference

**UP TO  
1000\***



Ref. 5193

**MORE  
THAN 1000**



Ref. 5233

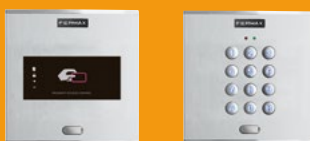
\*1,000 in local and another 1,000 codes in APP

## 3 Which **aesthetic** do you prefer?

### RESISTANT



### CITYLINE



### SKYLINE

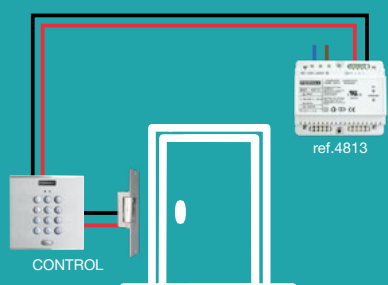
See DUOX PLUS section  
Integration with video  
door entry system

See page 46

## 4 Do you need to increase the **security** of the door?

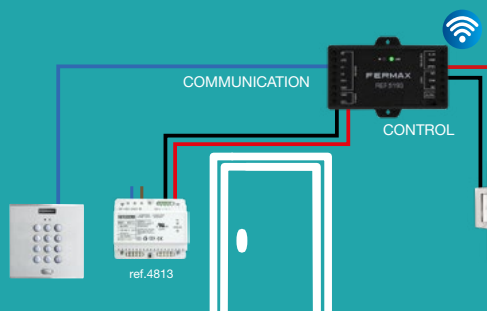
### NO Devices with internal controller

- They have a relay for a direct control of the electric lock release.
- Number of users according to each equipment.
- Management of the users by card, PIN... master.



### YES Devices with external controller ref. 5193

- They have communication with the equipment that controls the door: secured door. The keypad/reader does not have wiring to the rear of the door lock.
- Extended number of users: 1000 users.
- User management via IR control.



## Summary



| Authentication          | Technology Proximity | Users | Aesthetic  | Controller | Ref.    | Kit  |
|-------------------------|----------------------|-------|------------|------------|---------|------|
| Proximity               | EM                   | 400   | Cityline   | Integrated | 6992    | 4905 |
|                         | Desfire              | 400   |            |            | 6957    |      |
| PIN Code                |                      | 100   |            |            | 6991    | 4906 |
| PIN Code + Proximity    | Mifare/EM            | 600   | Resistant  |            | 5293    | 5238 |
| RF                      |                      | 500   | -          |            | 5250    | 5249 |
| Fingerprint + Proximity | Mifare               | 5.000 | Inkey Mini |            | 5233[1] |      |

|                         |           |       |            |                                |      |           |
|-------------------------|-----------|-------|------------|--------------------------------|------|-----------|
| Proximity               | EM        | 1.000 | Cityline   | External<br>(ref. 5193)<br>[2] | 6992 | 4905      |
|                         | Desfire   |       |            |                                | 6957 |           |
|                         | EM/Mifare |       | 6958       |                                |      |           |
|                         | EM/Mifare |       | 5296       |                                | 5237 |           |
| PIN Code                |           |       | Cityline   |                                | 5190 |           |
| PIN Code + Proximity    | Mifare    |       | Resistant  |                                | 5293 | 5238/5194 |
| RF                      |           |       | -          |                                | 5266 |           |
| Fingerprint + Proximity | Mifare    |       | Inkey Mini |                                | 5233 |           |

[1] Although it has a relay, it is necessary to connect an External relay to control a door release. It is recommended to use ref. 2013 relay.

[2] Ref. 5193 requires 12Vdc power supply via an additional power supply ref. 4813.

## Identifiers

**RECOMMENDED**

| DESIRE                                                                              |                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| KEY FOB                                                                             | CUSTOM KEY FOB                                                                      | CARD                                                                                |
| 4532                                                                                | <b>NEW</b> 4529*                                                                    | 4531                                                                                |
|  |  |  |
|                                                                                     | AT NO ADDITIONAL COST                                                               |                                                                                     |

**NEW**



Add more  
SECURITY with  
DESIRE!

\*Please consult conditions

 "Identifiers cannot be copied"

| EM                                                                                  |                                                                                     |                                                                                     |                                                                                     | MIFARE                                                                              |                                                                                      | RF 868Mhz                                                                             |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| KEY FOB                                                                             | CUSTOM KEY FOB                                                                      | CARD                                                                                | BRACELET                                                                            | KEY FOB                                                                             | CARD                                                                                 | REMOTE CONTROL                                                                        |                                                                                       |
| 4515                                                                                | <b>NEW</b> 4519*                                                                    | 23361                                                                               | 6949                                                                                | 52740                                                                               | 52750                                                                                | 5259                                                                                  | 5231                                                                                  |
|  |  |  |  |  |  |  |  |

\*Please consult conditions

## 3. AC-MAX access control system



Complete system for users management from PC, both locally and remotely by means of a free PC software.

Free software available at [www.fermax.com](http://www.fermax.com)



### ADVANCED FEATURES

- Real-time event logging.
- Remote software management: configuration, registration/cancellation of users, etc.
- Timetable control.
- Anti-passback, occupancy limitation, automations.

### ADVANTAGES



Easy to install and competitive kit format



Assistant that guides the installer through the process of creating their own configuration



Visual management of accesses via IP network with site map

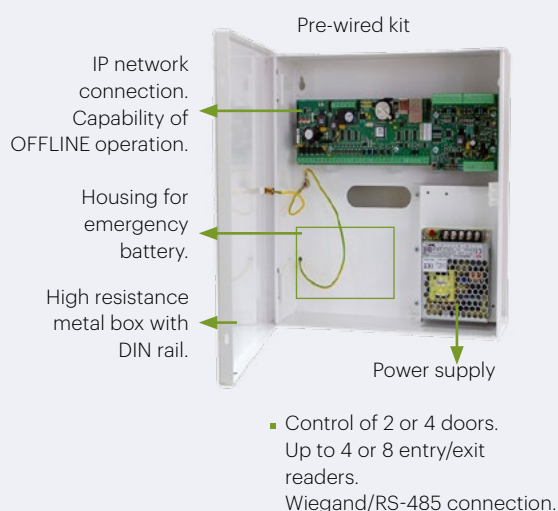


Integrated fingerprint readers which are managed using the same software



Allows events to be registered in customisable formats

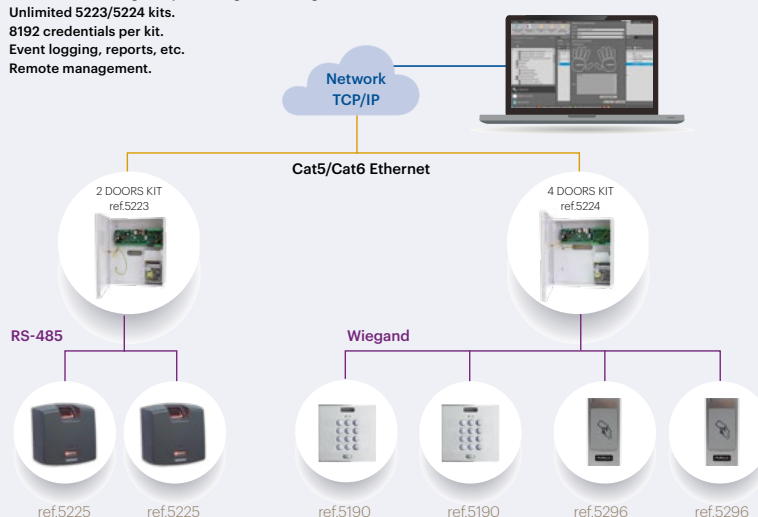
### 2 OR 4 DOORS KIT



### BASIC SCHEME

Free software.  
Includes wizard to guide you through the configuration.  
Unlimited 5223/5224 kits.  
8192 credentials per kit.  
Event logging, reports, etc.  
Remote management.

LOCAL AND REMOTE MANAGEMENT



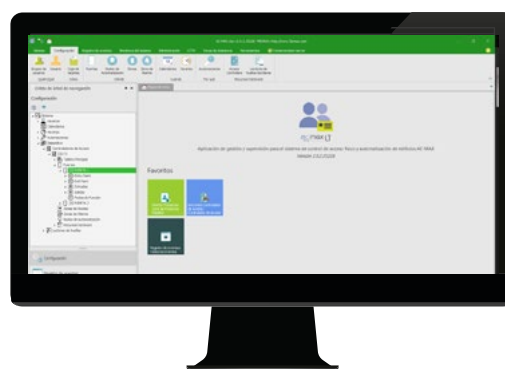
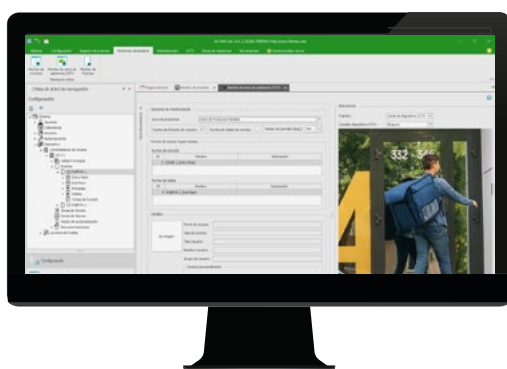


## AC-MAX LT 2.0 Software

One single free software with all common required functions already built-in: system configuration, management of users, roles and credentials, log of events, reports, integration of CCTV cameras, occupancy limit&count,...

"ST version" also available, with advanced functionalities.

**Available languages:** Spanish, English, Portuguese, French, German, Dutch.



| SOFTWARE FEATURES              | LT 2.0                        |
|--------------------------------|-------------------------------|
| <b>CAPACITY</b>                |                               |
| Licences required              | NO                            |
| No. OF DOORS                   | No limits                     |
| No. OF USERS/CENTRAL           | 8.192                         |
| No. OF CENTRAL UNITS           | No limits                     |
| No. OF RELAYS                  | No limits/ 128 per controller |
| No. OF SENSORS                 | No limits/ 128 per controller |
| No. OF EVENTS                  | 8.000.000                     |
| <b>BASIC FUNCTIONS</b>         |                               |
| Configuration Wizard           | YES                           |
| Real time event monitoring     | YES                           |
| Reports                        | YES                           |
| Built-in fingerprint enrolment | YES                           |
| Site Map                       | NO*                           |
| Software remote door opening   | YES                           |
| Local Antipassback             | YES                           |
| Different operator profiles    | YES                           |
| Access Zones                   | YES                           |
| Occupancy limit                | YES                           |
| Occupancy count                | YES                           |
| List of persons in a zone      | YES                           |
| Alarm zones                    | YES                           |
| Automations                    | YES (8 modes)                 |
| Credential expiry date         | YES                           |
| Different credentials per user | YES                           |

| SOFTWARE FEATURES                             | LT 2.0 |
|-----------------------------------------------|--------|
| <b>ADVANCED FUNCTIONS</b>                     |        |
| Limited number of accesses per user           | NO     |
| Global Antipassback                           | NO*    |
| Perimetral zones                              | NO*    |
| Client/Server installation                    | YES    |
| Multi company partition                       | NO**   |
| Different projects management                 | YES    |
| Internet remote management                    | YES    |
| Time & Attendance                             | BASIC  |
| Basic visit management                        | NO*    |
| Design/Print prox. cards                      | NO*    |
| Advanced authorization                        | NO*    |
| Authentication policies                       | YES    |
| Asset management                              | NO*    |
| Email alerts                                  | NO*    |
| Fire Alarm inputs                             | NO*    |
| <b>INTEGRATION</b>                            |        |
| External Database                             | YES    |
| CCTV video stream reception                   | YES    |
| API                                           | FREE   |
| Lift Control                                  | NO*    |
| <b>NEW</b> Automatic Number Plate Recognition | NO*    |

\* Check availability with ST 2.0 version.

