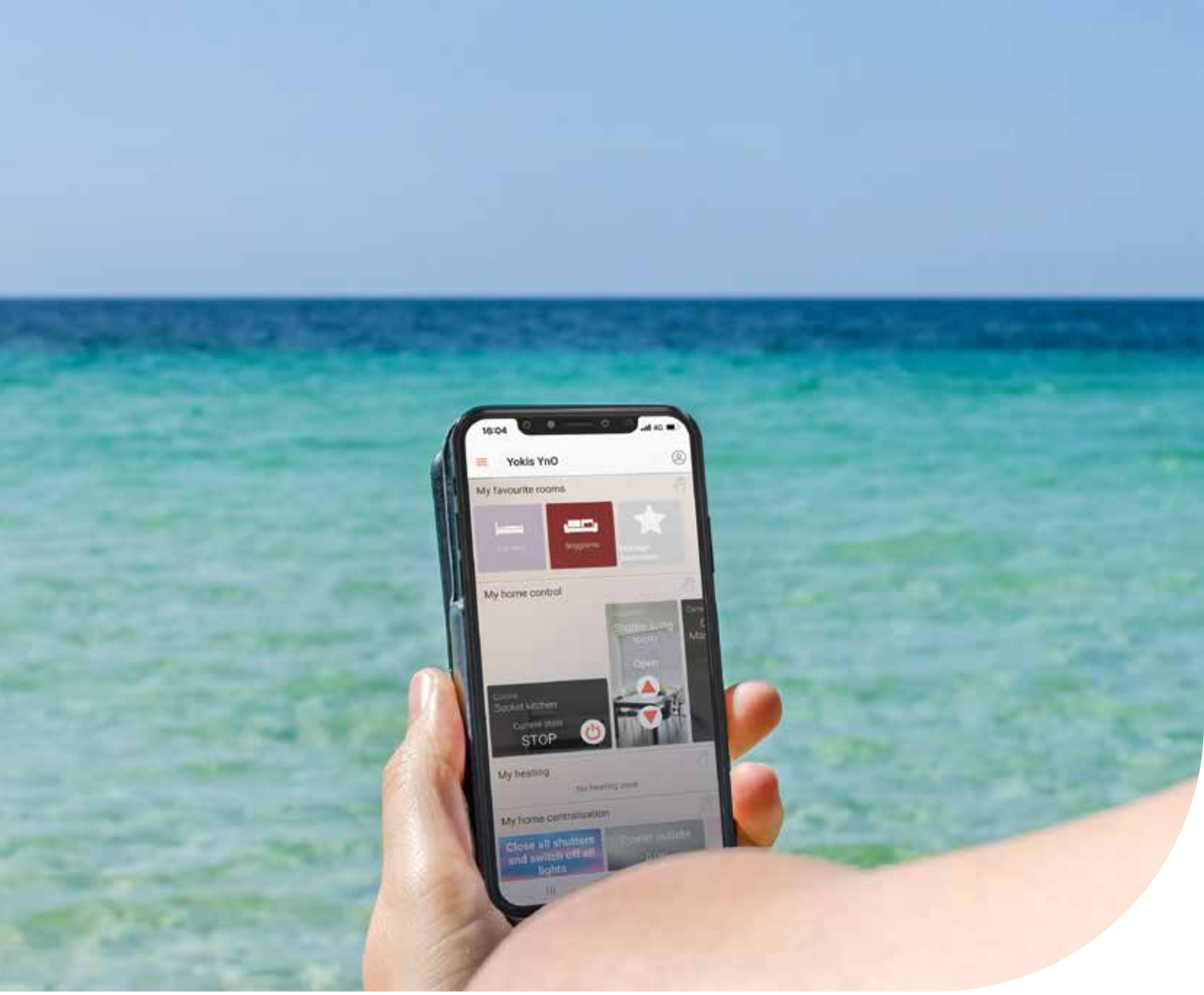
Yokis

URMET | GROUP

CATALOGUE 2022

DIGITAL MODULES FOR ELECTRIC SYSTEM AUTOMATION

IF YOU LOVE YOUR BUILDING



Yokis:
the connected electrical system

Yokis branded products have been accompanying installers for more than 15 years.
Yokis designs and manufactures electric system digital modules for residential and office buildings.
Yokis stands out from competitors because the electronic components of its products are designed in-house and the high performance of its software programmes enhance the quality and reliability of its whole range of modules.

Yokis offers many advantages to professional installers, including:
– 5-year warranty on its products
– Professional-oriented telephone technical support service
– A wide range of functions to meet the needs of all types of installations
– A widespread presence on the electrics wholesaler network
In 2014, Yokis became part of the Urmet Group, which has been engaged in the design, development and sales of building automation products and systems since 1937. Urmet Spa is a company specialising in communication and safety. It stands out for its flair for innovation ability and the development of plant systems that speed up installation and simplify function management, for residential, office and industrial buildings.

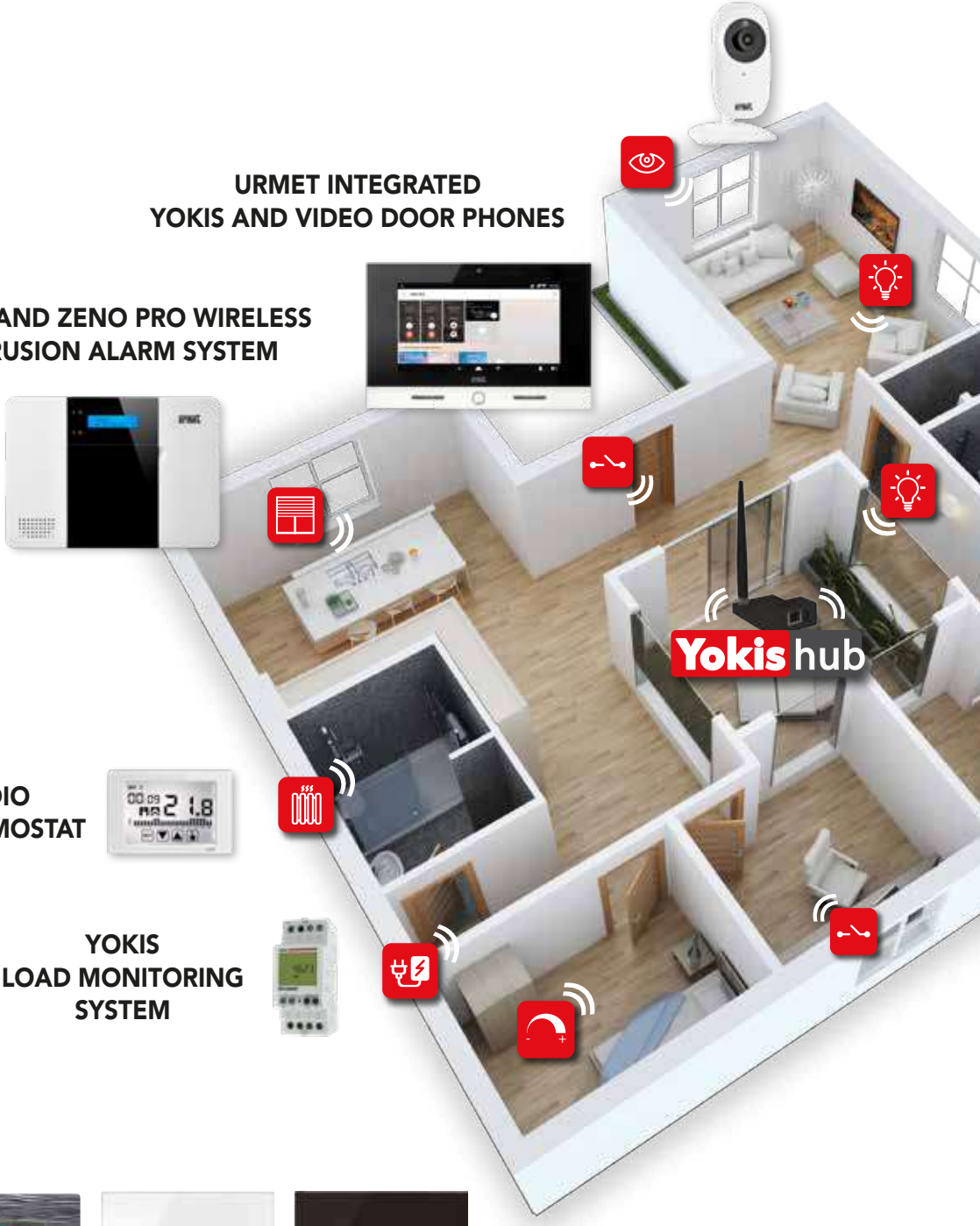
YOKIS: FROM AUTOMATION TO SMART ECOSYSTEM

VARIOUS OPTIONS AVAILABLE TO MEET THE NEEDS OF YOUR CUSTOMERS

YOKIS AND WIFI CAMERAS
URMET SMART VIDEO LINE

URMET INTEGRATED
YOKIS AND VIDEO DOOR PHONES

YOKIS AND ZENO PRO WIRELESS
INTRUSION ALARM SYSTEM



YOKIS RADIO
CHRONOTHERMOSTAT

YOKIS
LOAD MONITORING
SYSTEM

BUILT-IN
YOKIS AND NEA SYSTEM

YOKISPRO: THE PROFESSIONAL TOOL EASY, QUICK AND HIGHLY EFFICIENT

Android Application

Yokis Pro

YnO

FOR HOME CONTROL, AT ANY TIME AND IN TOTAL COMFORT

With voice commands, you can control your devices, your centralisations, and your scenarios. This is possible thanks to its compatibility with Yogis, Google Home, and Amazon Alexa.

works with alexa

works with Hey Google

9 REASONS TO CHOOSE YOKIS

1 EASIER AND FASTER INSTALLATION

Simplified wiring, no connections back to the electric panel.

2 COMPATIBLE WITH ALL WIRING SYSTEMS FOR COMPLETE FREEDOM OF CHOICE

Yokis modules can be installed in flush-mounted rectangular or round boxes (depth 40 or 50 mm) behind the pushbuttons of any wiring system.

3 FLUSH-MOUNTED WIRED AND RADIO MODULES AND DIN RAIL

Depending on the installation requirements, wired or wired and radio solutions are available in both flush-mount and DIN rail configurations.

4 SIMPLIFIED CENTRALISATION

Control CAN BE centralised for any grouping of Yokis modules via Radio Bus or pilot wire (for both wired and Yokis Radio modules).

5 MICROPROCESSOR-BASED DIGITAL MODULES

The Yokis modules are equipped with microprocessor-managed electronics capable of high performance, diverse functionalities, and simplified configuration.

6 YnO

The Yokis application provides the user with the ability to manage both locally and remotely the entire Yokis-Urmet ecosystem: a beautiful, simple, and functional app that is easy to use.

7 Yokis Pro

This free app allows installers to create and manage Yokis systems in graphic mode from a tablet, via the Yokey USB key, directly via Radio Yokis.

8 AN EVER-EXPANDING ECOSYSTEM

In addition to lighting and automation, the control of temperature and electricity costs is also available, as well as the ability to manage security devices such as cameras and intrusion alarm control units.

9 MADE IN FRANCE 5-YEAR WARRANTY

WARRANTY 5 YEARS

MADE IN EU

PRODUCT GUIDE

Through Yokis, you can realize both simple and complex installations with the same ease of wiring, thanks to a variety of products: from the wired electronic relay to the multifunction radio smart actuator.

SMART RADIO PRODUCTS (FROM PAGE 24 TO PAGE 63)

Radio actuators are very flexible, and can be used for applications requiring a simple remote control to activate a load, as well as complete smart home systems. In fact, thanks to the dialogue with Yokis Hub, the radio range is completely smart and connected.

To create centralised wireless systems, **see page 64 for the "Radio handbook"**, with programming examples of the Yokis Radio Bus.

WIRED PRODUCTS (FROM PAGE 80 TO PAGE 113)

Actuators in the wired range are ideal for simple, fast solutions that do not require remote control. The majority of wired products can be centralised using a single pilot wire and is already programmed for standard functions.

ICON KEY

Technology Radio

Smart control with YnO app

Compatible with pilot wire

Relay NO contact

Programmable timer

ON/OFF Light

Light dimmer

Automation of shutters, screens, curtain, blinds

Gate automation

Load monitoring

Temperature control

SUMMARY TABLES

SMART HOME

Name	Model	Item no.	Page
PROFESSIONAL TOOLS			
USB radio communication key for professional application Yokis Pro	YOKEY	5454491	9
Radio smartbus and Yokis Hub programming kit (includes a 10" tablet + YOKEY)	KITYPRO	5454497	9/117
HOME CONTROL SERVER			
Yokis Hub	YOKISHUB	5454495	11

URMET+YOKIS KIT

Name	Item no.	Page
Note2 one-family kit with call forwarding	1723/95	19
Note2 two-family kit with call forwarding	1723/96	19
IP villa kit with Mikra2 and Vog7	1060/633	18
IP villa kit with Alpha and Vog7	1060/643	18
2Voice one-family villa kit with vModo and Mikra2	1784/773	19

SMART SWITCHES

Name	Model	Item no.	Page
Local hybrid (wired & wireless) device for light control	MTR1300EBRP	5454811	23/25
Local hybrid (wired & wireless) shutter control device	MVR500EBRP	5454812	23/39
Radio device for light remote control	ABE2BPP ON/OFF	5454815	23
Radio device for shutter remote control	ABE2BPP UP/DOWN	5454816	23
Wired device for light centralisation	BR12M ON/OFF	5454817	23
Wired device for shutter centralisation	BR12M UP/DOWN	5454818	23

RADIO MICROMODULES

Name	Model	Item no.	Page
Timed relay 2000 W radio range	MTR2000ERP	5454462	25
Timed relay 2000 W radio range with external antenna	MTR2000ERPX	5454463	25
Timed relay 2000W DIN rail radio range	MTR2000MRP	5454464	25
Timed 2000 W range relay on radio DIN rail with external antenna	MTR2000MRPX	5454465	25
500 W radio timed dimmer with neutral wire	MTV500ERP	5454457	35
300 W radio DIN rail timed dimmer with neutral operation	MTV300MRP	5454479	35
Radio shutter micromodule	MVR500ERP	5454467	39
Radio shutter micromodule with external antenna	MVR500ERPX	5454468	39
Radio DIN rail shutter micromodule	MVR500MRP	5454469	39
Radio DIN rail shutter micromodule with external antenna	MVR500MRPX	5454470	39
Gate automation module	MAU500ERP	5454475	47
Gate automation module with external antenna	MAU500ERPX	5454476	47
Load monitoring module	MD3300ERP	5454801	51
Wired and radio smart chronothermostat	THERMARP	5454489	55

SUMMARY TABLES

RADIO TRANSMITTERS

	Name	Model	Item no.	Page
	2-channel transmitter for buttons	E2BPP	5454413	59
	2-channel transmitter for buttons with external antenna	E2BPPX	5454414	59
	4-Channel transmitter for buttons	E4BPP	5454427	59
	4-Channel transmitter for buttons with external antenna	E4BPPX	5454428	59
	WLP 1-pushbutton wall-mounted RF switch	TLM1T45P	5454417	59
	WLP 2-pushbutton wall-mounted RF switch	TLM2T45P	5454419	59
	WLP 4-pushbutton wall-mounted RF switch	TLM4T45P	5454421	59
	Wall-mounted 1-button radio transmitter	TLM1T503	5454600	59
	Wall-mounted 2-button radio transmitter	TLM2T503	5454601	59
	Wall-mounted 4-button radio transmitter	TLM4T503	5454602	59
	1-button radio Design remote control	TLC1TP	5454430	60
	2-button radio Design remote control	TLC2TP	5454431	60
	4-button radio Design remote control	TLC4TP	5454432	60
	8-button radio Design remote control	TLC8TP	5454434	60
	4-button radio Design remote control	GALET4TP	5454433	60

RADIO ACCESSORIES

	Name	Model	Item no.
	60 cm extension for external antenna	RAL60	5454083
	200 cm extension for external antenna	RAL200	5454084
	Antenna support for horizontal or vertical installation	SUP01	5454085
	Double-sided adhesive tape for TLM	ADHTLM	5454086
	Wired temperature probe for chronothermostat	THERMPROBE	5454488
	Support for TLC1-2-4-8TP	SUP TLC1-2-4TP	5454080
	Shell for TLC1-2-4-8TP	COQ TL2-4-8TP	5454087
	Package of 10 button adhesive labels	A2F	5454079

WIRED MICROMODULES

	Name	Model	Item no.	Page
	500W WITHOUT NEUTRAL			
	VERSION FOR RECESSED INSTALLATION			
	Timed relay for recessed installation	MTR500E	5454050	81
	Timer for recessed installation	MTM500E	5454051	83
	Timed dimmer for recessed installation	MTV500E	5454052	85
	Flashing light module	MTC500E	5454056	97
	DIN RAIL VERSION			
	Timed DIN rail relay	MTR500M	5454060	81
	DIN rail timer	MTM500M	5454061	83
	Timed dimmer on DIN rail	MTV500M	5454062	85
	2000W WITH NEUTRAL			
	VERSION FOR RECESSED INSTALLATION			
	Timed relay for recessed installation	MTR2000E	5454350	81
	Timer for recessed installation	MTM2000E	5454351	83
	Night-time saving module	MEP2000E	5454356	97
	DIN RAIL VERSION			
	Timed DIN rail relay	MTR2000M	5454360	81
	DIN rail timer	MTM2000M	5454361	83

SHUTTER WIRED MICROMODULE

	Name	Model	Item no.	Page
	500W			
	VERSION FOR RECESSED INSTALLATION			
	Recessed installation shutter micromodule	MVR500E	5454090	101

SUMMARY TABLES

ACCESSORIES

	Name	Model	Item no.
	MVR500E centralisation converter with fixed contact *Allows to control shutter centralisation with automation system or clock*	CVI34	5454806
	500W range centralisation converter *Allows to control 500 range module centralisation*	CVI50	5454805
	2000W range centralisation converter with fixed contact *Allows to control toggle relay centralisation with automation system or clock*	CVR12	5454807
	Double button interface *Allows you to select the up/on and down/off order with a double button (no switch)*	R12M	5454073
	Diode for centralisation/pilot wire *Allows the sending of a local command on the pilot wire to be blocked*	D600V	5454072
	230V~ overvoltage filter	FDVDT	5454075
	Electronic coil for button with light indicator (40mA) *Allows buttons with light indicators to be used on 500 range products*	BV40	5454071
	Pack of 5 intelligent resistive loads *Prevents flickering of light bulbs*	SMARTCHR	5454089
	Anti-jam accessory for MTM2000 *Ensures that the timer works even if a button is jammed*	R1500	5454074
	12V to 48V AC or DC low-voltage button adapter	ADBT	5454076
	Relay with 230V ~ coil NO 230V/0.1A contact	REL1C	5454081

YOKIS KIT

	Name	Model	Item no.	Page
	Kitypro	KITYPRO	5454497	117
	Diverter kit radio power	KITRADIOVVP	5454521	115
	Dimmer kit with radio power deviation	KITRADIOVARVVP	5454523	115
	5-shutter wired kit	WIRED SHUTTER KIT	5454554	115
	5-shutter radio power kit	RADIO SHUTTER KIT	5454556	116
	Start light kit		1054/4	116
	Smart light kit		1054/5	117
	System base kit		1054/6	116
	Connected shutter Kit		1054/7	117
	Connected light kit		1054/8	117
	Radio power load monitoring kit		1054/9	51/ 116

Smart Home

Connected, simple and functional electrical system

Thanks to the Yokis Radio line, it is possible to provide value-added solutions while preserving the simplicity of traditional installation methods.
Yokis is an ideal choice for new installations as well as for refurbishments and additions to existing systems, thanks to its easy integration and absence of dedicated wiring.

The benefit of a connected home that can be controlled via smartphone and tablet thanks to the YnO App

The Yokis solutions are very flexible, allowing you to upgrade your system and add new functions simply by adding new modules, and then spreading the costs over a period of time.

RADIO YOKIS LINE:
A FLEXIBLE, PRACTICAL AND ECONOMICAL SOLUTION

Using Yokis, you can offer a Smart Home system while maintaining the ease of use of traditional installations

- Since Yokis utilises Radio communication, it is possible to build smart systems from traditional ones without the need for building work or additional wiring.
- High expandability: because the receiver modules are able to repeat the radio signal, new receivers can be added to extend the coverage of the Yokis Radio Bus.
- Scalability without limitations: Yokis systems can be extended with new functionality by simply adding additional Yokis modules.
- Adaptable and flexible radio bus: the connections between the receivers in the Yokis Radio Bus can form a network of any type: linear, star or mixed (as explained on page 64 of the Radio handbook), which is capable of bypassing the limitations of the existing electrical system.
- Micromodule configuration can be carried out directly on the system or in workshop: transmitter data and receiver settings are saved also in case of no power supply.
- In addition, Yokis transmitters are programmable and can be configured to send all types of commands, including direct, centralisation, and scenario start, without any limitations in terms of coverage thanks to the Yokis Radio Bus.
- No specific hardware is required, all transmitters and receivers can be programmed through the keys or simply through professional app Yokis Pro and Yokey.
- Installation of the Yokis Radio line is made quick and easy by the App Yokis Pro. This includes automatic acquisition of modules, automatic creation of the Radio Bus, programming and copying of transmitters, as well as guided verification of the system.
- Generation of system test reports, detailing the information of the devices installed and the configurations made to the system.

YOKEY
5454491

YokisPro App utilises this feature to communicate with Yokis radio modules and the Yokis Hub in order to acquire and configure Yokis radio modules, as well as to build the Yokis radio bus. Yokey must be installed on Android tablets (4.4 version or later) having an OTG type micro-USB port.

YPRO KIT
5454497

YOKIS HUB
5454495

The addition of a Yokis Hub to your installation will allow your customers to create scenarios and control the entire installation remotely or locally through the YnO App.

Available as a kit!

CONNECTED SHUTTER KIT
1054/7
CONNECTED LIGHT KIT
1054/8
SMART LIGHT KIT
1054/5

For further information, refer to page 117

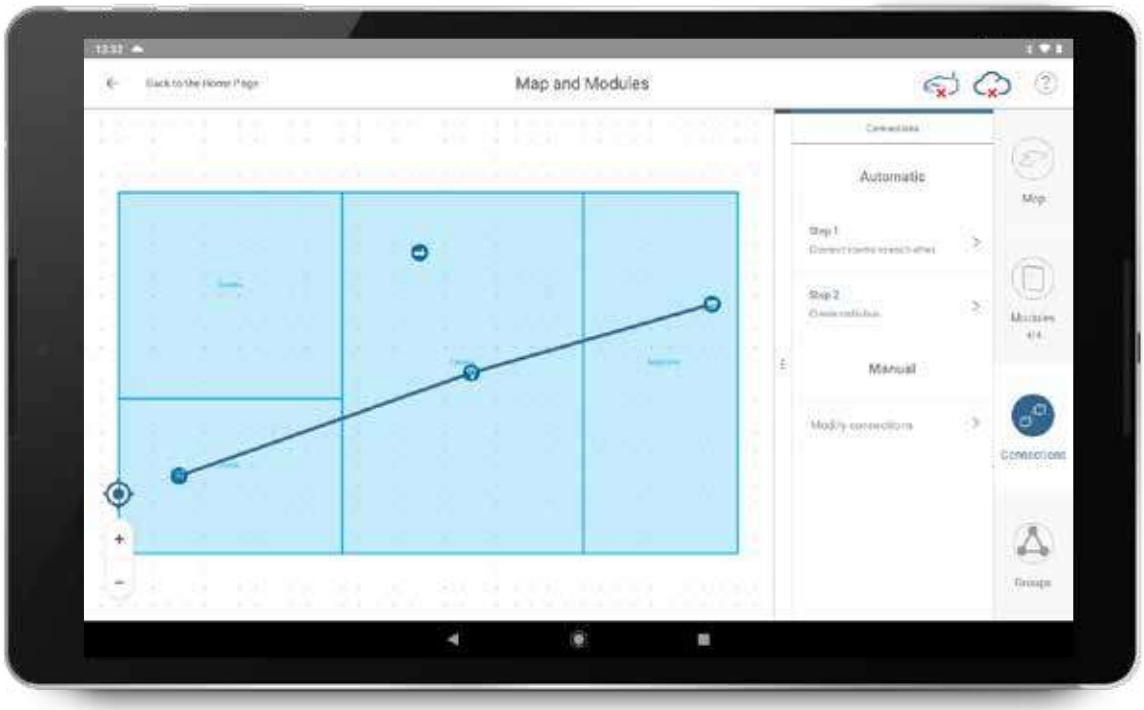
YOKISPRO: THE APP FOR PROFESSIONALS

A SIMPLE, FAST AND VERY EFFICIENT PROFESSIONAL TOOL!

INSTALLATION COMPLETED IN JUST 6 STEPS

- Design your system quickly and easily with the touch of your finger.
- YOKEY automatically detects the radio Yokis receivers. It places all modules on the plan and easily configure your installation (modules, zones, centralisation, etc.).
- YokisPro and YOKEY automatically create and optimise the Yokis Radio Bus.
- Add, set, duplicate your control points directly from your YokisPro.
- Transfer your settings to the Yokis Hub. This will enable your customers to control their homes remotely or locally using their smartphones.
- Save, share your installations securely on the Yokis Cloud.

GRAPHICAL REPRESENTATION OF THE YOKIS RADIO BUS AND MODULE MAP



YOKIS HUB IS EASY TO INSTALL AND PROGRAM

IT IS NOW POSSIBLE TO INSTALL A SMART/CONNECTED SYSTEM

Installing a Smart system without YokisPro is possible due to the FAST programming of the Yokis hub.