\*\*Available in ST 2.0 version and requires a licence.

## KITS



ref.5223



ref.5224

### 5223 2-DOOR AC-MAX CONTROLLER KIT

Includes metal box with power supply, an IP controller unit and a 2 door expander. Dimensions: 295x285x90.  
Power supply: 3,6 A.

### 5224 4-DOOR AC-MAX CONTROLLER KIT

Includes metal box with power supply, an IP controller unit and a 4 door expander. Dimensions: 325x305x100.  
Power supply: 5,4 A.

For projects with more than 4 doors: just connect the desired number of kits to the same IP network. They are managed from a single software by IP.

## ACCESSORIES

### 6957 DESFIRE CITYLINE READER 6958 MIFARE CITYLINE READER



Wiegand

### 5296 RESISTANT PROX. READER



Wiegand

### 5293 RESISTANT PROX. KEYPAD



Wiegand

### 5190 CITYLINE KEYPAD



Wiegand

### 5266 RF RECEIVER



Wiegand

### 5225 FINGERPRINT READER



RS-485



ref.5222



ref.5201



ref.1608/5204

### 5222 LIFT CONTROL 8 FLOOR KIT

The 5222 kit includes a 5221 licence for the control of up to 8 plants. This kit can accommodate a maximum of 2x additional ref. 5201. From the ninth floor upwards, include one 5201 + 5221 for each additional 8 floors.

### 5201 EXPANDER 8 INPUTS / 8 OUTPUTS (EXP8-IO)

### 5221 L.C. 8 FLOORS LICENCE Extension

### 5209 METAL BOX FOR LIFT CONTROL

### 1608 AC-MAX LICENCE DONGLE (KEY6-USB)

### 5204 DESKTOP PROXIMITY READER AC-MAX (KEY3-USB)

\* For desfire desktop reader use ref.4533.

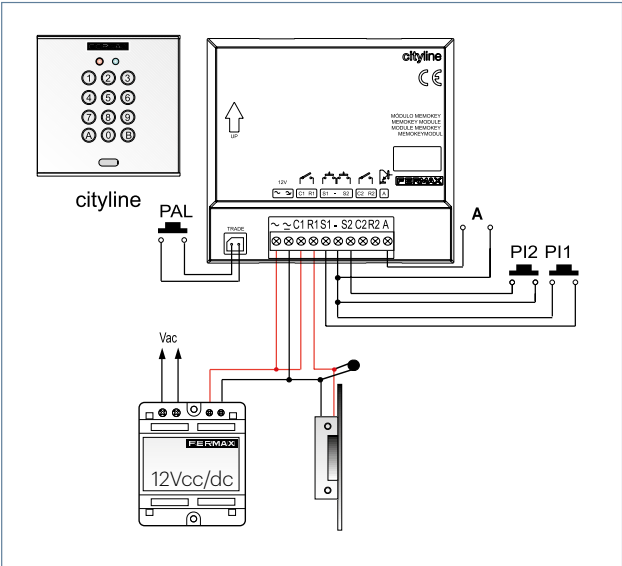
| DESFIRE |                       |       |      | RF 868Mhz      |      | MIFARE  |       |
|---------|-----------------------|-------|------|----------------|------|---------|-------|
| KEY FOB | CUSTOM KEY FOB        |       | CARD | REMOTE CONTROL |      | KEY FOB | CARD  |
| 4532    | NEW                   | 4529* | 4531 | 5259           | 5231 | 52740   | 52750 |
|         |                       |       |      |                |      |         |       |
|         | AT NO ADDITIONAL COST |       |      |                |      |         |       |

\*Please check conditions

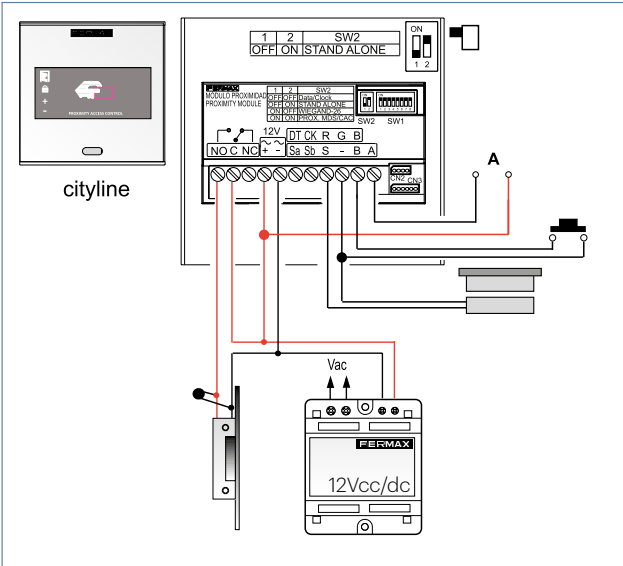
# Access control

## DIAGRAM. KITS WITH INTEGRATED CONTROLLER

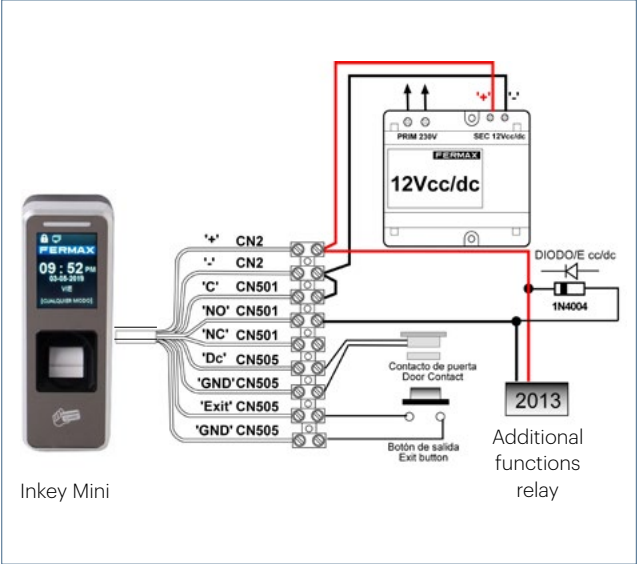
KEYPAD



PROXIMITY



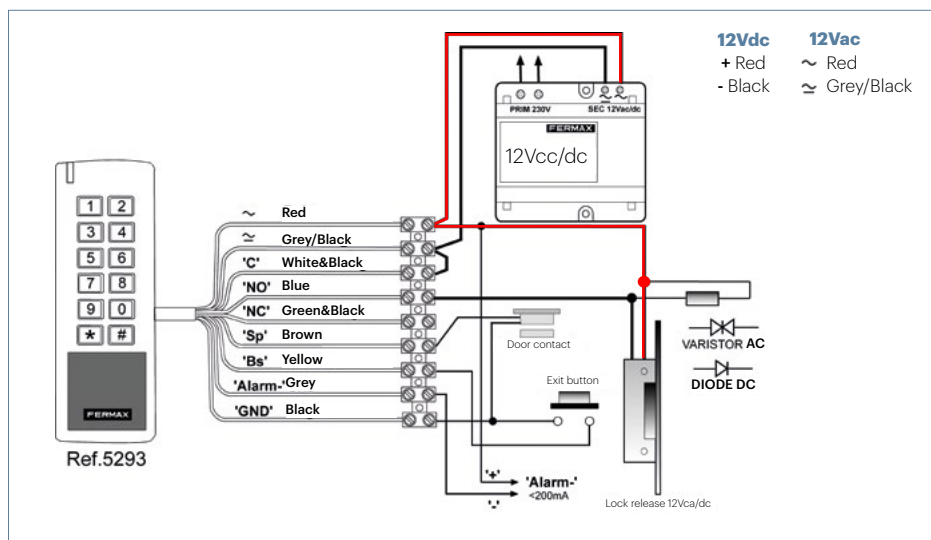
FINGERPRINT



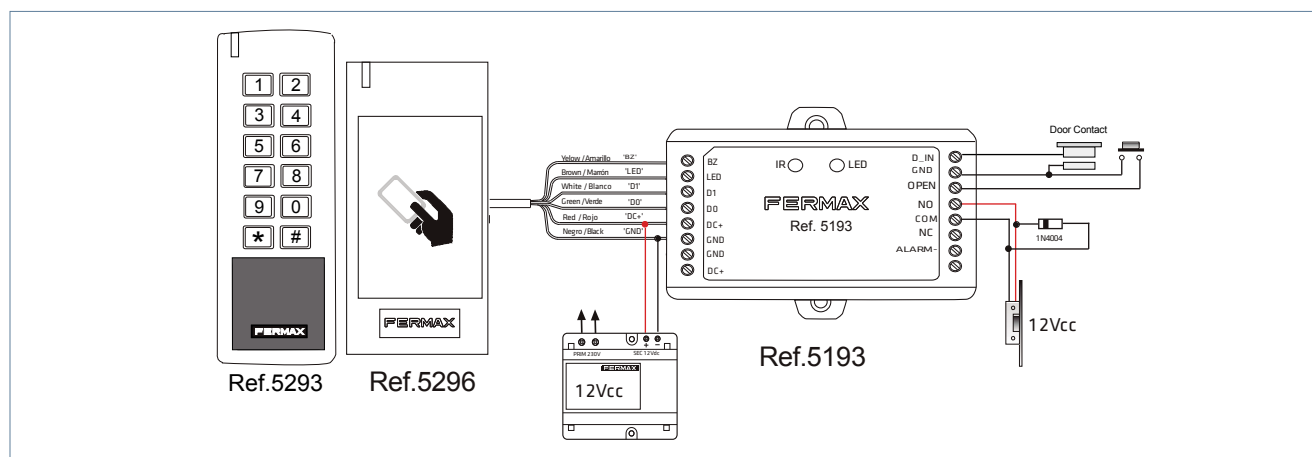
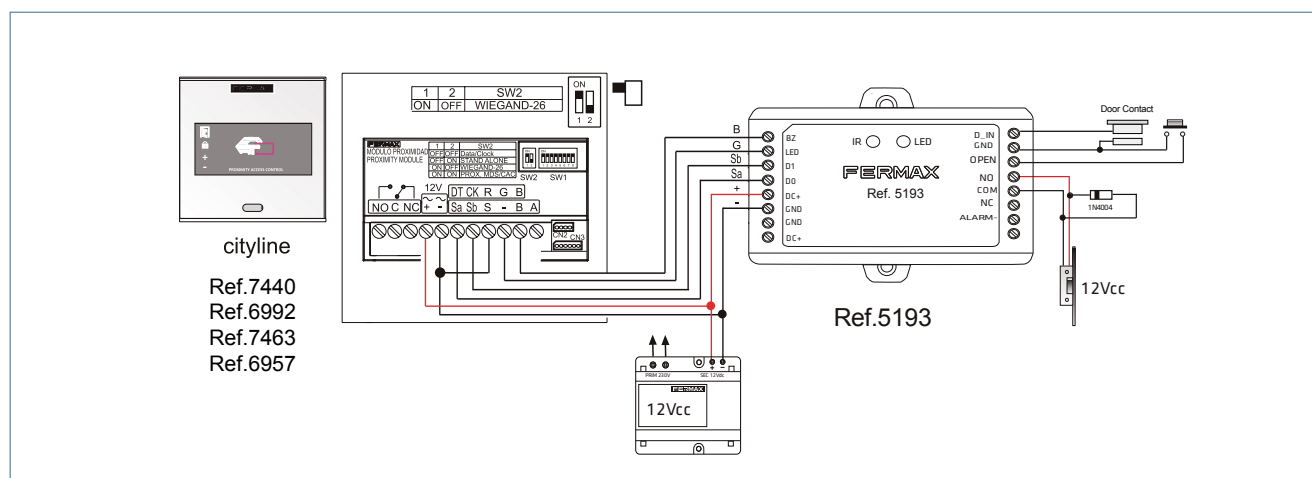
# Access control

## DIAGRAM. KITS

### RESISTANT KEYPAD WITH INTEGRATED CONTROLLER



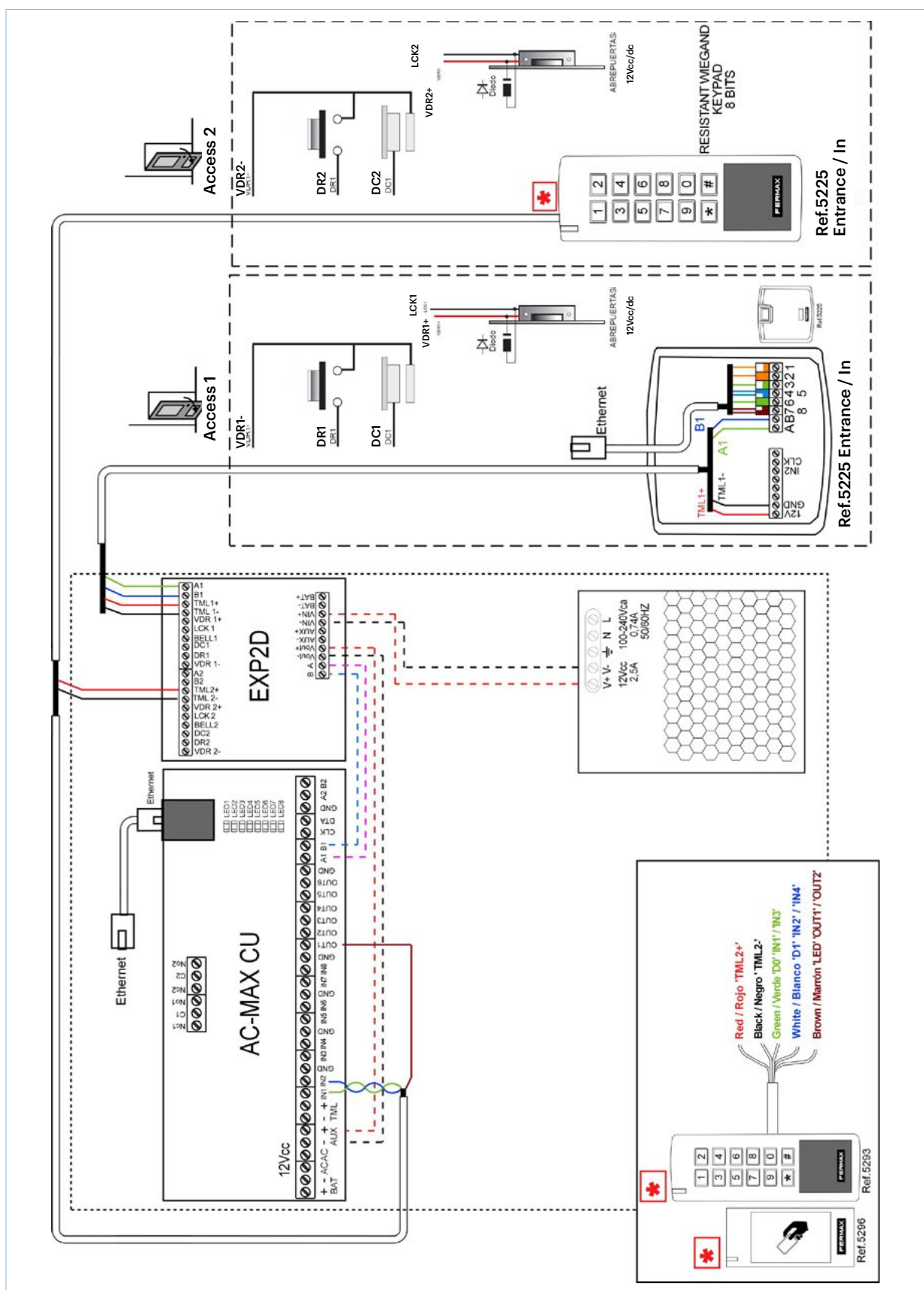
### WITH WIEGAND 1 DOOR WIFI MINI CONTROLLER





# Access control

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| 30701 | LOCK RELEASE 540N-412-S MAX                   | 99            |
| 30711 | LOCK RELEASE 540N-S MAX                       | 95,99         |
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| 67531 | UNIVERSAL LOCK RELEASE 990AD-P22 10-24V MAX | 100              |
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| 67800 | UNIVERSAL ELECTRIC STRIKE 990N-512 CTC MAX  | 99               |
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| 95181  | MILO 1W PANEL SURFACE BOX MEET ALU      | 71          |
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| 95411  | NEO/WIT MONITOR CONNECTOR MEET          | 22,23,74,75 |
| 953303 | 1/W MILO VIDEO PANEL BLACK MEET         | 23,71       |

## LIST OF MOST SEARCHED OBSOLETE REFERENCES AND THEIR EQUIVALENTS.

| OBSOLETE REF. | DESCRIPTION                                               | EQUIVALENCES        |
|---------------|-----------------------------------------------------------|---------------------|
| 1098          | ADS BASIC CITYMAX MONITOR (for VISION 5 installations)    | PVT03305 + PVT09567 |
| 2406          | 199 KIT VDS CITYMAX TELEPHONE                             | 3390                |
| 2408          | ADS COMMANDER FOR AC ELECT.LOCKS                          | PVT03264            |
| 2447          | CITYMAX ADS BASIC MONITOR                                 | PVT09401 + PVT09402 |
| 2447          | CITYMAX ADS BASIC MONITOR (for VISION 5 installations)    | PVT03305 + PVT09567 |
| 2451          | VDS BASIC CITYMAX TELEPHONE                               | 3390                |
| 2452          | VDS EXTRA CITYMAX TELEPHONE                               | 3391                |
| 2456          | CITYMAX ADS EXTRA MONITOR                                 | PVT09401 + PVT09402 |
| 2456          | CITYMAX ADS EXTRA MONITOR (for VISION 5 installations)    | PVT03305 + PVT09567 |
| 2483          | B/W VISION 5 CAMERA                                       | PVT09671 + PVT02444 |
| 2490          | COLOUR CITY CLASSIC CAMERA MODULE                         | PVT09671            |
| 2502          | PUSHBUTTON CITYMAX MODULE 4+N 101                         | PVT09679            |
| 3305          | COLOUR VDS LOFT MONITOR 3,5"                              | PVT09401 + PVT09402 |
| 3305          | COLOUR VDS LOFT MONITOR 3,5" (for VISION 5 installations) | PVT03305            |
| 3310          | B/W 4+N LOFT MONITOR                                      | PVT03307 +PVT03315  |
| 3311          | B/W VDS LOFT MONITOR (for VISION 5 installations)         | PVT03305 + PVT09567 |
| 3319          | B/W VDS LOFT CHALET MONITOR                               | PVT09401 + PVT09402 |

| OBSOLETE REF. | DESCRIPTION                               | EQUIVALENCES        |
|---------------|-------------------------------------------|---------------------|
| 3320          | COLOUR VDS LOFT MONITOR 3,5"              | PVT09401 + PVT09402 |
| 3321          | VISION 5 LOFT MONITOR T-20 CHALET W/BATT  | PVT03305            |
| 3610          | MEMOKEY CITY CLASSIC READER               | 6991                |
| 6070          | DIGITAL CITYMAX MONITOR                   | PVT09401 + PVT09402 |
| 7391          | COLOUR DUOX VIDEO SKYLINE MODULE W        | 73911               |
| 7910          | RF SYSTEM KIT FOR SHOPS                   | 5249                |
| 8022          | CITYMAX BASIC MONITOR                     | PVT03307 +PVT03315  |
| 8028          | B/W CITY CLASSIC CAMERA MODULE            | PVT09671            |
| 8039          | UNIVERSAL CITYMAX TELEPHONE               | 3431                |
| 8044          | BASIC CITYMAX TELEPHONE                   | 3426 / 3431 / 80447 |
| 9405          | DUOX VEO MONITOR (versions pre 11.30)     | PVT09299            |
| 9405          | DUOX VEO MONITOR (versions post 11.30)    | 9445 + 9447         |
| 9408          | DUOX VEO-XS MONITOR (versions pre 12.30)  | PVT09299            |
| 9408          | DUOX VEO-XS MONITOR (versions post 12.30) | 9447 + 9448         |
| 49201         | 1/W DUOX PLUS AUDIO CITY VEO KIT          | 49202               |
| 80397         | UNIVERSAL CITYMAX TELEPHONE WHITE         | 3431                |
| 3311          | B/W VDS LOFT MONITOR                      | PVT09401 + PVT09402 |



## Spare parts



Exclusive for  
professionals



# Spare parts Telephones / Monitors

## Citymax



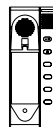
**Code 9585**  
Curled cable original  
colour  
4+N / VDS  
BUS2 / MDS / PALACE