Step 1
Set up the Yokis Hub in learning mode

Step 2
Connect the modules to the Yokis Hub

Step 3
Built the Radio Bus between the modules

Step 4
Quit the learning mode

Step 5
Connect the Yokis Hub to the YnO application

It can be extended later, WITHOUT LIMITATION using the installation application Yokis Pro in combination with Yokis hub.

FUNCTIONS AVAILABLE ACCORDING TO YOUR SYSTEM

Creating and configuring an installation	NO	YES	YES
Automatic detection of radio receivers (Version 5 and later versions)	NO	YES	YES
Test of single receivers through the application	NO	YES	YES
Creation of zones	NO	YES	YES
System saving	NO	YES (on tablet)	YES (tablet + Yokis Hub + Yokis Cloud)
Creation of a complete end-of-work report (in pdf format)	NO	YES (through Yokis Cloud)	YES
Secure sharing of installations with members of staff	NO	YES (through Yokis Cloud)	YES
Automatic testing of the entire final installation	NO	NO	YES
Automatic creation and optimisation of the Yokis Radio bus between receivers	Manual creation	YES	YES
Number of receivers on Radio bus	Max. 10	Unlimited timing	Unlimited timing
Setting up the receivers	Partial timer only	YES	YES
Creation of centralised commands via the Yokis Hub	YES	YES	YES
Setting up the transmitters	YES	YES	YES
Creation of advanced scenarios (daily calendar, scheduled events, etc.) via ADSL module	YES	NO	YES
The ADSL module enables the use of the YnO control application both locally and remotely	YES	NO	YES

FOR THE FINAL USER:

FROM SMARTPHONE... TO HOME CONTROL

With the home installation of a Yokis Hub, it is possible to control the Yokis Smart Home from both a radio transmitter and the YnO App.
In addition to local and remote management, new functionalities are possible regarding the use of the application with Yno, Yokis Hub and Yokis Cloud.

FUNCTIONALITIES AVAILABLE TO THE CUSTOMER

- Local control of the system from a smartphone or tablet with status feedback.
- Remote home control directly on smartphone or tablet with status feedback.
- Configuration and duplication of remote controls.
- Creation of scenarios that can be sent from remote controls, smartphone/tablet or Urmet video door phone or automatically with daily calendar, scheduled events, etc.
- Creation of guest accounts (babysitter, seasonal hire, etc.) with reduced access rights and/or for a limited period with the possibility of controlling the entire system or only selected modules.
- Saving of user settings synchronised on Yokis Cloud.
- Temporary sharing of Yokis Hub data for system maintenance/update.
- Customising the application by adding photos, selecting favourites, and reorganising functionalities to suit your needs.
- Control with voice commands (Google Home or Amazon Alexa).

DISCOVER WHAT YOU CAN DO WITH YOKIS

A FREE APP TO BE ALWAYS CONNECTED WITH YOUR HOUSE

A single gesture is all it takes to open and close shutters and blinds, switch lights on and off, set the chronothermostat or check costs with the load control.
An app designed to make life more comfortable and smarter, while conveniently using your smartphone.

Varying the light intensity of a room

Turning off the light after a preset time interval

Open the shutter at a pre-set percentage

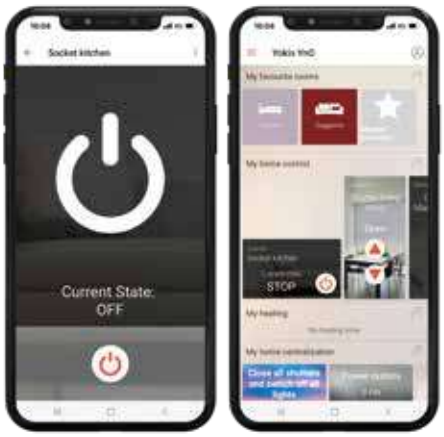
Setting up a temperature

SOLUTIONS THAT FIT YOUR HOUSE AND YOUR NEEDS PERFECTLY

MAKING LIFE SMARTER

With Yokis you can program different scenarios on the YnO App depending on the day of the week. So, from Monday to Friday the actions set for lights and shutters are activated earlier, while on weekends the shutters of the bedroom, living room and the kitchen open later, along with the radio's multi-socket.

Load monitoring



Checking a socket

Remote control of shutters and lights

Zone organisation

Creation and management of scenarios

Displaying the automatic events

Closing the gate

Create new remote controls to manage a room, device or scenario in just a few clicks

- From the YnO application, you can configure new remote controls or customise existing ones to meet the needs of all household occupants.
- Simply associate scenarios with the Yokis remote controls and activate them.

Compatible with the application YnO
Requires a Yokis hub

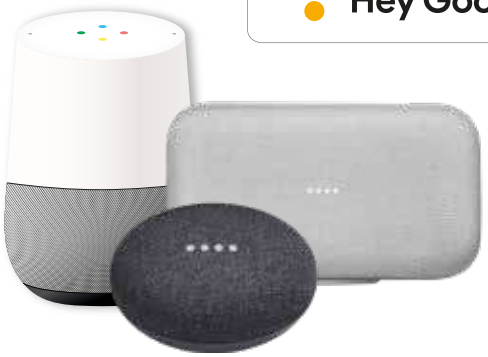
SEND COMMANDS TO SMART HOME

USING YOUR VOICE

Explore all the Yokis functions, available in Google Home or Amazon Alexa.
You can interact with your home to control everything from individual actions to centralisations and scenario activation. This can be done through voice commands, thanks to Yokis and its compatibility with Google Home or Amazon Alexa.

Yokis
URMET GROUP

works with Hey Google



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works with alexa

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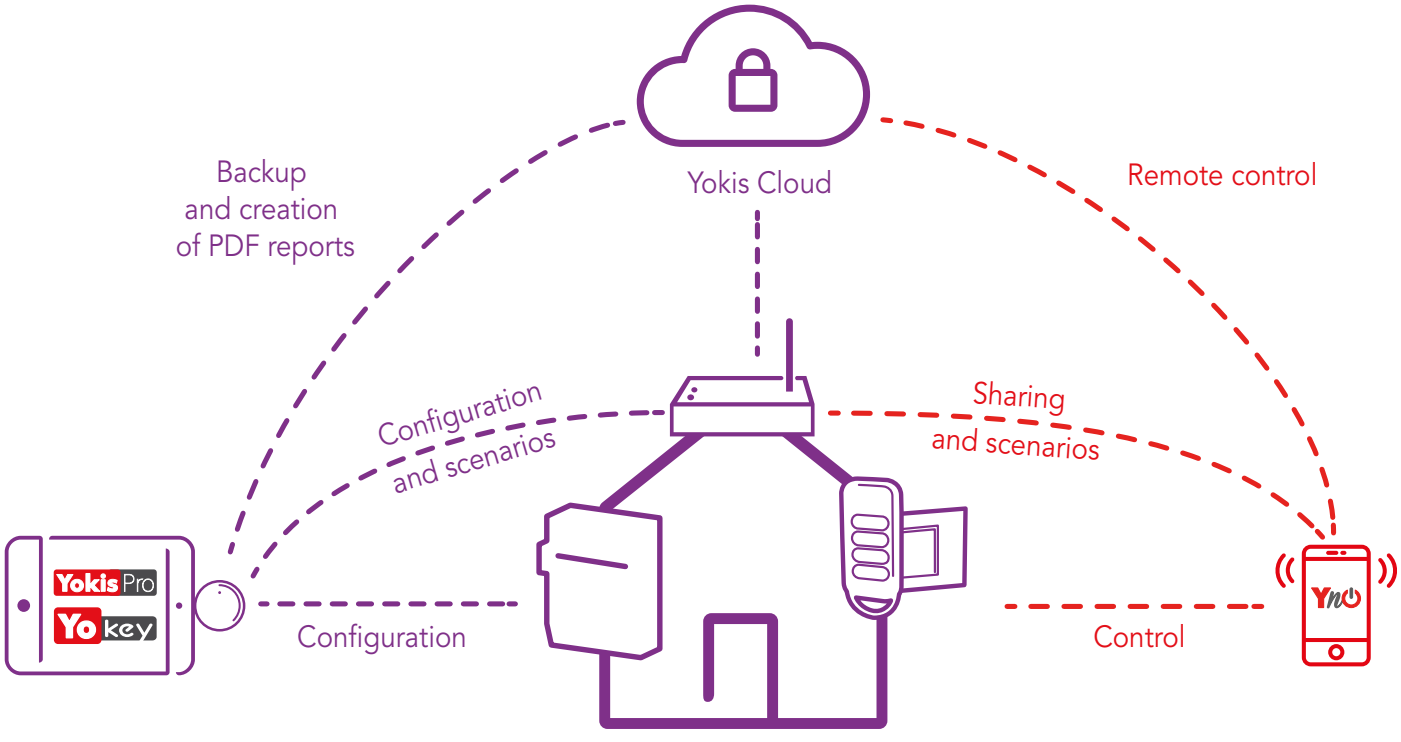
YOKIS CLOUD FUNCTIONS



Yokis intelligence in Urmet systems

With the integration of the Yokis ecosystem with the Urmet product range, it is possible to simplify home management, making it even more comfortable and secure.

Video door phones: a unique feature of the Urmet video door phones is their ability to be integrated. This allows centralisation and scenarios to be created directly on the video door phone, without additional wiring, thanks to an intuitive interface. In the case of the Vog7 video door phone, in addition to the 12 internal controls, the entire Yokis ecosystem can be managed through the YnO app.

Intrusion alarm: through the Urmet Zeno Pro control unit, accessed using the YnO App, it is possible to control the entire system or each zone, check its status, and receive notifications in the event of an intrusion.

Video surveillance: the YnO is increasingly being used as a home App, including security management. It is possible to monitor your home through notifications and the display of Urmet cameras.

Wiring system: with the integration of Yokis radio technology in the Simon Urmet wiring system, you can make your home more efficient and intelligent without sacrificing aesthetics.

URMET VIDEO DOOR PHONE INTEGRATION

urmet

VIDEO DOOR PHONE

Integrated Urmet video door phones
Urmet Vog7 and vModo video door phones feature a transmitter module that connects via radio to Yokis receiver modules of the electric system. Thanks to the integration with Yokis, it is possible to easily create centralisations and scenarios directly on the video door phone, without further wiring, through a user-friendly interface.

Yokis INSIDE

buttons for commands
from external transmitter

YnO

Vog7
Item no. 1761/31
IP 7" touchscreen video door phone

vModo
Item no. 1719/1
7" soft touch display
video door phone
Management of 2 services

vModo
Item no. 1723/97, 1723/98
7" touchscreen display
video door phone
Management of 8 services

YOKIS PRESET ON MÌRO HANDS-FREE DOOR PHONE

In addition to video and audio versions, the Mìro hands-free range can be integrated with Yokis modules:
the devices are equipped with two auxiliary outputs for connecting to an E2BPP transmitter as well as managing centralisation and scenarios of lights and shutters.

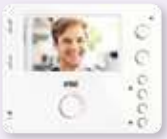
For example:

- **with the first button**, activate centralised locking of shutters.
- **with the second button**, activate light switch-off.

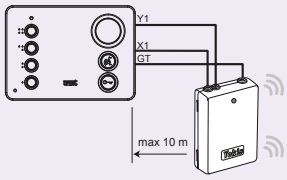
Yokis URMET GROUP READY

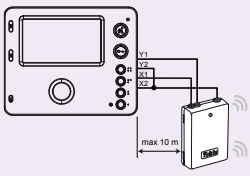
Mìro audio hands-free
Item no. 1183/7

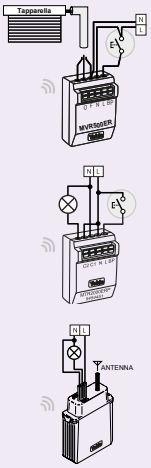
Mìro audio hands-free
Item no. 1750/5
Black



Mìro audio hands-free
Item no. 1750/6
White







URMET VIDEO DOOR PHONE INTEGRATION

urmet

URMET VIDEO DOOR PHONE KITS: SOLUTIONS FOR SINGLE AND MULTI-FAMILY APPLICATIONS.

Urmet Kits are a complete tool for home control and comfort. Furthermore, they do not require any additional devices. Through Vog7 video door phone it is possible to manage functions with voice commands and gestures, as well as forwarding calls to another user or to the gatekeeper lodge exchange.
The following features have already been installed on the video door phone:
CallMe App for call forwarding; iUVS Pro and Secure which allow you to control your cameras as well as home alarm system in a simple and intuitive way; the Yokis YnO App which allows you to manage and customise your Smart Home system.
Whether it be simple lighting control or activating an "I'm going out" scenario via voice command, all it takes is to program the "connected" features of the house on the video door phone through the YokisPro application.

IP VILLA KIT WITH ALPHA AND VOG7
1060/643

IP VILLA KIT CAN BE EXPANDED WITH CALL FORWARDING AND INTEGRATED YOKIS FUNCTIONS

The IP Villa kit includes the Alpha entry panel and the 7" touchscreen Vog7 video door phone. Simple to install and use, it also includes building automation functions thanks to the integration with the Yokis technology.