**Code 9586**  
Curled cable white  
colour  
4+N



**Code 3442**  
Citymax telephone  
handset with  
inductive loop  
DUOX

**Code 9587**  
Telephone handset  
CITYMAX BL  
GENERIC



**Code 9589**  
CITYMAX  
TELEPHONE  
COVER  
4+N / VDS  
BUS2 / MDS / PALACE



**Code 8051**  
COMPLET  
CITYMAX  
telephone  
4+N



**Code 8058**  
Telephone CITYMAX  
PALACE EXTRA  
PALACE



**Code 1221**  
Colour palace BUS3  
monitor  
PALACE



**Code 2487**  
EXTRA colour  
palace monitor  
PALACE

## LOFT



**Code 9593**  
Curled cable LOFT  
4+N / VDS  
BUS2 / DUOX



**Code 3386**  
LOFT decorative  
frame  
GENERIC

## LOFT



**Code 9594**  
LOFT headphone  
arm  
4+N / VDS  
BUS2 / DUOX



**Code 9550**  
Front cover of LOFT  
Extra telephone  
GENERIC



**Code 3397**  
BUS2 EXTRA LOFT  
telephone  
BUS2



**Code 9551**  
LOFT monitor  
adaptation kit  
GENERIC



**Code 3325**  
VDS LOFT monitor  
desktop connector  
VDS



**Code 3307**  
LOFT monitor  
colour  
4+N

**Code 3305**  
Colour LOFT  
VDS monitor  
VDS

**Code 3235**  
Colour BUS2  
LOFT monitor  
BUS2



**Code 3315**  
4+N LOFT monitor  
connector  
4+N

**Code 3314**  
LOFT VDS monitor  
connector  
VDS

**Code 3221**  
BUS 2 Loft  
monitor  
connector  
BUS2



# Spare parts Telephones / Monitors

## LOFT COMPACT



**Code 9633**  
LOFT compact  
monitor audio  
replacement set

VDS



**Code 3742**  
VDS LOFT  
COMPACT  
surface  
connector

VDS

## iLOFT | iLOFT PURE



**Code 5620**  
Colour VDS iLOFT  
monitor

VDS



**Code 5631**  
iLOFT monitor  
crystal frame

VDS



**Code 9319**  
Wheel  
potentiometer  
telephone iLOFT

DUOX / VDS / LYNX



**Code 9552**  
Repairment audio  
set of iLOFT  
monitor

GENERIC



**Code 5614**  
iLOFT surface  
VDS monitor

VDS



**Code 5619**  
iLOFT surface  
PURE monitor  
BUS2

BUS2



**Code 5637**  
iLOFT monitor  
desktop

GENERIC

## smile



**Code 6545**  
3.5" VDS BASIC  
SMILE monitor

VDS



**Code 6550**  
7" VDS BASIC  
SMILE monitor

VDS



**Code 6554**  
7" VDS BASIC  
SMILE DDA  
monitor

VDS



**Code 6575**  
7" VDS BASIC  
SMILE touch  
monitor

VDS



**Code 6557**  
7" VDS BASIC  
SMILE monitor  
black

VDS

# Spare parts Telephones / Monitors

## SMILE



**Code 6547**  
SMILE 3.5" flush  
decorative frame

VDS



**Code 6552**  
SMILE 7" flush  
decorative frame  
white (no monitor)

VDS



**Code 6560**  
SMILE 7" flush  
decorative frame  
black (no monitor)

VDS



**Code 6546**  
SMILE 3,5" flush  
box

VDS



**Code 6551**  
SMILE 7" flush box

VDS



**Code 6566**  
SMILE monitor  
desktop support

VDS



**Code 6548**  
SMILE VDS  
monitor  
connector

VDS



**Code 6565**  
SMILE VDS  
monitor white  
connector

VDS



**Code 6567**  
SMILE VDS  
monitor connector  
black

VDS

## VEO



**Code 9301**  
VEO monitor/  
telephone  
handset

DUOX / VDS



**Code 9302**  
VEO monitor/  
telephone curled  
cable

DUOX / VDS



**Code 9299**  
Monitor VEO  
DUOX-colour 4,3"  
(Compatible with  
connector ref.9402)

DUOX



**Code 9320**  
Audio DUOX PLUS  
VEO guard unit  
monitor

DUOX



**Code 9333**  
DUOX guard unit  
repair set

DUOX/MEET



**Code 9362**  
Volume control  
wheel for VEOXS/  
XL DUOX monitors

DUOX



**Code 9803**  
Set loudspeaker  
monitor SMILE/  
VIVO/VEOXS-XL

GENERIC



**Code 9401**  
Monitor  
VEO VDS

VDS



**Code 9402**  
Conector  
VEO VDS\*

VDS

\* We no longer have the connector ref.9406 in stock. In case you require one, the compatible connector would be ref.9402 (using the strip of the previous connector).

# Spare parts Panels

## City Classic



**Code 9553**  
**CITYLINE CLASSIC**  
closing set

4+N / VDS  
BUS2 / MDS / PALACE



**Code 9655**  
**CITY CLASSIC**  
BASIC closing set

4+N / VDS  
BUS2 / MDS / PALACE



**Code 9600**  
**CITY CLASSIC**  
simple pushbutton

4+N / VDS  
BUS2 / MDS / PALACE



**Code 9601**  
**CITY CLASSIC**  
double  
pushbutton

4+N / VDS  
BUS2 / MDS / PALACE



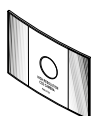
**Code 9607**  
**CITY CLASSIC**  
panel lamps

4+N / VDS  
BUS2 / MDS / PALACE



**Code 9735**  
Connection bracket  
lamp

4+N / VDS  
BUS2 / DUOX



**Code 9602**  
B/W crystal  
telecamera CITY  
CLASSIC

**Code 9603**  
Colour crystal  
telecamera CITY  
CLASSIC

4+N / VDS  
BUS2 / MDS / PALACE



**Code 1170**  
Multilanguage  
voice synthesizer

MDS/VDS



**Code 5003**  
1+N diodes  
circuit

1+N



**Code 9779**  
Audio CLASSIC  
amplifier repairing  
set

4+N / VDS  
BUS2 / MDS / PALACE



**Code 9695**  
4+N kit CITY CLASSIC  
amplifier W/O  
synthesizer

4+N

**Code 9696**  
4+N CITY CLASSIC  
building amplifier W/O  
synthesizer

4+N

**Code 9697**  
VDS CITY  
CLASSIC amplifier

VDS



**Code 9657**  
CITYLINE CLASSIC  
heating resistance

4+N / VDS  
BUS2 / MDS / PALACE



**Code 9745**  
CITY CLASSIC  
keypad key set

VDS / BUS2 / MDS

**Code 8584**  
Generic SPECIAL  
CLASSIC panel

GENERIC

**Code 8585**  
SPECIAL CLASSIC  
4+N panel

4+N

**Code 8586**  
SPECIAL CLASSIC  
VDS panel

VDS

# Spare parts Panels

## City Classic Digital



**Code 9614**  
VDS/BUS2 CITY  
CLASSIC display  
module  
VDS / BUS2



**Code 9615**  
MDS CITY  
CLASSIC direct  
display module  
MDS



**Code 9616**  
MDS CITY CLASSIC  
digital display  
module  
MDS



**Code 9617**  
VDS CITY CLASSIC  
direct keypad  
module  
VDS



**Code 9618**  
VDS CITY CLASSIC  
digital keypad  
module  
VDS



**Code 9619**  
MDS CITY CLASSIC  
direct keypad  
module  
MDS



**Code 9620**  
MDS CITY CLASSIC  
digital keypad  
module  
MDS



**Code 9621**  
CITY CLASSIC  
100C memokey  
module  
CA



**Code 9662**  
CITYMAX guard unit  
separation set  
MDS

## Citymax



**Code 9678**  
4+N CITYMAX  
amplifier module  
4+N

**Code 9684**  
VDS CITYMAX  
amplifier module  
VDS



**Code 9671**  
Colour CITY  
CLASSIC /  
CITYMAX camera  
module

4+N / VDS / BUS2  
MDS / PALACE



**Code 9679**  
Pushbutton  
Citymax module  
4+N 101  
4+N

**Code 9685**  
Pushbutton  
CITYMAX module  
VDS 101  
VDS



**Code 9680**  
Pushbutton  
CITYMAX module  
4+N 102  
4+N

**Code 9686**  
Pushbutton  
CITYMAX module  
VDS 102  
VDS



**Code 9681**  
Pushbutton  
CITYMAX module  
4+N 103  
4+N

**Code 9687**  
Pushbutton CITYMAX  
module VDS 103  
VDS



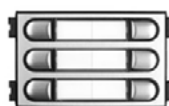
**Code 9694**  
Pushbutton  
CITYMAX module  
4+N 201  
4+N

**Code 9688**  
Pushbutton  
CITYMAX module  
VDS 201  
VDS



**Code 9682**  
Pushbutton  
CITYMAX module  
4+N 202  
4+N

**Code 9689**  
Pushbutton  
CITYMAX module  
VDS 202  
VDS

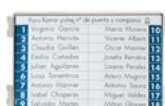


**Code 9683**  
Pushbutton  
CITYMAX module  
4+N 203  
4+N

**Code 9690**  
Pushbutton  
CITYMAX module  
VDS 203  
VDS



**Code 2520**  
CITYMAX  
memokey module  
CA



**Code 8820**  
CITYMAX  
panoramic  
cardholder  
GENERIC



# Spare parts Panels

## Citymax



## Cityline

|                                                                                     |                                                                                          |                                                                                      |                                                                                      |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|    | <p><b>Code 6966</b><br/>CITY VDS 2/W audio amplifier</p> <p>VDS</p>                      | <p><b>Code 6975</b><br/>CITY 4+N 2/W audio amplifier</p> <p>4+N</p>                  | <p><b>Code 6984</b><br/>CITY BUS2v 2/W audio amplifier</p> <p>BUS2</p>               |
|                                                                                     | <p><b>Code 9321</b><br/>CITY DUOX audio amplifier 2 pushbuttons v3.0/18V</p> <p>DUOX</p> | <p><b>Code 9346</b><br/>CITY DUOX PLUS audio amplifier 2 pushbuttons</p> <p>DUOX</p> | <p><b>Code 9734</b><br/>CITY 4+N 2/W audio amplifier</p> <p>4+N</p>                  |
|  | <p><b>Code 6962</b><br/>Keypad CITY VDS audio amplifier</p> <p>VDS</p>                   | <p><b>Code 9322</b><br/>Keypad CITY DUOX audio amplifier v3.0/18V</p> <p>DUOX</p>    | <p><b>Code 9347</b><br/>Keypad CITY DUOX PLUS audio amplifier</p> <p>DUOX</p>        |
|                                                                                     | <p><b>Code 6978</b><br/>CITY 4+N 2/W colour video amplifier</p> <p>4+N</p>               | <p><b>Code 6969</b><br/>CITY VDS 2/W colour video amplifier</p> <p>VDS</p>           | <p><b>Code 6987</b><br/>CITY BUS22/W colour video amplifier</p> <p>BUS2</p>          |
|  | <p><b>Code 9279</b><br/>CITY DUOX video amplifier 2 pushbuttons v3.0/18V</p> <p>DUOX</p> | <p><b>Code 9328</b><br/>Digital CITY DUOX 1/W PLUS video amplifier</p> <p>DUOX</p>   | <p><b>Code 9323</b><br/>CITY DUOX PLUS video amplifier 2 pushbuttons</p> <p>DUOX</p> |
|                                                                                     |                                                                                          | <p><b>Code 9775</b><br/>CITY VDS kit 2/W colour video amplifier</p> <p>VDS</p>       |                                                                                      |

With these amplifier models, we have covered the 30 different existing models of 0, 1 and 2 Lines. These are the most complete amplifiers (building amplifiers with colour camera). In case you need the 1 Line Amplifier, you will have to remove the extra pushbutton with a screwdriver.

# Spare parts Panels

## Cityline



**Code 6963**  
Keypad VDS CITY  
video amplifier

VDS

**Code 9280**  
Keypad DUOX CITY  
video amplifier V.3.0  
/ 18V

DUOX

**Code 9324**  
Keypad DUOX PLUS  
CITY video amplifier

DUOX



**Code 9658**  
CITY heating  
resistance

GENERIC



**Code 9608**  
CITYLINE simple  
pushbutton  
4+N / VDS / BUS2  
MDS / DUOX



**Code 9609**  
CITYLINE double  
pushbutton  
4+N / VDS / BUS2  
/MDS / DUOX



**Code 9610**  
MDS CITYLINE  
digital display  
MDS

**Code 9611**  
VDS/BUS2 CITYLINE  
digital display  
VDS / BUS2



**Code 9729**  
Display card  
CITYLINE  
GENERIC



**Code 9804**  
DUOX CITYLINE  
display v21.23  
DUOX

**Code 9283**  
Display CITYLINE  
DUOX PLUS  
DUOX



**CODE 9642**  
CITYLINE  
DIGITAL KEYPAD  
VDS / BUS2 / MDS

**Code 9308**  
CITY DUOX  
digital keypad  
DUOX



**Code 9613**  
CITYLINE  
memokey keypad  
CA



**Code 9728**  
CITYLINE direct  
keypad  
MDS / VDS  
BUS2 / DUOX



**Code 9554**  
CITYLINE closing  
accessories set  
GENERIC

**Code 9656**  
CITYLINE locking  
accessories set  
GENERIC



**Code 9555**  
Mechanical  
repairment set  
audio panels  
GENERIC

With these amplifier models, we have covered the 30 different existing models of 0, 1 and 2 Lines. These are the most complete amplifiers (building amplifiers with colour camera). In case you need the 1 Line Amplifier, you will have to remove the extra pushbutton with a screwdriver.

# Spare parts Panels

## Cityline



**Code 9556**  
Mechanical  
repairment set of  
video panels

GENERIC



**Code 9345**  
Set rep. video DUOX  
PLUS panel

DUOX

**Code 7424**  
Special CITYLINE  
panel

GENERIC

**Code 7425**  
Special CITYLINE  
4+N panel

4+N

**Code 7426**  
Special CITYLINE  
VDS panel

VDS

**Code 7428**  
Special CITYLINE  
DUOX panel

DUOX

**Code 9989**  
2 Pin Molex Cable  
CITYLINE P1-P2

DUOX

## MARINE Classic



**Code 9558**  
MARINE panel  
closing accesories  
set

GENERIC



**Code 9622**  
4+N MARINE  
CLASSIC amplifier  
module

4+N



**Code 9623**  
VDS MARINE  
CLASSIC amplifier  
module

VDS



**Code 3242**  
BUS2 adapter  
module

BUS2



**Code 9625**  
Colour MARINE  
CLASSIC camera  
module

4+N / VDS  
BUS2 / MDS

The accessory and repairment sets are compatible with the Skyline model.