- Video door phone with 7" sensitive touch screen - Intuitive menus
- Activation of functions with voice commands and gestures
- Video file memory
- Integrated access control
- 8 + 4 function buttons with weekly programming options (lighting, shutters, scenarios)
- Yokis functions programmable via YokisPro
- Compatible with video surveillance and intrusion alarm systems
- Option: CallMe call forwarding to smartphone, other user or gatekeeper lodge exchange

IP VILLA KIT WITH MIKRA2 AND VOG7
1060/633

ONE-FAMILY IP VILLA KIT WITH CALL FORWARDING AND INTEGRATED YOKIS FUNCTIONS

The IP Villa kit includes the Mikra2 entry panel and the 7" touchscreen Vog7 video door phone. Simple to install and use, it also includes building automation functions thanks to the integration with the Yokis technology.

- Video door phone with 7" sensitive touch screen - Intuitive menus
- Activation of functions with voice commands and gestures
- Video file memory
- Integrated access control
- 8 + 4 function buttons with weekly programming options (lighting, shutters, scenarios)
- Yokis functions programmable via YokisPro
- Compatible with video surveillance and intrusion alarm systems
- Option: CallMe call forwarding to smartphone, other user or gatekeeper lodge exchange

URMET VIDEO DOOR PHONE INTEGRATION

urmet

ONE-FAMILY NOTE2 VIDEO KIT WIFI, WITH MIKRA2 ENTRY PANEL AND 2-WIRE SYSTEM VMODE VIDEO DOOR PHONE

The Note2 kit includes the Mikra2 entry panel and 7" soft touch vMode video door phone.

- ▸ Video door phone with 7" soft touch screen - Intuitive menus
- ▸ Video file memory
- ▸ Integrated access control
- ▸ 8 + 4 function buttons with weekly programming options (lighting, shutters, scenarios)
- ▸ Yokis functions programmable via YokisPro
- ▸ Video surveillance integration
- ▸ CallMe call forwarding function on smartphone

ONE-FAMILY NOTE2 KIT WITH CALL FORWARDING
1723/95

NOTE2 WIFI VIDEO TWO-FAMILY KIT, WITH MIKRA2 ENTRY PANEL AND 2-WIRE SYSTEM VMODE VIDEO DOOR PHONES

The Note2 kit includes the Mikra2 entry panel and 2 7" soft touch vMode video door phones.

- ▸ Video door phone with 7" soft touch screen - Intuitive menus
- ▸ Video file memory
- ▸ Integrated access control
- ▸ 8 + 4 function buttons with weekly programming options (lighting, shutters, scenarios)
- ▸ Yokis functions programmable via YokisPro
- ▸ Video surveillance integration
- ▸ CallMe call forwarding function on smartphone

TWO-FAMILY NOTE2 KIT WITH CALL FORWARDING
1723/96

ONE-FAMILY VILLA KIT WITH VMODE COLOUR VIDEO DOOR PHONE

The kit includes the Mikra2 entry panel and 7" vMode video door phone.

- ▸ Video door phone with 7" soft touch screen
- ▸ Video file memory
- ▸ 2 Yokis building automation controls

ONE-FAMILY 2 VOICE VILLA KIT WITH VMODE AND MIKRA2
1784/773

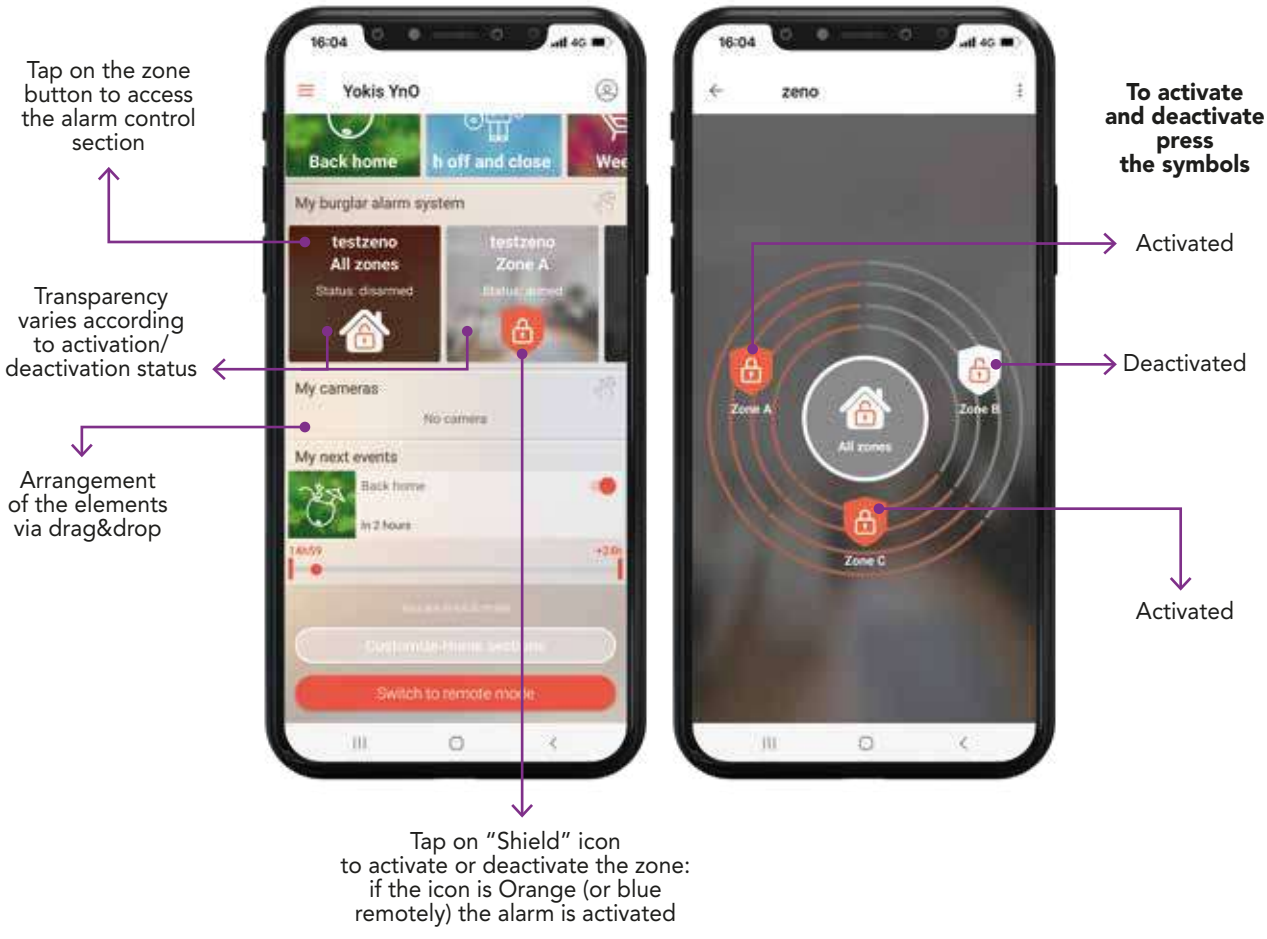
URMET INTRUSION ALARM INTEGRATION

INTEGRATION WITH WIRELESS ZENO PRO INTRUSION ALARM CONTROL UNIT

- Interaction via YnO App (= via cloud) with the following set of functions:
  - Information on the status of the control unit
  - Alarm notifications
  - Total or partial activation of the control unit
  - Total or partial deactivation of the control unit
  - Reset of alarm events
  - Remote enabling/disabling of access
  - Remote enabling/disabling of system
  - Enabling/disabling of notifications
- Installation via MyZeno App
- Management via YnO App, both locally and remotely

YNO APP INTEGRATION WITH ZENO PRO INTRUSION ALARM CONTROL UNIT

New section: "my alarm system"



INTEGRATION OF URMET VIDEO SURVEILLANCE CAMERAS

urmet

INTEGRATION WITH URMET VIDEO SMART WIFI CAMERAS

Yno READY

Common features

- Start of recording /snapshot
- Viewing video streaming both locally and remotely
- Remote playback
- Alarm playback
- Push notifications
- Event notifications (motion detection)
- Daily history of motion detection events
- Sending and receiving camera audio
- Installation via V-Stream App
- Installation via YnO App, both locally and remotely (with Yokis Hub)

CUBE WIFI
item no.
1099/209

BULLET WIFI
item no.
1099/214

APP YNO INTEGRATION WITH URMET VIDEO SMART WIFI CAMERAS

New section: "my cameras"

Arrangement of the elements via drag&drop

Background: shows the snapshot taken during the last consultation

Tap on the zone button to access the live view section

Camera video control:
Registration:
tap on the icon to activate video recording
Camera:
tap to capture a snapshot

Camera audio control:
Microphone:
press and hold the icon to speak (if crossed out it is on mute)
Speaker:
tap on the icon to activate/deactivate (if crossed out, it is on mute)

Full screen: activate a full screen view

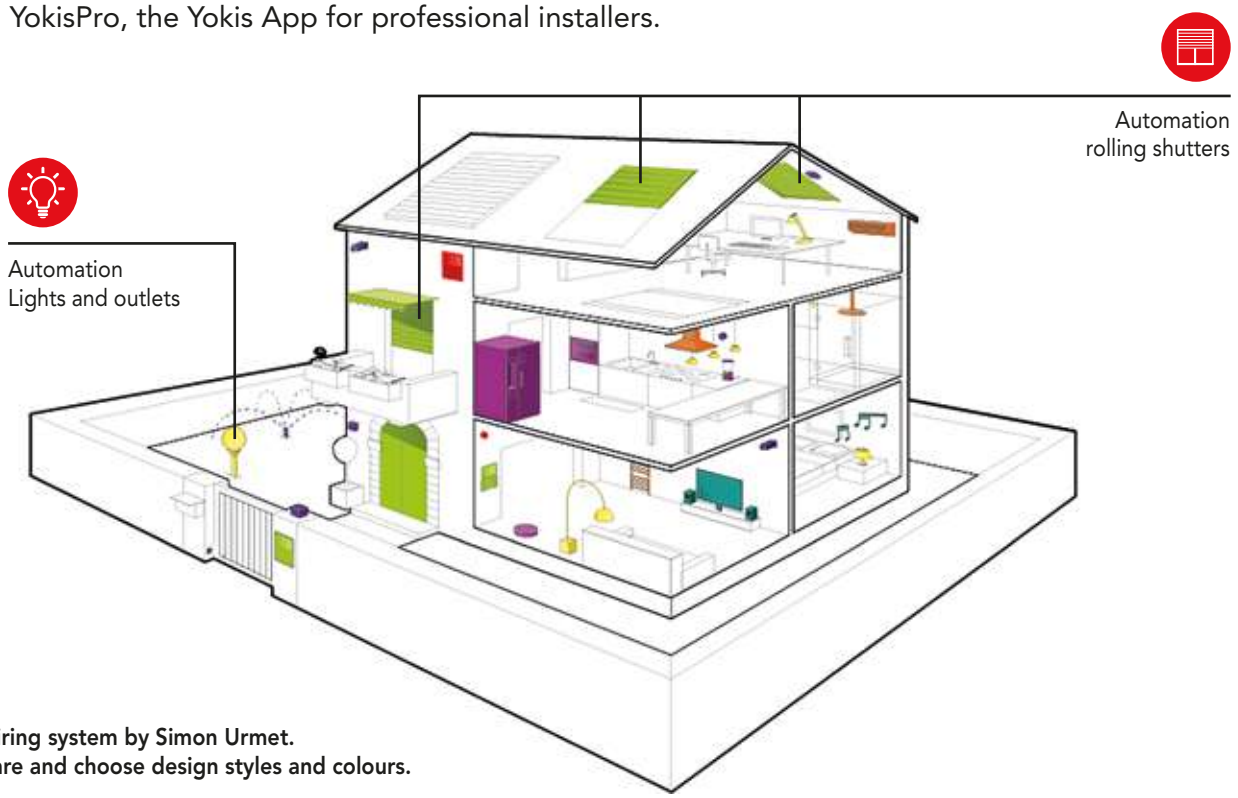
History of daily motion detection events

For further information on integration between Urmet and Yokis products, contact your local Sales Office (see page 122).

SIMON URMET NEA WIRING SYSTEM INTEGRATION

Integration between Simon Urmet and Yokis technologies has led to the creation of the new range of Smart electrical inserts in the NEA line. These offer more functions, such as light timing, management of actuations (electric locks, irrigation system, gate management) and shutters, also with centralised commands, both wired (via pilot wire) and radio.
If the Yokis Hub is present in the system, the smart electrical inserts of the NEA line enable **monitoring and management of the home through the YnO App** (both locally and remotely), as well as voice assistants and the programming of articulated scenarios, both automatic and manual.
Through Yokis technology, **the house becomes smart** and therefore more efficient, safe, comfortable, and environmentally friendly, increasing the value of the property, and improving the quality of life of its inhabitants.

The Nea range smart electrical inserts - by Simon Urmet - are suitable for any architectural context, **thanks to the aesthetic harmony of the digital products** and the easy functional expandability. Simply replace the traditional electrical inserts in the existing system with the new digital devices that utilise Yokis technology. The new Smart range consists of **hybrid (wired and radio) and wired** devices. Furthermore, the electrical inserts are supplied with interchangeable button covers with a matt finish (white fitted as standard and anthracite in the package). Electrical inserts with a polished aluminium finish are also available on request. In this range, all devices are configurable using YokisPro, the Yokis App for professional installers.



Nea wiring system by Simon Urmet.
Compare and choose design styles and colours.




SIMON URMET NEA WIRING SYSTEM INTEGRATION

NEW

THE NEW RANGE OF SMART SWITCHES

5454811

MTR1300EBRP

Radio module with button on NEA wiring system to control lights and other automations, including: electric locks, irrigation system, motorised gates, suction fans, etc.

- It can be used in a conventional wired system or through radio commands.
- The load can be controlled locally or, if the Yokis Hub is present, remotely via the YnO App.
- An additional electromechanical pushbutton can be connected to the connected device (item no. 10108xx).
- Equipped with a blue LED for detection in the dark and a red LED for signals during configuration.
- 230Vac power supply, 1 module.
- Supplied with fitted white button cover and anthracite finish button cover in the package.

5454812

MVR500EBRP

Radio module with double button (not interlocked) on NEA wiring system to control motorised shutters via two buttons.

- It can be used in a conventional wired system or through radio commands.
  The load can be controlled locally or, if the Yokis Hub is present, remotely via the YnO App.
- The upper pushbutton opens the roller, the lower button closes it.
- Equipped with a blue LED for detection in the dark and a red LED for signals during configuration.
- 230Vac power supply, 1 module.
- Supplied with fitted white button cover and anthracite finish button cover in the package.

5454815

ABE2BPP ON/OFF

Double button (not-interlocked) transmitter, on NEA wiring system for single or centralised radio activation of lights and other automations.

- Equipped with a blue LED for detection in the dark and a red LED for signals during configuration.
- 230Vac power supply, 1 module.
- Supplied with fitted white button cover and anthracite finish button cover in the package.

5454816

ABE2BPP UP/DOWN

Double button (not-interlocked) transmitter, on NEA wiring system for single or centralised radio activation of motorised shutters.

- Equipped with two blue LEDs for identification in the dark.
- 230Vac power supply, 1 module.
- Supplied with fitted white button cover and anthracite finish button cover in the package.

5454817

BR12M ON/OFF

Double button (not-interlocked), on NEA wiring system for wired (local or centralised) controls of relay modules for lighting and MTR1300EBRP (replaces double button with R12M accessory).

- Equipped with a blue LED for identification in the dark.
- 230Vac power supply, 1 module.
- Supplied with fitted white button cover and anthracite finish button cover in the package.

5454818

BR12M UP/DOWN

Double button (not-interlocked), on NEA wiring system for wired (local or centralised) controls of shutter modules and MVR500EBRP (replaces double button with R12M accessory).

- Equipped with a blue LED for identification in the dark.
- 230Vac power supply, 1 module.
- Supplied with fitted white button cover and anthracite finish button cover in the package.

Radio timed relay

Switching on, switching off or timing any lighting circuit

Yokis radio toggle relay modules have potential-free contacts, can be timed, and cab be used in **bistable, monostable, or pulse modes,** making it possible to manage all types of circuits**,** including low-voltage types.

Perfectly integrated in the YokisPro configuration application dedicated to the Professional and in the YnO user application, the connected toggle relays allow **control of the installations both locally and remotely**.

RADIO TIMED RELAYS MICROMODULES

MTR2000ERP 5454462 — Timed relay 2000 W radio range

MTR2000ERPX 5454463 — Timed relay 2000 W radio range with external antenna

MTR2000MRP 5454464 — Timed relay 2000 W range on radio DIN rail

MTR2000MRPX 5454465 — Timed relay 2000 W range on radio DIN rail with external antenna

MTR1300EBRP 5454811 — Local hybrid (wired & wireless) device for light control *(It comes fitted with a matt white button cover as standard and an optional anthracite button cover included in the package)*

The advantages

- Timer from 2 seconds to 4 hours with switch-off notification.
- Double timing keeps lights on (12 hours) or a unlimited duration.
- Potential-free contact that can control any device up to 2000W- 10A (e.g. light, exhaust fan, irrigation, gate, garage door, etc.).
- Can be controlled by wired button and/or any Radio Yokis transmitter.
- It can be centralised via pilot wire and/or via Yokis Radio Bus.
- Relay contact programmable in pulse mode (e.g. electric lock) and in monostable mode (e.g. doorbell) by means of appropriate programming.
- It is silent, even if installed behind the buttons of any wiring system.
- It can control another radio receiver, even to create centralised and group controls, becoming a battery-less transmitter.
- Can be operated by button or switch (see diagram SD5416008).
- Can be configured in staircase lights timer mode: the timed relay can be turned into a timer with 27 short touches of the button.
- The use of the antenna version allows the signal to be moved around radio obstacles (stone walls, metal walls, etc.).
- Application for the deaf and hearing impaired that allows a light point to be used for visual signalling (e.g. when someone rings the doorbell, the lamp flashes. Please refer to page 32).

Radio handbook > page 64

COMPATIBLE with Yokis Pro and application Ynov

Requires a Yokis hub

Radio power features:

- Radio coverage:
  - inside a house < 100 m²
  - through a load-bearing wall or slab
  - 250 m unobstructed field of view
- Frequency: 2.4 GHz
- Two-way transmission with notification LED on transmitter
- Receivers can be connected for group controls and centralised via Radio Bus

Available as a kit!

KITRADIOVVP
5454421
START LIGHT KIT
1054/4
SMART LIGHT KIT
1054/5
SYSTEM BASE KIT
1054/6
CONNECTED LIGHT KIT
1054/8
RADIO POWER LOAD MONITORING KIT
1054/9

ACCESSORIES

RAL60 5454083 - **60 cm extension for outdoor antenna.**
RAL200 5454084 - **200 cm extension for external antenna.**

SUP01 5454085 - **Antenna support for horizontal or vertical installation.**

BR12M ON/OFF 5454817 - **Module with double button** for NEA range by Simon Urmet 50X boxes for local and centralised control of lights and activations.

RADIO MICROMODULES

RADIO TIMED RELAY

TECHNICAL FEATURES

Network voltage	230V ~ (+10% -15%) - 50Hz
Power: **on resistive load**	**2000 Range:** 10A - 230VAC, max. 2000W **Smart Switch:** 6A - 230VAC, max. 1300W
other loads	1150VA max. (DIN rail versions)
Consumption	< 1VA - < 0.3W
Ambient temp.	- 20 °C + 60 °C
Sound level	< 60 dB at 20 cm
Relative humidity	from 0 to 70%
Dimensions (mm)	Antenna Cable length: 250 mm

RADIO FEATURES

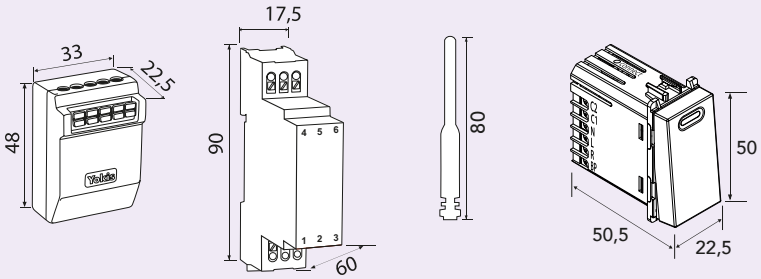
- Radio coverage:
  - inside a house < 100 m²
  - through a load-bearing wall or slab
  - 250 m unobstructed field of view
- **Frequency**: 2.4 GHz.
- **Transmission**: Two-way with notification LED on transmitter.

If the LED is not blinking this does not indicate a battery fault, but a failed radio transmission.

- Programming is saved in case of power failure.
- Centralisation is possible either by radio or by pilot wire.

ITEM NUMBER TABLE

Flush-mounted 2000 range	Serial number	Item number	P.
10 A Radio Power toggle relay	MTR2000ERP	5454462	25
10 A Radio Power toggle relay (with external antenna)	MTR2000ERPX	5454463	25
2000 range on DIN rail	**Serial number**	**Item number**	**P.**
10 A DIN rail Power toggle relay	MTR2000MRP	5454464	25
10 A DIN rail Power toggle relay (with external antenna)	MTR2000MRPX	5454465	25
Smart Switch	**Serial number**	**Item number**	**P.**
50X NEA range radio relay module	MTR1300EBRP	5454811	25



STANDARDS AND CERTIFICATIONS

MAIN FUNCTIONS

Switching on, switching off or timing a lighting circuit

Timing:

- For even greater savings, radio toggle relay modules can be configured to switch the lights off even if you forget about doing it.
- Timer from 2 seconds to 4 hours.
- This function also features a switch-off notification at the end of the timed period: a light will blink one minute before lights are switched off. Factory setting: deactivated.
- Double timing: press the button for over 3 seconds to enable a 12-hour long duration. Factory setting: deactivated.

Radio toggle relay module

Pulse mode:

- Radio toggle relay modules can be operated in pulse mode. This function can be configured directly from the transmitter. When the transmitter button is pressed, the radio toggle relay module sends a 0.5 second pulse. This application is ideal to control a gate, garage door, a door opener, and to activate or deactivate an alarm (see transmitter instruction manual).

Relay or instant mode:

- Radio toggle relay modules can be operated in relay mode. This function can be configured directly from the transmitter. Pressing the transmitter button activates the relay contact. This application is ideal to control a dimmer or a ringer.

- Radio toggle relay modules can be operated with both a button and switch.
- Compatible with all load types.
- The combined radio and wired operation allows using local wired and radio controls.
- Universal radio module thanks to potential-free contact.
- Signal repeater: each radio toggle relay module can act as a repeater to increase the radio range. An unlimited number of repeaters can be used.
- A radio toggle relay module version is available for 2000 W DIN rail: The DIN rail (MTR2000MRP / MTR2000MRPX) radio toggle relay module features a contact status LED and a button directly integrated into the module.

RADIO MICROMODULES

RADIO TIMED RELAY

TIMING CONFIGURATION TABLE

Before setting any configuration, unlock the module with 23 short touches on the button.

Configuration principle: **SHORT** consecutive TOUCHES of the button (maximum interval of 0.8 s)
CONFIRMATION reply with blinking after touches.

Touches	Duration	Replies
11	2 minutes	1 blink
12	4 minutes	2 blinks
13	8 minutes	3 blinks
14	15 minutes	4 blinks
15	30 minutes	5 blinks
16	60 minutes (1 hour)	6 blinks
17	120 minutes (2 hours)	7 blinks
18	240 minutes (4 hours)	8 blinks
19	Unlimited timing	9 blinks
20	Local control in switch mode	10 blinks

Touches	Duration	Replies
21	Block	1 blink
22	Blinking mode	2 blinks
23	Unlocking	3 blinks
24	ON/OFF notification	4 blinks
25	Duration in seconds	5 blinks
26	Duration in minutes	6 blinks
27	Toggle relay / Timer	7 blinks
28	Status is saved in case of power failure	8 blinks
29	ON/OFF long duration	9 blinks
30	Full reset to default values	2 blinks

Configuration in seconds

All durations set in minutes can be changed into seconds with **25 short touches** (reply: 5 flashes).
It is possible to switch back to minutes with 26 short touches (reply: 6 flashes).

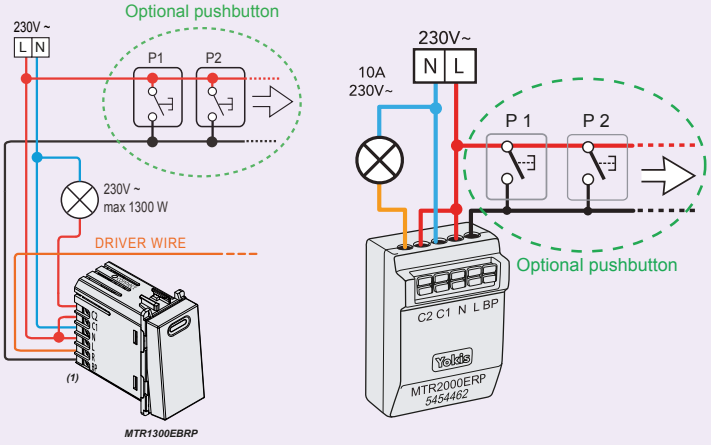
Example:
Configuration of a 15-second duration:
1 - 25 touches (reply: 5 blinks) to select the seconds.
2 - 14 touches (reply: 4 blinks) to set a 15-second duration.