# Spare parts Panels

## MARINE



**Code 9354**  
**MARINE direct**  
**keypad (Bell)**

MDS/VDS/BUS2/  
DUOX



**Code 9355**  
**MARINE digital**  
**keypad**

VDS/MDS/BUS2

**Code 9356**  
**MARINE digital**  
**keypad DUOX PLUS**  
**set**

DUOX



**Code 9286**  
**Keypad 1/W**  
**MARINE Duox Plus**  
**video amplifier**

DUOX



**Code 9357**  
**MARINE memokey**  
**keypad**

CA

**Code. 9288**  
**MARINE MEMOKEY**  
**keypad V2**

**Code 9289**  
**MARINE WIEGAND**  
**keypad V2**



**Code 9281**  
**Keypad MARINE**  
**DUOX video**  
**amplifier v3.0/18V**

DUOX

**Code 9282**  
**Pushbutton MARINE**  
**DUOX video amplifier**  
**v3.0/18V**



**Code 9325**  
**Keypad MARINE**  
**DUOX PLUS video**  
**amplifier**

DUOX

**Code 9326**  
**Pushbutton MARINE**  
**DUOX PLUS video**  
**amplifier**

DUOX



**Code 9348**  
**Pushbutton MARINE**  
**DUOX PLUS audio**  
**amplifier**

DUOX

**Code 9349**  
**Keypad MARINE**  
**DUOX PLUS**  
**audio amplifier**

DUOX



**Code 9703**  
**Pushbutton**  
**VDS MARINE**  
**video**  
**amplifier**

VDS

**Code 9638**  
**Pushbutton VDS**  
**MARINE video**  
**keypad amplifier**

VDS

**Code 9639**  
**BUS2 MARINE**  
**video amplifier**

BUS2

**Code 9637**  
**4+N MARINE**  
**video**  
**amplifier**

4+N



**Code 9635**  
**N-MARINE audio**  
**VDS keypad**  
**amplifier**

VDS

**Code 9713**  
**VDS MARINE**  
**audio amplifier**

VDS

With the Marine amplifier models, we cover 30 different existing models of 0, 1 and 2 Ways. They are the most complete amplifiers (building amplifiers with colour camera). If you require the 1-way amplifier, you will have to remove the extra pushbutton with a screwdriver.



# Spare parts Panels

## MARINE



**Code 9630**  
**MARINE**  
pushbutton  
w/ cardholder  
  
4+N / VDS / BUS2  
MDS / DUOX



**Code 9692**  
**MARINE** camera  
lens set  
  
GENÉRICO



**Code 9284**  
**DUOX PLUS**  
MARINE display  
  
DUOX

**Code 9287**  
Display **MARINE**  
**DUOX PLUS**  
>V45.15

**Code 9310**  
**DUOX MARINE**  
display v21.23



**Code 9375**  
**MARINE** microphone  
set amp. **DUOX PLUS**  
  
DUOX



**Code 9365**  
Crystal visor  
**MARINE DUOX**  
display  
  
GENÉRICO



**Code 9366**  
Crystal visor  
**MARINE** proximity  
  
GENÉRICO



**Code 9367**  
Crystal visor  
**MARINE**  
One-To-One  
  
GENÉRICO



**Code 9379**  
**MARINE**  
nameplate led  
**DUOX PLUS**  
  
DUOX



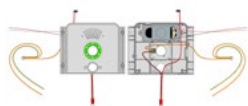
**Code 9381**  
**MARINE** panel  
pushbutton  
  
GENÉRICO



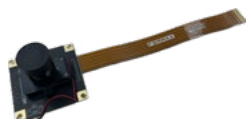
**Code 9640**  
**VDS/BUS2**  
MARINE display  
  
VDS / BUS2

**Code 9641**  
**MDS** Marine  
display  
  
MDS

## MARINE SIP



**Code 9371**  
**MARINE SIP**  
panel spare set  
  
SIP



**Code 9372**  
**MARINE SIP**  
panel camera  
  
SIP



**Code 9373**  
**MARINE SIP**  
microphone panel  
  
SIP

# Spare parts Panels

SKYLINE

|                                                                                             |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|            |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|            |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| <b>Code 7433</b><br><b>SKYLINE BUS2</b><br>video module W                                   | <b>Code 7406</b><br><b>SKYLINE 4+N</b><br>video module                              | <b>Code 7421</b><br><b>SKYLINE VDS</b><br>video module                              | <b>Code 9327</b><br><b>SKYLINE DUOX</b> video<br>module W v3.0/18V                  |                                                                                     |
| BUS2                                                                                        | 4+N                                                                                 | VDS                                                                                 | DUOX                                                                                |                                                                                     |
|            |    |    |  |  |
| <b>Code 7450</b><br><b>DUOX SKYLINE</b><br>display v21.23<br>(compatible with<br>DUOX V3.0) | <b>Code 7460</b><br><b>Digitiser Module</b>                                         | <b>Code 9318</b><br><b>Logo + oval bottom</b><br><b>CITYLINE/SKYLINE</b>            | <b>Code 73901</b><br><b>SKYLINE DUOX</b><br>audio amplifier<br>W v3.0/24V           | <b>Code 9784</b><br><b>Panel ELECTRET</b><br>microphone                             |
| DUOX                                                                                        | MDS                                                                                 | GENERIC                                                                             | DUOX                                                                                | GENERIC                                                                             |
|          |  |  |                                                                                     |                                                                                     |
| <b>Code 9369</b><br><b>Display card</b><br><b>SKYLINE</b>                                   | <b>Code 9374</b><br><b>CITY microphone</b><br>set amp.<br><b>DUOX PLUS</b>          | <b>Code 9378</b><br><b>CITY lens</b><br>video amplifier<br><b>DUOX PLUS</b>         |                                                                                     |                                                                                     |
| GENÉRICO                                                                                    | DUOX PLUS                                                                           | DUOX PLUS                                                                           |                                                                                     |                                                                                     |

# Spare parts Panels

cora



**Code 9383**  
Closing CORA  
panel bolt

DUOX PLUS



**Code 9384**  
CORA  
microphone set  
amp. DUOX PLUS

DUOX PLUS



**Code 9385**  
CORA DUOX PLUS  
panel speaker set  
amp.

DUOX PLUS



**Code 9386**  
CORA panel  
camera set amp.  
DUOX PLUS

DUOX PLUS



**Code 9387**  
S6 CORA panel  
front cover DUOX  
PLUS

DUOX PLUS



**Code 9388**  
S8 CORA panel  
front cover DUOX  
PLUS

DUOX PLUS



**Code 9389**  
CORA keypad  
DUOX PLUS

DUOX PLUS



**Code 9390**  
CORA panel frame  
closure accessory

DUOX PLUS

# Spare parts Access control

## Access control



**Code 9334**  
**AC-MAX kit**  
**controller circuit 2**  
**doors**

AC-MAX



**Code 9335**  
**AC-MAX kit**  
**controller circuit 4**  
**doors**

AC-MAX



**Code 9336**  
**AC-MAX kit**  
**expander circuit 2**  
**doors**

AC-MAX



**Code 9337**  
**AC-MAX kit**  
**expander circuit 2**  
**doors**

AC-MAX



**Code 9338**  
**AC-MAX kit**  
**power supply**  
**13.8 vdc / 3.6 a**

AC-MAX



**Code 9339**  
**AC-MAX kit power**  
**supply 13.8 vdc /**  
**5.4 a**

AC-MAX



**Code 9344**  
**AC-MAX expander**  
**module connectors**

AC-MAX



**Code 5261**  
**RF KEYTRI PLUS2**  
**remote control**

CA



**Code 2338**  
**PC RS232 to**  
**RS485 adaptor**

GENERIC



**Code 5258**  
**RF-PROX**  
**programming kit**  
**USERPLUS**

CA



**Code 9781**  
**CITY/MARINE**  
**fingerprint reader**

CA



**Code 4410**  
**Central unit**  
**AC+**

CA



# Spare parts Systems

## VISION 5



Code 2482  
**VISION 5 video distributor**

VISION 5



Code 9567  
**VISION 5 LOFT connector replacement set**

VISION 5



Code 2444  
**VISION 5 video converter**

VISION 5

## 4+N



Code 2065  
**General call amplifier**

4+N



Code 8812  
**Automatic video switcher**

4+N



Code 4545  
**Telephone interface**

4+N

## LYNX



Code 1605  
**VIVO LYNX connector**

LYNX



Code 1623  
**LYNX SKYLINE display**

LYNX



Code 1615  
**LYNX relay decoder Master**

LYNX



Code 1645  
**iLOFT telephone LYNX**

LYNX



Code 9312  
**LYNX MARINE display**

LYNX



Code 1622  
**SKYLINE LYNX video module**

LYNX

Code 5503  
**MARINE LYNX video module**

LYNX

Code 9309  
**CITYLINE LYNX video module**

LYNX



Code 1650  
**SMILE 7" LYNX monitor white**

LYNX



Code 1655  
**SMILE LYNX monitor connector**

LYNX

# Spare parts Systems

way



**Code 1405**  
7" WAY kit  
monitor 1

WAY



**Code 1407**  
1/W colour WAY  
video kit panel

WAY



**Code 1411**  
1/W WAY Prox  
video kit panel

WAY



**Code 9298**  
Kit WAY panel  
lens

WAY



**Cód. 1410**  
WAY KIT  
P.S.U. DIN4  
24VDC-1.5A

WAY



**Code 1412**  
7" WAY kit  
monitor 1 (V2)

WAY



**Code 1413**  
7" WAY kit  
monitor 2



**Code 1416**  
1/W colour  
WAY video kit  
panel (V2)



**Code 1417**  
2/W colour WAY  
video kit panel  
(V2)



**Code 1418**  
WAY relay  
module



**Code 1419**  
WAY switcher/  
distributor

WAY

way-Fi



**Code 1438**  
1/W WAY-Fi  
video panel

WAY-Fi



**Code 1436**  
7" WAY-Fi touch  
screen monitor  
with Wi-Fi

WAY-Fi

MEET



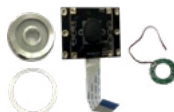
**Code 15444**  
KIN, MARINE panels  
audio set

MEET



**Code 15428**  
KIN panel 10" TFT

MEET



**Code 15427**  
KIN panel camera  
repair set (Grey)

MEET



**Code 15432**  
KIN panel slider set  
(Grey)

MEET



**Code 15475**  
MILO, MARINE  
panels 4,3" TFT

MEET



**Code 15429**  
MILO panel  
camera repair set

MEET



**Code 15470**  
MILO panel front  
cover set for  
ref.9531

MEET



**Code 15471**  
MILO TOUCH panel  
front cover set for  
ref.9532

MEET



**Code 15472**  
MILO panel slider  
set

MEET

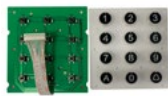


**Code 15499**  
MEET panel  
accessories set

MEET

# Spare parts Systems

MEET



**Code 15477**  
MILO panel  
keypad set

MEET



**Code 15478**  
MILO panel  
audio set

MEET



**Code 15490**  
1/W MILO panel  
front cover set

MEET



**Code 15492**  
1/W MILO panel  
camera

MEET



**Code 9376**  
MEET guard unit  
reparation set

MEET



**Code 15506**  
7" TFT monitor  
(WIT, MIO)

MEET



**Code 15507**  
10" TFT monitor  
(WIT, MIO)

MEET



**Code 15512**  
Monitor audio set  
(WIT, MIO)

MEET



**Code 15515**  
MEET Monitors  
accessories

MEET



**Code 952701**  
MEET MIO 10"  
monitor white

MEET



**Code 15517**  
NEO TFT 7"  
monitor

MEET



**Code 15519**  
Audio monitor NEO  
set

MEET



**Code 15453**  
MARINE MEET panel  
proximity reader  
visor

MEET



**Code 15451**  
MARINE MEET  
panel lens

MEET



**Code 15452**  
MARINE MEET  
panel camera

MEET



**Code 9536**  
MILO directory  
panel MEET

MEET



**Code 15430**  
KIN panel front  
cover set

MEET

DUOX



**Code 3244**  
DUOX filter 18VDC

DUOX



**Code 3253**  
2/W DUOX v3  
regenerator

DUOX



**Code 3256**  
1/W DUOX v3  
regenerator

DUOX



**Code 3259**  
1/W DUOX v3  
multichannel  
regenerator

DUOX

## PALACE



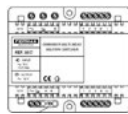
**Code 9017**  
Multiway BUS3  
switcher

PALACE



**Code 88039**  
Multiway BUS-3  
power supply 230V

PALACE



**Code 8817**  
CITYMAX multiway  
switcher

PALACE



**Code 8084**  
CITYMAX PALACE  
BUS 3 telephone

PALACE

## BUS2



**Code 3241**  
4/W BUS2  
distributor

BUS2



**Code 3245**  
BUS2/MDS  
decoder

BUS2



**Code 3246**  
BUS2 panel  
switcher

BUS2



**Code 3247**  
BUS2 relay  
module

BUS2



**Code 3248**  
BUS2 trunk shunt

BUS2



**Code 3263**  
4/W BUS2 mini  
distributor

BUS2



**Code 3243**  
BUS2 Power supply  
adapter

GENÉRICO



**Code 3249**  
BUS2 regenerator

BUS2

## VDS



**Code 2448**  
2 Ways video  
distributor

4+N / VDS



**Code 2449**  
4 Ways video  
distributor

4+N/VDS



**Code 2450**  
VDS video switcher

VDS



**Code 3260**  
2 Ways video mini  
distributor

VDS



**Code 3262**  
4 ways video mini  
distributor

VDS



**Code 3265**  
VDS TESTER

4+N/VDS



**Code 3264**  
Doorlock AC  
Activator

VDS



**Code 2472**  
8/W cameras video  
selector

GENÉRICO



**Code 6080**  
Camera adapter  
18/12Vdc/dc

VDS



**Code 4110**  
Video signal  
amplifier

GENÉRICO



## VDS



**Code 4614**  
Video selector

VDS

## MDS



**Code 1300**  
MDS/4+N  
minidecoder

MDS



**Code 2426**  
4/W audio  
isodecoder

MDS



**Code 2440**  
MDS CITY CLASSIC  
digitizer module

MDS



**Code 24050**  
MDS central unit  
W/MEMORIES

MDS



**Code 2532**  
CITYMAX guard  
unit MDS DIRECT/  
CITY

MDS



**Code 1345**  
Fiber optics  
converter

MDS



**Code 2418**  
4/W MDS video  
distributor

MDS



**Code 2419**  
8/W MDS video  
distributor

MDS



**Code 2429**  
8/W MDS/AC+  
sensor decoder  
DIN10

MDS



**Code 2443**  
MDS DIRECT/CITY  
1 access switcher

MDS



**Code 1087**  
IP remote  
management  
module

MDS

## OTHER ACCESSORIES



**Code 9364**  
SET FERMAX  
installation device  
strips

GENERIC



**Code 9363**  
SET FERMAX  
terminal  
connection strips

GENERIC

# Spare parts Equivalence / Spare Parts Code

## DUOX MONITORS (VERSIONS 10.10 TO 12.13)

| DESCRIPTION    | SPARE PART CODE | OBSOLETE |
|----------------|-----------------|----------|
| VEO Monitor    | 9299            | 9405     |
| VEO XS Monitor | 9299 + 9402*    | 9408     |
| LOFT Monitor   | 9299 + 9402*    | 3412     |
| iLoft Monitor  | 9299 + 9402*    | 5602     |

(\*) Compatible wall connector, requires green terminal block from previous monitor.

## DUOX VIDEO PANELS v3.0 and previous versions (amplifier versions 10.10 to 33.43)

| DESCRIPTION                                     | SPARE PART CODE | OBSOLETE                                             |
|-------------------------------------------------|-----------------|------------------------------------------------------|
| Pushbutton CITY DUOX audio amplifier v3.0/24V   | 9321            | 980917/980931/980932/9<br>80933/981032/981033/981034 |
| Amplifier AUDIO CITY DUOX PLUS keyboard         | 9322            | 980934/980935/980987/98099/980916                    |
| Keypad MARINE DUOX video amplifier v3.0/18V     | 9281            | 9791                                                 |
| Pushbutton MARINE DUOX video amplifier v3.0/18V | 9282            | 9792                                                 |
| Pushbutton CITY DUOX video amplifier v3.0/18V   | 9279            | 9789                                                 |
| Keypad CITY DUOX video amplifier v3.0/18V       | 9280            | 9790                                                 |
| SKYLINE DUOX video amplifier W v3.0/18V         | 9327            | 7391                                                 |
| DUOX SKYLINE display v21.23                     | 7450            | 7450                                                 |
| DUOX CITYLINE display v21.23                    | 9804            | 980564                                               |
| DUOX MARINE display v21.23                      | 9310            | 98565                                                |

## DUOX PLUS VIDEO PANELS (amplifier versions 40.10 and later versions)

| DESCRIPTION                                 | SPARE PART CODE | OBSOLETE                              |
|---------------------------------------------|-----------------|---------------------------------------|
| 2 pushbutton CITY DUOX PLUS audio amplifier | 9346            | 981032 / 981033                       |
| Keypad CITY DUOX PLUS audio amplifier       | 9347            | 981028                                |
| Keypad MARINE DUOX PLUS video amplifier     | 9325            | 980945                                |
| Pushbutton MARINE DUOX PLUS video amplifier | 9326            | 980946                                |
| Keypad 1/W MARINE DUOX PLUS video amplifier | 9286            | 980968                                |
| Pushbutton CITY DUOX PLUS video amplifier   | 9323            | 980941/980941<br>980942/980942/980965 |
| Keypad CITY DUOX PLUS video amplifier       | 9324            | 980943                                |
| Keypad 1/W CITY DUOX PLUS video amplifier   | 9328            | 980947                                |
| DUOX PLUS MARINE display                    | 9284            | 981018                                |
| DUOX PLUS CITYLINE display                  | 9283            | 981017                                |
| DUOX SKYLINE display v21.23                 | 7470            | 7450                                  |
| DUOX CITYLINE display v21.23                | 9804            | 980564                                |
| DUOX MARINE display v21.23                  | 9310            | 98565                                 |

## CITY CLASSIC PANELS

| DESCRIPTION                                        | SPARE PART CODE | OBSOLETE               |
|----------------------------------------------------|-----------------|------------------------|
| 4+N Kit Amplifier (without voice synthesizer)      | 9695            | 1141/98600/95161/98027 |
| 4+N Building Amplifier (without voice synthesizer) | 9696            | 1160/98589/98002/98007 |
| VDS Amplifier                                      | 9697            | 1145/99217/98399/98549 |
| VDS/BUS2 Display Module                            | 9614            | 98471C                 |
| MDS Direct Display                                 | 9615            | 98617                  |
| MDS Digital Display                                | 9616            | 98227                  |
| VDS Direct Keypad                                  | 9617            | 98545                  |
| VDS Digital Keypad                                 | 9618            | 98475                  |
| MDS Direct Keypad                                  | 9619            | 98625B                 |
| MDS Digital Keypad                                 | 9620            | 98208B                 |
| 100C Memokey Keypad                                | 9621            | 98087C                 |

## CITYMAX PANEL

| DESCRIPTION                                 | SPARE PART CODE | OBSOLETE   |
|---------------------------------------------|-----------------|------------|
| 4+N Amplifier Module                        | 9678            | 2500/99131 |
| VDS Amplifier Module                        | 9684            | 1146/2514  |
| 1+N Citymax Amplifier Module                | 9715            | 5004/98906 |
| 1+N Flat Amplifier Module                   | 9716            | 1108/99342 |
| Colour City Classic / Citymax Camera Module | 9671            | 2490       |
| MDS Proximity Citymax Module                | 9659            | 2260/2560  |
| Citymax Module W/O Pushbuttons              | 9672            | 2501       |
| 4+N 101 Pushbutton Module                   | 9679            | 2502       |
| 4+N 102 Pushbutton Module                   | 9680            | 2503       |
| 4+N 103 Pushbutton Module                   | 9681            | 2504       |
| 4+N 201 Pushbutton Module                   | 9694            | 2505       |
| 4+N 202 Pushbutton Module                   | 9682            | 2506       |
| 4+N 203 Pushbutton Module                   | 9683            | 2507       |
| VDS 101 Pushbutton Module                   | 9685            | 2508       |
| VDS 102 Pushbutton Module                   | 9686            | 2509       |
| VDS 103 Pushbutton Module                   | 9687            | 2510       |
| VDS 201 Pushbutton Module                   | 9688            | 2511       |
| VDS 202 Pushbutton Module                   | 9689            | 2512       |
| VDS 203 Pushbutton Module                   | 9690            | 2513       |

# Spare parts Equivalence / Spare Parts Code

## CITYLINE PANEL

| DESCRIPTION                                     | SPARE PART CODE | OBSOLETE                                                                           |
|-------------------------------------------------|-----------------|------------------------------------------------------------------------------------|
| 2 Pushbutton CITY DUOX Audio Amplifier v3.0/24V | 9321            | 980917/980931/980932/980933                                                        |
| Keypad CITY DUOX Audio Amplifier v3.0/24V       | 9322            | 980934/980935/980987/980997/980916                                                 |
| 2 Pushbutton CITY DUOX PLUS video amplifier     | 9323            | 980941/980941/980942/980942/980965                                                 |
| Keypad CITY DUOX PLUS video amplifier           | 9324            | 980943                                                                             |
| Keypad 1/W CITY DUOX PLUS video amplifier       | 9328            | 980947                                                                             |
| 2/W 4+N Audio Amplifier                         | 9734            | 4844/4846/4852/4854/4856/4858/98007<br>8980371/980373/980375/980377<br>98187/99976 |
| 2/W 4+N Audio City Amplifier                    | 6975            | 6973/6974/6975/99583/99584/99585<br>99575/99976/99881                              |
| 2/W Colour 4+N Video CITY Amplifier             | 6978            | 6976/6977/6978/99588/99589<br>99594/99586/99587/99595                              |
| 2/W Colour Video Amplifier CITY VDS Kit         | 9775            | 980415/980419/980420/980414                                                        |
| 2/W VDS Audio CITY Amplifier                    | 6966            | 6964/6965/6966/99054/99034/99566                                                   |
| 2/W Colour VDS Video CITY Amplifier             | 6969            | 6967/6968/6969/99052/99033/99567<br>99053/99032/99568                              |
| VDS Audio CITY Keypad Amplifier                 | 6962            | 6962/980428                                                                        |
| VDS Video CITY Keypad Amplifier                 | 6963            | 6963/980429                                                                        |
| 2/W BUS2 Audio CITY Amplifier                   | 6984            | 6982/6983/6984/99569/99570<br>99571/99931/98578"                                   |
| 2/W Colour BUS2 Video CITY Amplifier            | 6987            | 6985/6986/6987/99573/99574<br>99572/99930/98611                                    |
| DUOX CITYLINE display v21.23                    | 9804            | 73811/73818/73851/73852/73871<br>73878/980564                                      |
| MDS CITYLINE Display Digital                    | 9610            | 99626B                                                                             |
| VDS/BUS2 CITYLINE Digital Display               | 9611            | 99622E                                                                             |
| MDS/VDS/BUS2 Digital Keypad                     | 9642            | 99612B                                                                             |
| Direct keypad (B) + mounting accessories set    | 9308            | 980512                                                                             |
| MDS/VDS/BUS2/DUOX Digital Keypad                | 9728            | 99610                                                                              |
| CITYLINE Memokey Keypad                         | 9613            | 6991/99632E                                                                        |