WIRING DIAGRAMS

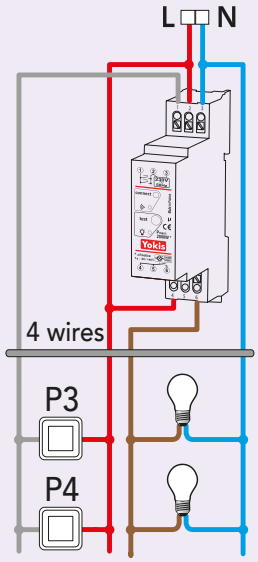
RADIO TIMED RELAY

SD 017 COMBINED RADIO AND WIRED OPERATION

Version for recessed installation

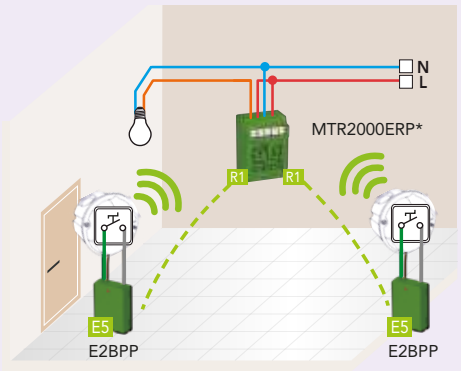


DIN rail version



SD 018 TOGGLE RELAY DEFLECTION/DIVERTER WIRING

Can be done with any Yokis transmitter
Example: with 2 E2BPP behind a device (button or switch)



*It works with all Yokis radio transmitters

EASY CONNECTION

Connection of the receiver with YOKIS radio transmitters (direct connection):

Step 1: E5

On the transmitter, shortly touch the button you wish to connect for 5 times.
The transmitter LED will start blinking quickly for 30 seconds, indicating that it is waiting for a connection.

Step 2: R1

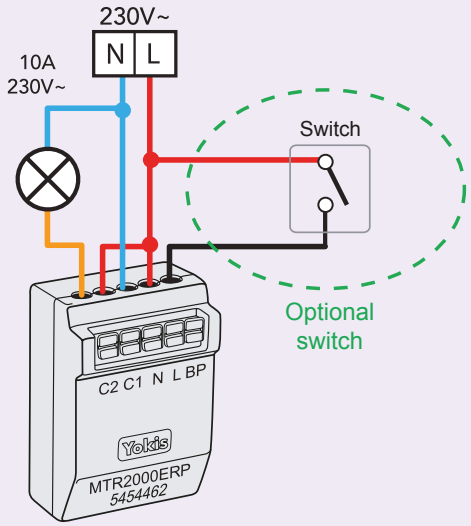
While the transmitter LED is blinking, insert the tip of a pencil in the "connect" hole on the receiver (located on the back of the casing) and press lightly. If the connection is successful, the receiver LED blinks once and the transmitter LED stops blinking.

Warning! The receiver must be powered.

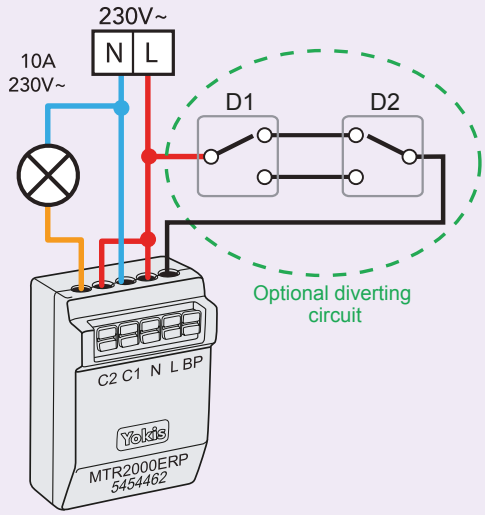
WIRING DIAGRAMS

RADIO TIMED RELAY

SD542 6008 COMBINED RADIO AND WIRED WIRING WITH MTR2000ERP AND A SWITCH INSTEAD OF BUTTONS



SD542 6006 MIXED WIRE AND RADIO WIRING WITH MTR2000ERP AND TWO SWITCHES INSTEAD OF BUTTONS



MTR2000ERP MODULE CONFIGURATION

- During a first step, module can be configured in workshop through a temporary button and temporary bulb. Then, during a second step, you can proceed to installation.
- Module configuration will be kept even in case of power supply failure.
- **1/** Unlock module with 23 short presses (reply: 3 flashes and relay "clicking").
- **2/** It is possible to configure module in "local control from switch" mode with 20 short presses (reply: 10 flashes and relay "clicking").

Installer configuration enabling: **23 short presses**
Installer configuration lock: **21 short presses**

WIRING DIAGRAMS

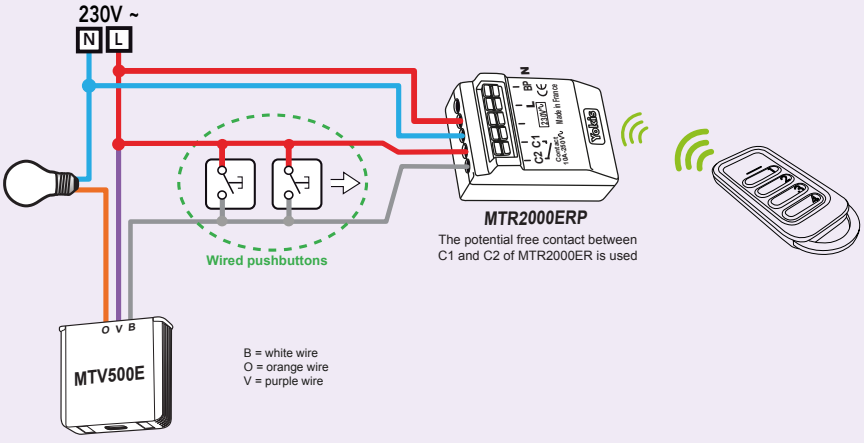
RADIO TIMED RELAY

SD542 6051 DIMMER IN MIXED WIRED AND RADIO INSTALLATION: REQUIRES MTV500E DIMMER FOR THE WIRED PART AND AN MTR2000ERP FOR THE RADIO PART

CONFIGURATION OF THE TRANSMITTER CONTROLLING THE MTR2000ERP

- *Compatible with any Yokis transmitter.*
- **1/** Establish a direct connection between the transmitter and the MTR2000ERP receiver. Apply **5 short touches** on the chosen button of the transmitter, then **one press on "connect"** of the MTR2000ERP.
- **2/** Configuration of instant mode: in this mode the contact of the MTR2000ERP follows the operation of the transmitter button. When the transmitter button is pressed, the contact of the MTR2000ERP is closed. When the button is released, the contact opens.

  - Apply 10 short touches on any button on the transmitter (Configuration Menu). The transmitter LED will blink quickly.
  - As the LED blinks, apply 17 short touches on the button you wish to configure.
  - At the end of the 17 touches, the LED will flash 7 times to confirm the configuration.

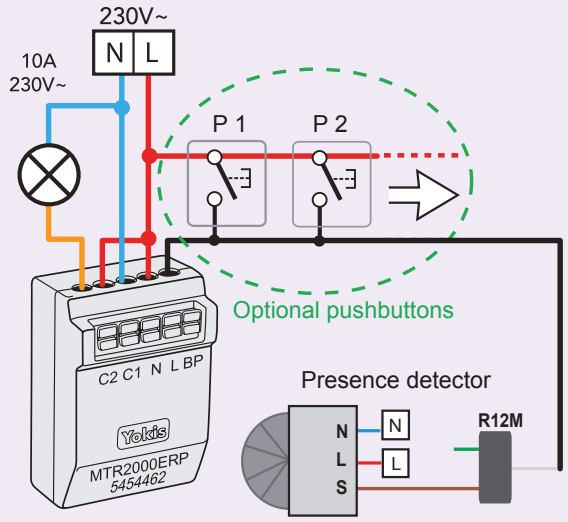


This mode is also useful for radio control of other brands of dimmers

RADIO MICROMODULES

RADIO TIMED RELAY

SD542 6002 WIRED CONTROL OF A MTR2000ERP RELAY BY A PRESENCE DETECTOR



MTR2000ERP MODULE CONFIGURATION

- During a first step, module can be configured in workshop through a temporary button and temporary bulb. Then, during a second step, you can proceed to installation.
- Module configuration will be kept even in case of power supply failure.
- **1/** Unlock module with 23 short presses (reply: 3 flashes and relay "clicking")
- **2/** Subsequently, configure the module in timer mode with 27 short presses (reply: 7 flashes and relay "clicking").
- **3/**Finally, configure operating duration with 11,12, 13, 14, 15, 16, 17 or 18 short touches to get a duration of 2,4,8,15,30,60,120 or 240 minutes.

Detector wiring to R12M

- Connect only one of the R12M wires so that the detector can determine light turning on (and not turning off). Brown wire = Turning on / Green wire = Turning off.

WIRING DIAGRAMS

RADIO TIMED RELAY

SD542 6051 RADIO CONTROL, FROM AN AUTOMATIC CONTACT, OF ONE LIGHT

POSSIBLE CONFIGURATIONS

- The wiring diagram, with 2 REL1Cs, and the procedure described below allow the light to be switched on when the contact is closed and off when the contact is opened.
- To obtain the opposite, i.e. to switch the light on when the contact is opened and off when it is closed, simply swap the two wires connected to terminals 'F' and 'O' of the CVR12 module.
- It is also possible to connect only one REL1C and thus obtain the power on at closing (connecting only the left REL1C to the brown wire) or the power off at opening (connecting only the right REL1C to the green wire).
- If only one of the two REL1Cs has been connected limit the operation - in the procedure described below - to the configuration of the connected wire only.

Connection of brown wire and definition of light on when contact is closed.

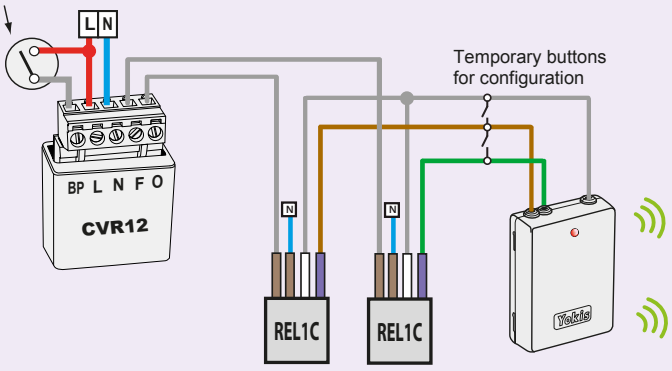
- **1/** Connect a temporary button to the E2BP, between the brown and the white wires.
- **2/** Apply 5 short presses. The LED will blink.
- **3/** While the LED is blinking, press the "connect" hole on the back of the MTR2000ERP.
- **4/** The connection is successful if the relay of the receiver switches and the transmitter LED stops blinking.
- **5/** Apply 10 short presses on the brown channel (Configuration Menu). The LED will blink quickly.
- **6/** While the LED is blinking, press 3 times on the brown channel to activate the switch-on function. The LED will blink 3 times for confirmation.

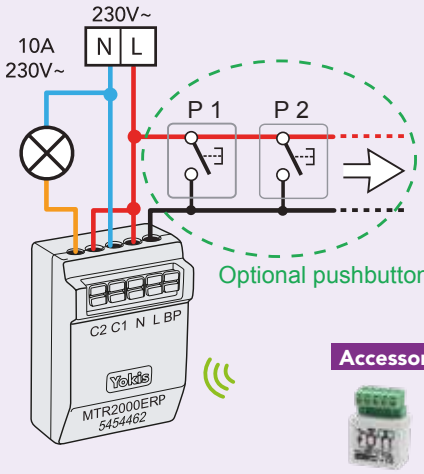
Connection of green wire and light off when contact is opened.

- **1/** Connect a temporary button to the E2BPP, between the green and the white wires.
- **2/** Follow steps 2, 3, 4, 5 described above, using the green channel.
- **3/** While the LED is blinking, press 4 times on the green channel to activate the switch-off function. The LED will blink 4 times for confirmation.

Automatic contact

- Automatic contact: time programmer, twilight sensor, anemometer, presence detector, etc.





Accessories:

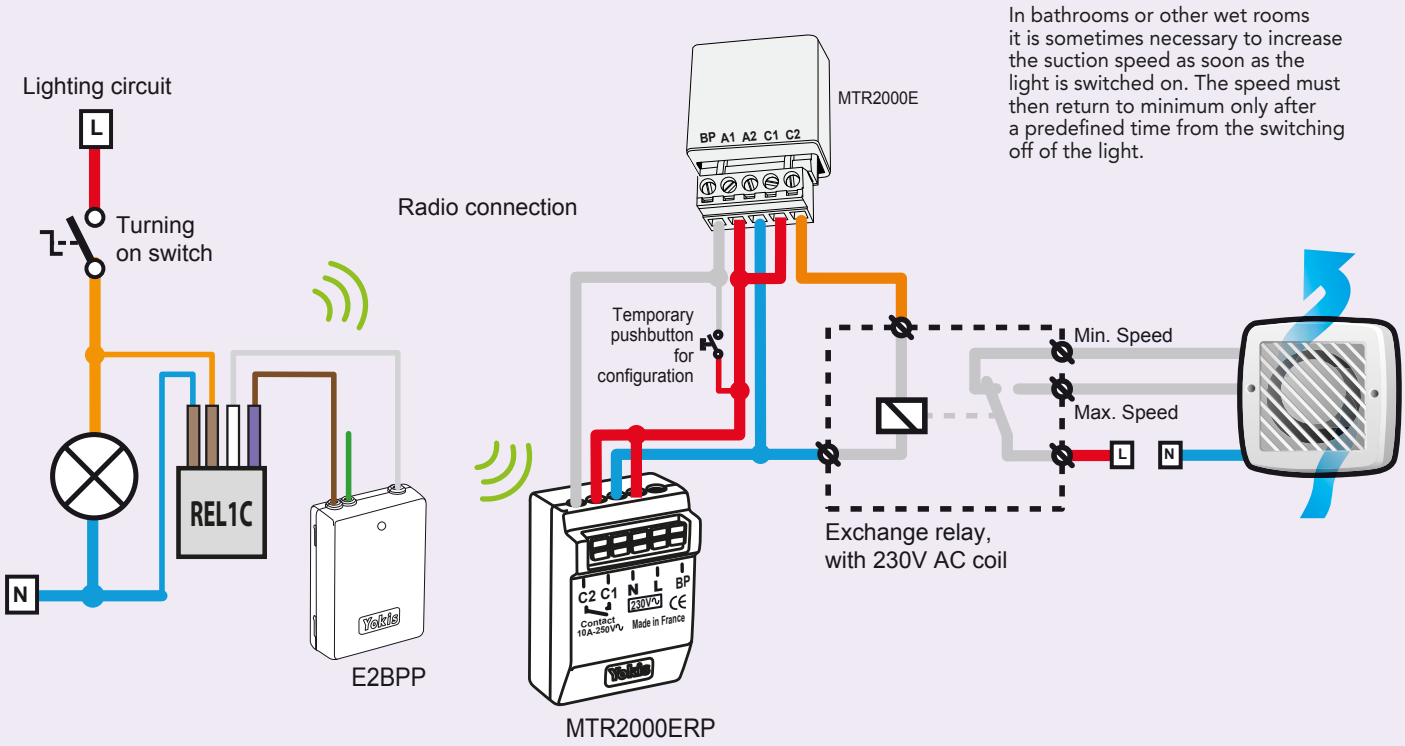
CVR12
5454807

REL1C
5454081

WIRING DIAGRAMS

RADIO TIMED RELAY

SD542 6004 **TIMING BY RADIO OF THE MAXIMUM SPEED OF A DOUBLE-SPEED EXHAUST FAN**



MTR2000E MODULE CONFIGURATION

- The module can be configured in workshop through a temporary button and temporary bulb.
- Module configuration will be kept even in case of power supply failure.
- **1/** Unlock module with 23 short presses (reply: 3 flashes and relay "clicking")
- **2/** Subsequently, configure the module in timer mode with 27 short presses (reply: 7 flashes and relay "clicking").
- **3/**Finally, configure the exhaust fan operating duration after light is turned off with 11, 12, 13, 14, 15, 16, 17 or 18 short presses, to get a duration of 2, 4, 8, 15, 30, 60, 120 or 240 minutes.

Installer configuration enabling: **23 short presses**
Installer configuration lock: **21 short presses**

CONFIGURATION OF THE E2BPP CONTROLLING THE MTR2000ERP

- **1/ Establish a direct connection between the transmitter and the MTR2000ERP receiver.**
  Apply **5 short presses** with a temporary button connected between the brown and white wires; then make **one press on the "connect" button** of the MTR2000ERP.
- **2/ Configuration of instant mode:** in this mode the contact of the MTR2000ERP follows the operation of the contact connected to the transmitter. When the contact of the transmitter is closed, the contact of the MTR2000ERP is also closed. When the contact of the transmitter opens, the contact of the MTR2000ERP opens.
- Connect a temporary button to the E2BPP, between the brown and the white wires.
  - Apply 10 short touches on this temporary button. The E2BPP LED will begin blinking slowly.
  - As the LED blinks, apply 17 short touches on the same temporary button.
  - At the end of the 17 touches, the LED will flash 7 times to confirm the configuration.
  - Disconnect the temporary button.

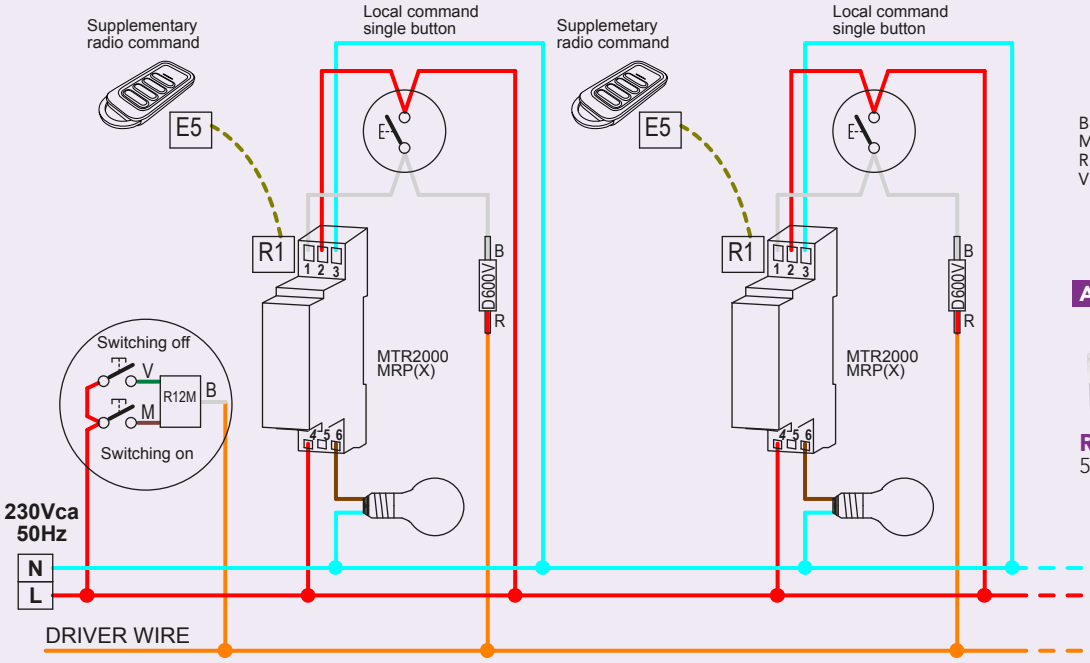
Accessory:

REL1C
5454081

RADIO MICROMODULES

RADIO TIMED RELAY

SD542 0035 LIGHT CENTRALISATION WITH SINGLE LOCAL BUTTON



B = white wire
M = brown wire
R = red wire
V = green wire

Accessories:

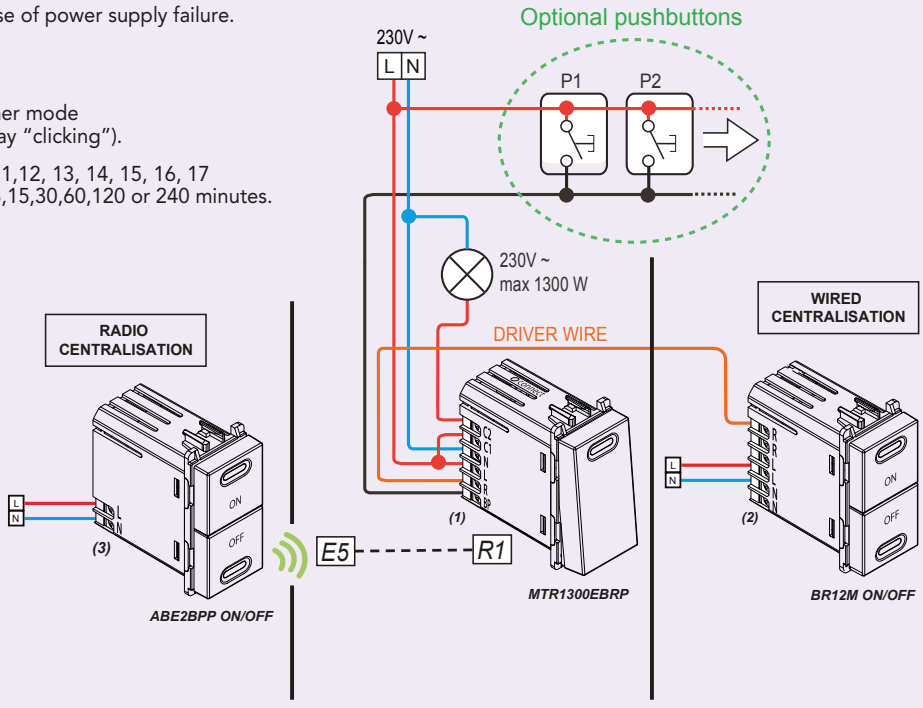
R12M 5454073

D600V 5454072

SD542 6056 CONTROLLING AN MTR1300EBRP DEVICE FROM OPTIONAL BUTTONS OR FROM WIRED CENTRALISED CONTROL OR FROM RADIO CENTRALISED CONTROL

MTR1300EBRP MODULE TIMER CONFIGURATION

- During a first step, the module can be configured in workshop through a temporary button and temporary bulb. Then, during a second step, you can proceed to installation.
- Module configuration will be kept even in case of power supply failure.
- **1/** Unlock module with 23 short presses (reply: 3 flashes and relay "clicking").
- **2/** Subsequently, configure the module in timer mode with 27 short presses (reply: 7 flashes and relay "clicking").
- **3/**Finally, configure operating duration with 11,12, 13, 14, 15, 16, 17 or 18 short touches to get a duration of 2,4,8,15,30,60,120 or 240 minutes.



DIMENSIONS (WxHxD)	
(1) MTR1300EBRP (Code 5454811)	22.5 X 50 X 50.5 mm
(2) BR12M ON/OFF (Code 5454817)	22.5 X 50 X 46.8 mm
(3) ABE2BPP ON/OFF (Code 5454815)	22.5 X 50 X 46.8 mm

Installer configuration enabling: **23 short presses**
Installer configuration lock: **21 short presses**

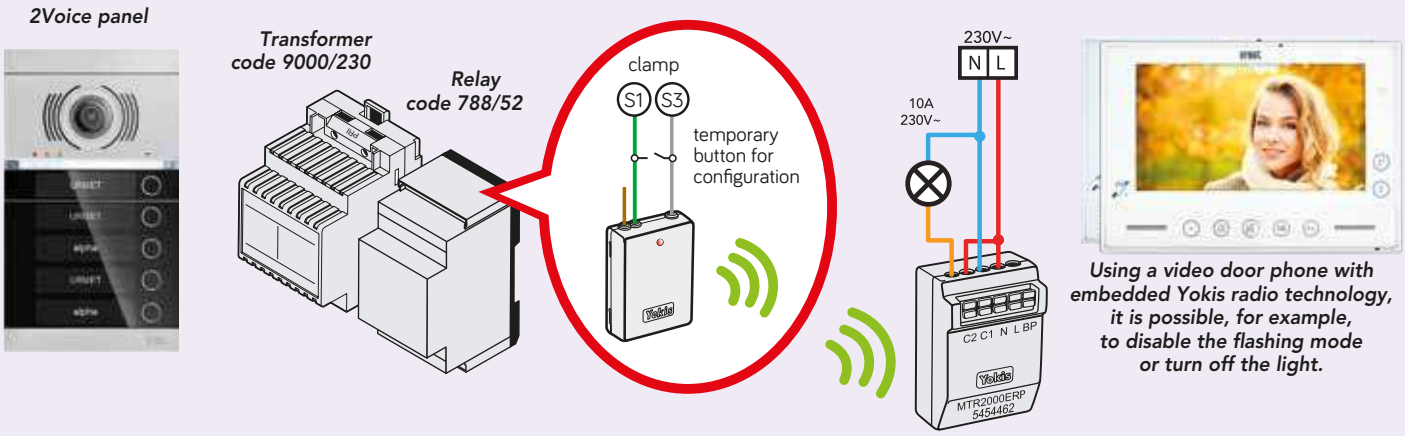
WIRING DIAGRAMS

RADIO TIMED RELAY

CASE OF USE ON URMET 2VOICE VIDEO DOOR PHONE SYSTEM:

SWITCHING OR FLASHING OF A RADIO LIGHT/RINGER VIA A VIDEO DOOR PHONE CALL REPETITION CONTROL

If it is necessary to repeat a video door phone call, so that a light turns on or an alarm bell rings when the button is pressed on the entry panel, with Yokis this is possible wirelessly, through a flush-mounted transmitter (e.g. E2BPP) and a radio relay (e.g. MTR2000ERP).



Using a video door phone with embedded Yokis radio technology, it is possible, for example, to disable the flashing mode or turn off the light.

CONFIGURATION OF THE E2BPP CONTROLLING THE MTR2000ERP

- **1/** Make 5 short presses on the button of the transmitter you want to connect.
- **2/** While the transmitter LED is flashing, press on the "connect" button of the receiver.