## MARINE CLASSIC PANELS

| DESCRIPTION                         | SPARE PART CODE | OBSOLETE        |
|-------------------------------------|-----------------|-----------------|
| 4+N AUDIO amplifier                 | 9622            | 1143/1360/98866 |
| VDS AUDIO amplifier                 | 9623            | 1149/1361/99318 |
| Colour MARINE CLASSIC camera module | 9625            | 1363/99950      |
| MDS Display digital                 | 9626            | 1120/99128      |
| VDS/BUS2 Digital Keypad             | 9629            | 1123/99114      |

## MARINE PANELS

| DESCRIPTION                                  | SPARE PART CODE | OBSOLETE                                        |
|----------------------------------------------|-----------------|-------------------------------------------------|
| Keypad Marine DUOX PLUS Video Amplifier      | 9325            | 980945                                          |
| Pushbutton Marine DUOX PLUS Video Amplifier  | 9326            | 980946                                          |
| Keypad 1/W Marine DUOX PLUS Video Amplifier  | 9286            | 980968                                          |
| 4+N Marine Audio Amplifier                   | 9634            | 980380                                          |
| 4+N Marine Video Amplifier                   | 9637            | 980382                                          |
| VDS Marine Video Amplifier                   | 9703            | 5494/54337/54347<br>54357/54367/54377<br>980381 |
| VDS Marine Audio Amplifier                   | 9713            | 54333/54343/980379                              |
| VDS Marine Audio Keypad Amplifier            | 9635            | 980384                                          |
| VDS Marine Video Keypad Amplifier            | 9638            | 980385                                          |
| BUS2 Marine Audio Amplifier                  | 9636            | 980378                                          |
| BUS2 Marine Video Amplifier                  | 9639            | 980259                                          |
| DUOX Marine Display v21.23                   | 9310            | 980565                                          |
| MDS Marine Display                           | 9641            | 980383                                          |
| VDS Marine Display Module                    | 9771            | 1159/99184                                      |
| VDS/BUS2 Marine display                      | 9640            | 980260D                                         |
| Cityline Digital Keypad                      | 9642            | 99612B                                          |
| Marine Digitizer Module                      | 9805            | 980507                                          |
| Direct Keypad (B) + Mounting Accessories Set | 9308            | 980512                                          |
| Proximity Reader Marine                      | 9667            | 980387                                          |
| Cityline Memokey Keypad                      | 9613            | 99632E                                          |
| Marine One To One Module                     | 9643            | 980261B                                         |

# Spare parts Obsolete / Spare Parts Codes Equivalences

| REF.<br>OBSOLETE | REF.<br>SPARE PARTS | DESCRIPTION                                       |
|------------------|---------------------|---------------------------------------------------|
| 1108             | 9716                | 1+N flat amplifier module                         |
| 1123             | 9629                | VDS/BUS2 Digital Keypad                           |
| 1141             | 9695                | 4+N Kit City Classic Amplifier w/o Synthesizer    |
| 1143             | 9622                | 4+N Marine Classic Amplifier Module               |
| 1145             | 9697                | VDS City Classic Amplifier                        |
| 1146             | 9684                | VDS Citymax Amplifier Module                      |
| 1149             | 9623                | VDS Marine Classic Amplifier Module               |
| 1159             | 9771                | VDS Marine Display Module                         |
| 1160             | 9696                | 4+N City Classic Building Amplif. w/o Synthesizer |
| 1360             | 9622                | 4+N Marine Classic Amplifier Module               |
| 1361             | 9623                | VDS Marine Classic Amplifier Module               |
| 1363             | 9625                | Colour Marine Classic Camera Module               |
| 2260             | 9659                | MDS Proximity Citymax Module                      |
| 2490             | 9671                | Clour Citymax Camera Module                       |
| 2500             | 9678                | 4+N Citymax Amplifier Module                      |
| 2501             | 9672                | Citymax Module W/O Pushbuttons                    |
| 2502             | 9679                | 4+N 101 Citymax Pushbutton Module                 |
| 2503             | 9680                | 4+N 102 Citymax Pushbutton Module                 |
| 2504             | 9681                | 4+N 103 Citymax Pushbutton Module                 |
| 2505             | 9694                | 4+N 201 Citymax Pushbutton Module                 |
| 2506             | 9682                | 4+N 202 Citymax Pushbutton Module                 |
| 2507             | 9683                | 4+N 203 Citymax Pushbutton Module                 |
| 2508             | 9685                | VDS 101 Citymax Pushbutton Module                 |
| 2509             | 9686                | VDS 102 Citymax Pushbutton Module                 |
| 2510             | 9687                | VDS 103 Citymax Pushbutton Module                 |
| 2511             | 9688                | VDS 201 Citymax Pushbutton Module                 |
| 2512             | 9689                | VDS 202 Citymax Pushbutton Module                 |
| 2513             | 9690                | VDS 203 Citymax Pushbutton Module                 |
| 2514             | 9684                | VDS Citymax Amplifier Module                      |
| 2560             | 9659                | MDS Proximity Citymax Module                      |
| 5004             | 9715                | 1+N Citymax Amplifier Module                      |
| 6962             | 6962                | VDS audio CITY keypad amplifier                   |
| 6963             | 6963                | VDS video CITY keypad amplifier                   |
| 6964             | 6966                | 2/W VDS audio CITY amplifier                      |
| 6965             | 6966                | 2/W VDS audio CITY amplifier                      |
| 6966             | 6966                | 2/W VDS audio CITY amplifier                      |
| 6967             | 6969                | 2/W colour VDS video CITY amplifier               |
| 6968             | 6969                | 2/W colour VDS video CITY amplifier               |
| 6969             | 6969                | 2/W colour VDS video CITY amplifier               |
| 6973             | 6975                | 2/W 4+N audio CITY amplifier                      |
| 6974             | 6975                | 2/W 4+N audio CITY amplifier                      |
| 6975             | 6975                | 2/W 4+N audio CITY amplifier                      |
| 6976             | 6978                | 2/W colour 4+N video CITY amplifier               |
| 6977             | 6978                | 2/W colour 4+N video CITY amplifier               |
| 6978             | 6978                | 2/W colour 4+N video CITY amplifier               |
| 6982             | 6984                | 2/W BUS2 audio CITY amplifier                     |

| REF.<br>OBSOLETE | REF.<br>SPARE PARTS | DESCRIPTION                                       |
|------------------|---------------------|---------------------------------------------------|
| 6983             | 6984                | 2/W BUS2 audio CITY amplifier                     |
| 6984             | 6984                | 2/W BUS2 audio CITY amplifier                     |
| 6985             | 6987                | 2/W colour BUS2 video CITY amplifier              |
| 6986             | 6987                | 2/W colour BUS2 video CITY amplifier              |
| 6987             | 6987                | 2/W colour BUS2 video CITY amplifier              |
| 6991             | 9613                | Cityline Memokey Keypad                           |
| 7454             | 9613                | Cityline Memokey Keypad                           |
| 95161            | 9695                | 4+N Kit City Classic Amplifier w/o Synthesizer    |
| 98002            | 9696                | 4+N City Classic Building Amplif. w/o Synthesizer |
| 98007            | 9696                | 4+N City Classic Building Amplif. w/o Synthesizer |
| 98027            | 9695                | 4+N Kit City Classic Amplifier w/o Synthesizer    |
| 98087            | 9621                | City Classic100C Memokey Keypad                   |
| 98098            | 9621                | City Classic100C Memokey Keypad                   |
| 98187            | 9734                | Audio 2/W City 4+N Kit Amplifier                  |
| 98208            | 9620                | MDS City Classic Digital Keypad Module            |
| 98227            | 9616                | MDS City Classic Display Digital Module           |
| 98399            | 9697                | VDS City Classic Amplifier                        |
| 98471            | 9614                | VDS/BUS2 City Classic Module Display              |
| 98475            | 9618                | VDS City Classic Digital Keypad Module            |
| 98545            | 9617                | VDS City Classic Direct Keypad Module             |
| 98549            | 9697                | VDS City Classic Amplifier                        |
| 98578            | 6984                | 2/W BUS2 audio CITY amplifier                     |
| 98589            | 9696                | 4+N City Classic Building Amplif. w/o Synthesizer |
| 98600            | 9695                | 4+N Kit City Classic Amplifier w/o Synthesizer    |
| 98611            | 6987                | 2/W colour BUS2 video CITY amplifier              |
| 98617            | 9615                | MDS City Classic Display Direct Amplifier         |
| 98625            | 9619                | MDS City Classic Keypad Direct Amplifier          |
| 98866            | 9622                | 4+N Marine Classic Amplifier Module               |
| 98906            | 9715                | 1+N Citymax Amplifier Module                      |
| 99032            | 6969                | 2/W colour VDS video CITY amplifier               |
| 99033            | 6969                | 2/W colour VDS video CITY amplifier               |
| 99034            | 6966                | 2/W VDS audio CITY amplifier                      |
| 99052            | 6969                | 2/W colour VDS video CITY amplifier               |
| 99053            | 6969                | 2/W colour VDS video CITY amplifier               |
| 99054            | 6966                | 2/W VDS audio CITY amplifier                      |
| 99114            | 9629                | VDS/BUS2 Digital Keypad                           |
| 99131            | 9678                | 4+N Citymax Amplifier Module                      |
| 99184            | 9771                | VDS Marine Display Module                         |
| 99217            | 9697                | VDS City Classic Amplifier                        |
| 99318            | 9623                | VDS Marine Amplifier Module                       |
| 99342            | 9716                | 1+N flat amplifier module                         |
| 99566            | 6966                | 2/W VDS audio CITY amplifier                      |
| 99567            | 6969                | 2/W colour VDS video CITY amplifier               |

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| 99568             | 6969                | 2/W colour VDS video CITY amplifier    |
| 99569             | 6984                | 2/W BUS2 audio CITY amplifier          |
| 99570             | 6984                | 2/W BUS2 audio CITY amplifier          |
| 99571             | 6984                | 2/W BUS2 audio CITY amplifier          |
| 99572             | 6987                | 2/W colour BUS2 video CITY amplifier   |
| 99573             | 6987                | 2/W colour BUS2 video CITY amplifier   |
| 99574             | 6987                | 2/W colour BUS2 video CITY amplifier   |
| 99575             | 6975                | 2/W 4+N audio CITY amplifier           |
| 99583             | 6975                | 2/W 4+N audio CITY amplifier           |
| 99584             | 6975                | 2/W 4+N audio CITY amplifier           |
| 99585             | 6975                | 2/W 4+N audio CITY amplifier           |
| 99586             | 6978                | 2/W colour 4+N video CITY amplifier    |
| 99587             | 6978                | 2/W colour 4+N video CITY amplifier    |
| 99588             | 6978                | 2/W colour 4+N video CITY amplifier    |
| 99589             | 6978                | 2/W colour 4+N video CITY amplifier    |
| 99594             | 6978                | 2/W colour 4+N video CITY amplifier    |
| 99595             | 6978                | 2/W colour 4+N video CITY amplifier    |
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| 99612             | 9642                | Cityline Digital Keypad                |
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| 99626             | 9610                | MDS Cityline Display Digital           |
| 99632             | 9613                | Cityline Memokey Keypad                |
| 99881             | 6975                | 2/W 4+N audio CITY amplifier           |
| 99930             | 6987                | 2/W colour BUS2 video CITY amplifier   |
| 99931             | 6984                | 2/W BUS2 audio CITY amplifier          |
| 99950             | 9625                | Colour Marine Classic Camera Module    |
| 99976             | 6975                | 2/W 4+N audio CITY Amplifier           |
| 99976             | 9734                | Audio 2w City 4+N Kit Amplifier        |
| 980078            | 9734                | Audio 2w City 4+N Kit Amplifier        |
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| 980373            | 9734                | Audio 2w City 4+N Kit Amplifier        |
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| 980380            | 9634                | 4+N Set Amplificador Audio             |
| 980381            | 9703                | VDS Marine Video Amplifier             |
| 980382            | 9637                | 4+N Marine Video Amplifier             |
| 980383            | 9641                | MDS Marine Display                     |
| 980384            | 9635                | VDS Marine Audio Keypad Amplifier      |
| 980385            | 9638                | VDS Marine Video Keypad Amplifier      |
| 980387            | 9667                | Proximity Reader Marine                |
| 980414            | 9775                | 2W colour video amplifier CITY VDS kit |
| 980415            | 9775                | 2W colour video amplifier CITY VDS kit |
| 980419            | 9775                | 2W colour video amplifier CITY VDS kit |

| REF.<br>OBSOLETES | REF.<br>SPARE PARTS | DESCRIPTION                                  |
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| 980512            | 9308                | Direct keypad (B) + mounting accessoires set |
| 980564            | 9804                | DUOX Cityline Display V21.23                 |
| 980565            | 9310                | Digital Marine Display V21.23                |
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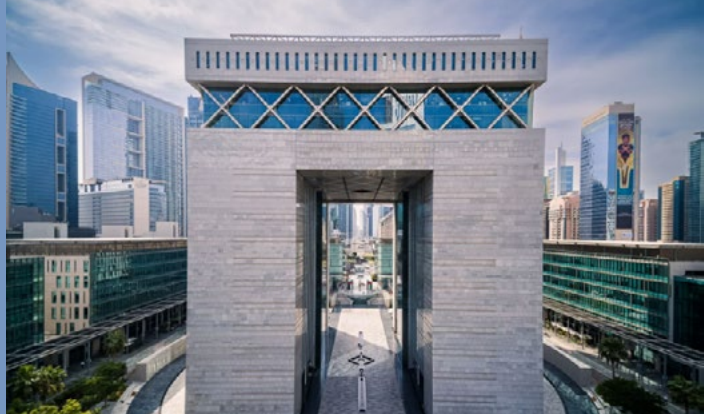
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United Arab Emirates. DIFC Tunnel



Argentina. Dome Green Soho



Portugal. Fábrika 1921



Singapore. D'Leedon



Denmark. The Silo



Colombia. Terrakota



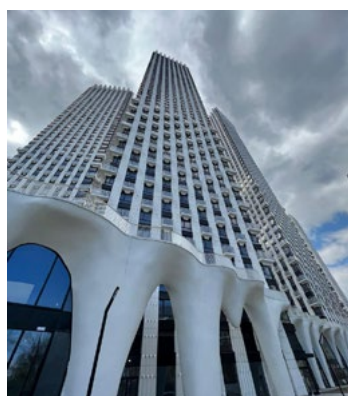
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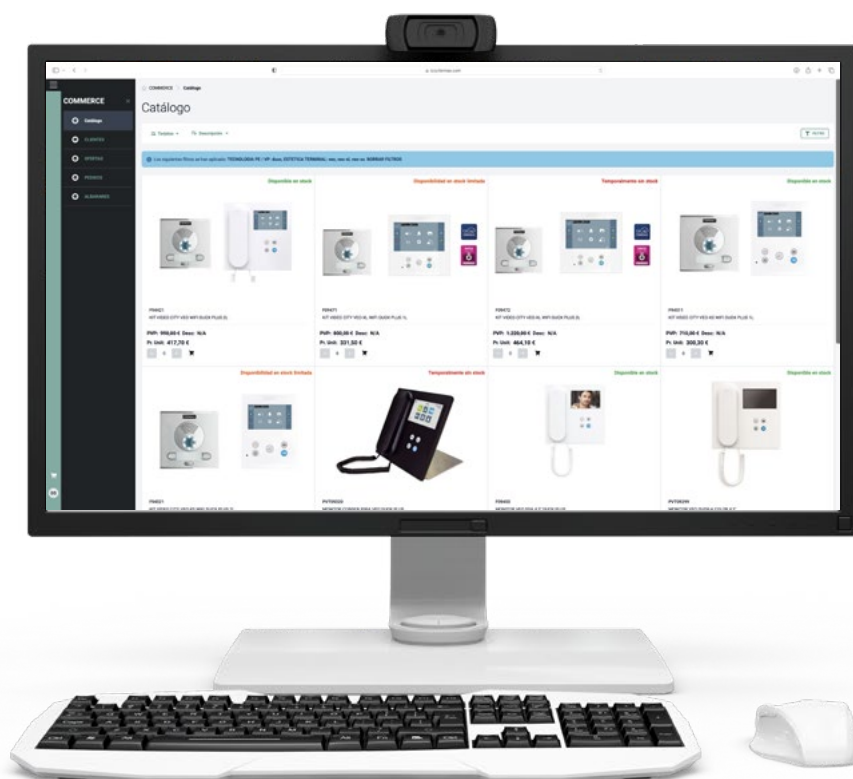
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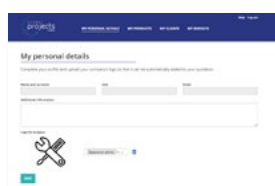




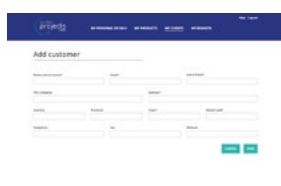
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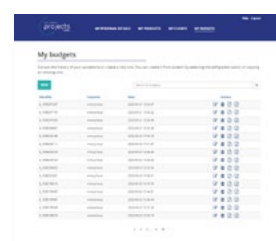
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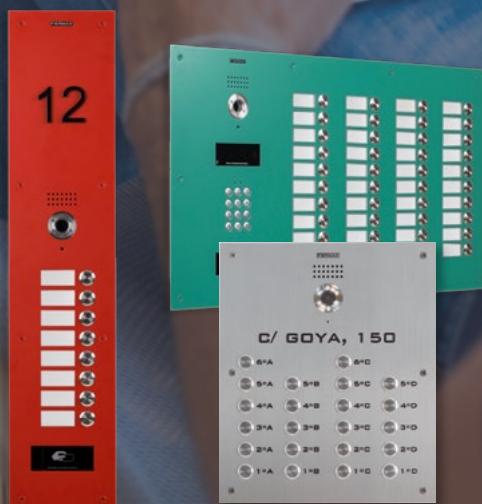
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# Notes

Handwriting practice lines consisting of 20 horizontal dotted lines.

## Notes

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Handwriting practice lines consisting of 20 horizontal dotted lines.

## COMMERCIAL CONDITIONS OF SALE

The present commercial conditions of sale shall be applicable to all sales or deliveries carried out by FERMAX, unless otherwise agreed in writing with the Buyer.

## ORDERS

Orders shall be processed exclusively through authorised distributors.

## DELIVERIES

The delivery dates agreed with FERMAX shall be considered approximate. FERMAX undertakes to do its utmost to comply with the agreed delivery dates, always provided the Buyer facilitates all correct information relating to the order and the delivery with sufficient anticipation.

The delivery term shall be reasonably extended when causes beyond the decision and control of FERMAX prevent to comply with the agreed delivery date.

## ACCEPTANCE OF GOODS

The Buyer shall review and inspect the goods, as to quality and quantity, within the maximum period of five days after the date of delivery.

## OWNERSHIP RESERVE AND RISKS

FERMAX shall continue to be the lawful owner of the Products supplied until the full payment of the agreed amounts.

Notwithstanding the above, the risks inherent to the Products supplied shall be conveyed to the Buyer from the moment the Products are delivered by FERMAX in accordance with the relevant incoterm agreed by FERMAX and the Distributor.

## PRICES

Prices do not include any indirect taxes applicable according to the legislation in force from time to time. Other taxes, duties and charges that must be applied shall be borne by the Buyer, unless otherwise agreed in writing with FERMAX.

## SHIPPING COSTS

Prices established in offers, orders, catalogues and other documents are EXWORKS prices. Prices do not include the shipping cost except otherwise clearly indicated.

## PAYMENT

Unless FERMAX and the Buyer agreed otherwise in writing, payments shall be made within the periods established by the legislation in force.

FERMAX may require the necessary guarantees to assure that the Buyer complies with all agreed payment terms and conditions, if appropriate considering the financial position of the latter.

## GUARANTEES

FERMAX shall provide guarantee during a period of 36 months following the date of the sale invoice for any original defects in the Products, subject to the terms and conditions established in the legislation in force and in these Commercial Conditions of Sale. This guarantee applies only to products purchased on or after January 1st 2022. For all products purchased before that date the guarantee period remains 24 months.

These guarantee terms apply to products sold by FERMAX ELECTRONICA Spain directly to its distributors regardless the location of purchase.

The Products processed for guarantee that do not comply with the provisions set forth in the previous paragraph shall be treated as out of guarantee. FERMAX reserves the right to apply the appropriate measures to compensate any possible damages caused.

Any deficiencies beyond the control of FERMAX shall be excluded from the guarantee and liability of the latter, specially when they are the result of normal wear, false information provided by the Buyer, inadequate maintenance, failure to observe the operating instructions, use of any inappropriate material, influence of chemical or electrolytic action or other similar causes.

The FERMAX guarantee shall be subject to the correct fulfilment of all payment terms and conditions agreed at the time of confirmation of the purchase order.

The return of the product under guarantee must be requested exclusively through the website [www.fermax.com](http://www.fermax.com), by accessing the "Warranties" section in the Private Area. Every return request must include a brief description of the fault and the serial number of the faulty product. Once the return authorisation has been received, the product will be returned to FERMAX, always accompanied by the return authorisation. FERMAX will not accept any product that is not accompanied by the corresponding return authorisation.

## GUARANTEE OF DIGITAL SERVICES AND CONTINUITY OF PROVISION

If the product supplied by FERMAX includes the provision of a digital service, the guarantee period and service continuity offered to users is 36 months from the sale of the physical product. In the event of a closure or indefinite interruption of the service, FERMAX will notify their customers and users at least 6 months in advance, always ensuring the continuity of service as stated in the previous paragraph. Likewise, if there is a substantial change in the contractual terms of service provision, FERMAX will provide at least 3 months' prior notice.

## AVAILABILITY OF SPARE PARTS

FERMAX will ensure the availability of spare parts, equivalent products or systems with similar functionality for a period of 10 years from the date an item has stopped being manufactured or has been discontinued (5 years for products discontinued before 2022). Discontinued items are notified by FERMAX to their direct customers annually, along with the updated product list. Additionally, FERMAX may inform about the discontinuation of specific products during the current year, in which case this would be notified in writing. FERMAX shall also respond for a period of 36 months from the date of the invoice to the direct Buyer for any manufacturing defects in the purchased spare parts.

## DAMAGES

Under no circumstances shall the Buyer be authorised to make contractual or extracontractual claims for damages deriving from, but not limited to, the loss of production, use, orders, profits, nor for any other direct, indirect or consequential damages.

FERMAX shall be only liable to compensate the client for the costs associated to repairing the deficiencies or incidents occurred during the process of supplying the goods that are attributable to the former.

## RETURNS

All returns of material must attach a Return Authorisation Document to be obtained from the Sales Department.

The package sent to FERMAX must be properly identified. The return authorisation number, along with its corresponding barcode provided by FERMAX, must be clearly visible on the exterior of the package.

All materials must be in mint condition and include the original packaging before any return is authorised. Depreciations may be applied according to the corresponding policies in force.

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