PROGRAMMING AN E2BPP CHANNEL IN BLINKING MODE

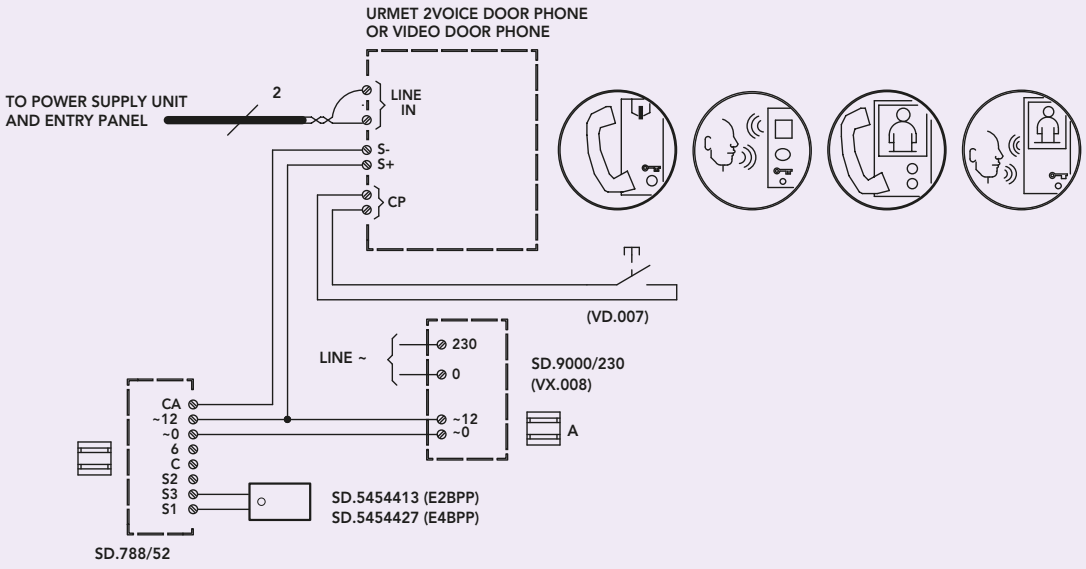
- **1/** Apply 10 short touches on the temporary button connected between the white and green wires of the transmitter. The LED will blink quickly.
- **2/** While the LED is blinking, apply 19 quick touches (when finished, the LED will flash 9 times to confirm the configuration).

PROGRAMMING THE MTR2000ERP IN "BLINKING" MODE

The relay will flash for 30 seconds in response to a command from the transmitter configured as described above.

- **1/** Connect a temporary button between the phase and the 'BP' terminal of the MTR2000ERP.
- **2/**Apply 23 touches on the button to enable the configurations. The module will respond with 3 short contact switches (3 relay "clicks").
- **3/** Set the blinking mode with 22 short presses (reply: 2 relay "clicks").

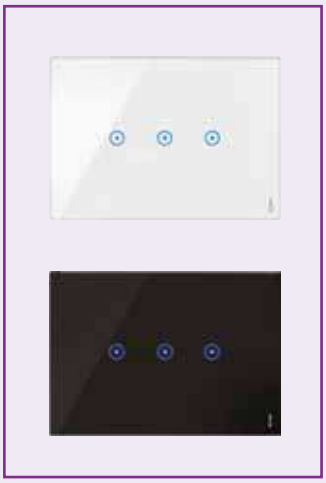
URMET 2VOICE DIAGRAM WITH INDOOR STATION AND RELAY 788/52, ADDING A FLUSH-MOUNTED TRANSMITTER E2BPP(X) OR E4BPP(X) FOR WIRELESS CALL REPEATER

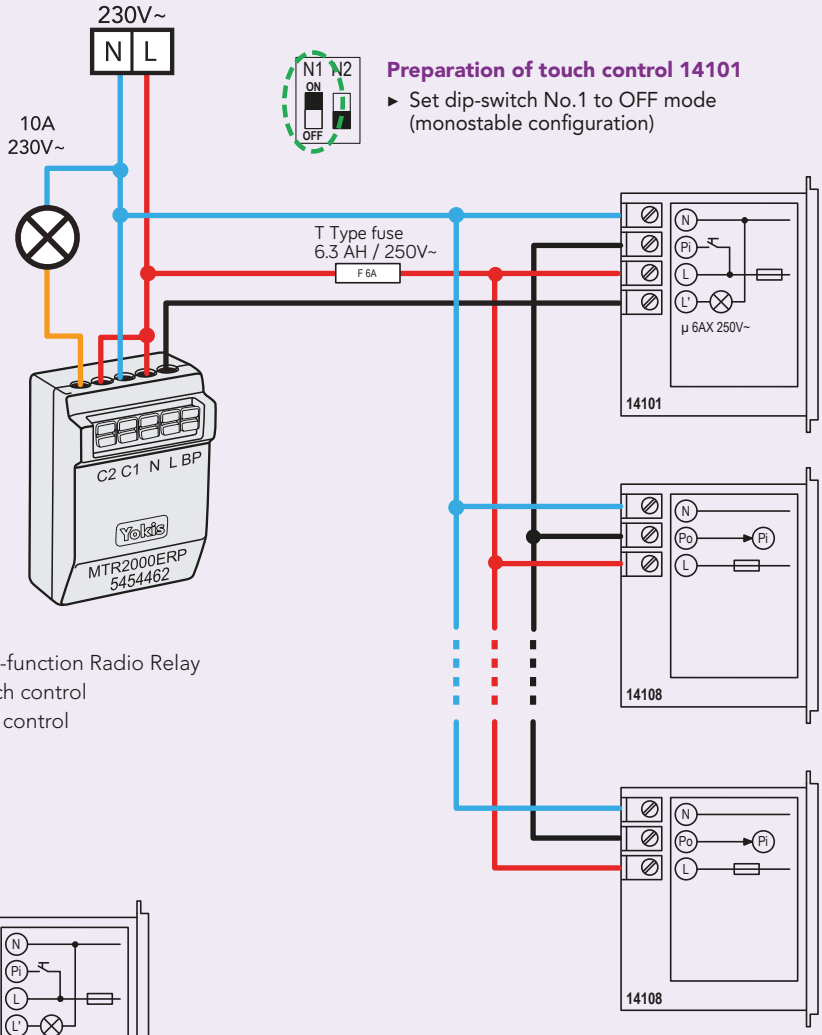


WIRING DIAGRAMS

RADIO TIMED RELAY

SD542 6002 SYSTEM DIAGRAM WITH MULTIFUNCTION RADIO RELAY AND SIMON URMET EXPÌ TOUCH



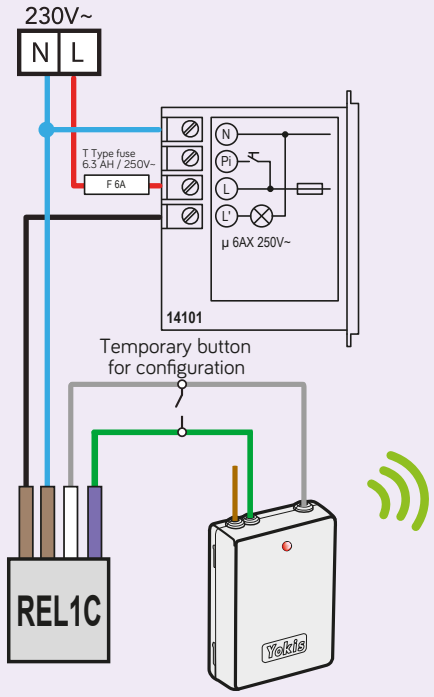


Preparation of touch control 14101

- Set dip-switch No.1 to OFF mode (monostable configuration)

Item numbers:

5454462 MTR2000ERP - Multi-function Radio Relay
14101 - Electronic master touch control
14108 - Electronic slave touch control



N = neutral
Pi = input for control from 2 or more points
L = phase
L' = load
Po= output for control from 2 or more points

For a connected installation, add item no. 5454495 (YOKISHUB).

Item numbers:

5454413 E2BPP - Flush-mounted 2-channel transmitter
5454081 REL1C - Relay with 230V~ coil
14101 - Electronic master touch control

Radio timed dimmer

Varying and timing the brightness in a lighting circuit

The Yokis radio timer dimmer can be installed quickly and easily, making it ideal for creating soft lighting zones and adjusting the light intensity of rooms to meet the needs of the occupants. It can be controlled by wire and by radio.

Fully integrated into the YokisPro configuration application for the Professional and the YnO user application, the process of installing and configuring a dimmer **has never been simpler or faster**.

RADIO MICROMODULES
DIMMER TIMED WITH NEUTRAL OPERATION

MTV500ERP 5454457 — 500 W radio timed dimmer with neutral wire

MTV300MRP 5454479 — 300 W radio DIN rail timed dimmer with neutral wire

The advantages

- It is possible to activate the timer, from 2 seconds to 4 hours, with gradual switch-off notification.
- Double timing keeps lights on (12 hours) or a unlimited duration.
- Allows the minimum brightness level to be set and a preferred value to be stored.
- Dimmer compatible with dimmable LEDs by adding the accessory **SMARTCHR (item no. 5454089)**.
- Centralisation via Radio Bus.
- Consumption is reduced according to brightness variation.
- Compatible with existing wiring: with buttons common to neutral or to live.
- "Soft start/soft stop" function: protects the light bulb by increasing its lifetime, and improves the user's perception of light.
- Application for the deaf and hearing impaired that allows a light point to be used for visual signalling (e.g. when someone rings the doorbell, the lamp flashes).
- Dimmer with children's room night light function: it is possible to select 20% lighting and set it to gradually decrease during a 1-hour period to a night light (duration: 12 hours) with seven short touches of the button. It also enables the activation of lights in corridors or other rooms for night-time movements.

Radio handbook > page 64

COMPATIBLE
with Yokis Pro
and application Ynov

Requires a Yokis hub

Radio power features:

- Radio coverage:
  - inside a house < 100 m²
  - through a load-bearing wall or slab
  - 250 m unobstructed field of view
- Frequency: 2.4 GHz
- Two-way transmission with notification LED on transmitter
- Receivers can be connected for group controls and centralised via Radio Bus

Available as a kit!

KITRADIOVARVVP
5454523
START LIGHT KIT
1054/4
SMART LIGHT KIT
1054/5
SYSTEM BASE KIT
1054/6

ACCESSORIES

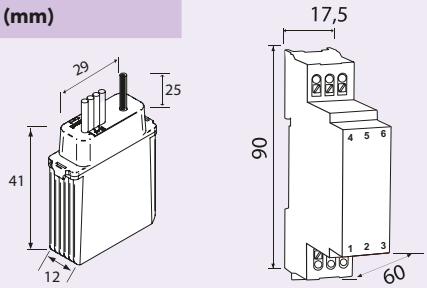
SMARTCHR 5454089 **- 3 W resistive load for energy-saving light bulbs and LED.**
Prevents flickering of light bulbs.

RADIO MICROMODULES

RADIO TIMED DIMMER WITH NEUTRAL OPERATION

TECHNICAL FEATURES

Network voltage	230V ~ (+10% -15%) - 50Hz
Power MTV500ERP	min. 5W max. 500W / 250VA
Power MTV300MRP	min. 5W max. 300W / 150VA
Maximum current	MTV500ERP: 2A/1A MTV300MRP: 1.3A
Sealed boxes other boxes	1.3A / 300VA 2.2A / 500VA
Ambient temp.	- 20 °C + 40 °C
Relative humidity	MTV500ERP: from 0 to 90% MTV300MRP: from 0 to 70%
Dimensions (mm)	



FUNCTIONAL FEATURES

- Variation principle through cut-off at phase start or phase end with automatic load type recognition.
- Inrush current limitation through filament pre-heating.
- Built-in automatic switch in case of short circuit on the load, with automatic reset after the fault is eliminated.
- Programming is saved in case of power failure.
- Electronic overheating protection.
- Immune to mains disturbances up to 1.5kV.

RADIO FEATURES

- Radio coverage:
  - inside a house < 100 m²
  - through a load-bearing wall or slab
  - 250 m unobstructed field of view
- **Frequency**: 2.4 GHz
- **Transmission**: Two-way with notification LED on transmitter

ITEM NUMBER TABLE

	Serial number	Item number	P.
Timed dimmer for recessed installation	MTV500ERP	5454457	35
Timed dimmer on DIN rail	MTV300MRP	5454479	35

STANDARDS AND CERTIFICATIONS

CE WARRANTY 5 YEARS MADE IN EU

MAIN FUNCTIONS

1/ Default configuration of timer duration:

The default duration is unlimited. A duration of 2 minutes up to 240 minutes can be configured through short consecutive touches (see table below). It is possible to configure the duration in seconds (from 2 to 240 seconds) with 25 short touches. It is possible to switch back to minutes with 26 touches. Configurations are saved in case of power failure.

2/ Long duration:

A 12-hour long duration can be enabled with 6 short touches of the button. A new short press allows switching off: the 12-hour duration is suppressed and the previous timing configuration is reactivated.

3/ Warning with gradual switch-off:

The warning with gradual switch-off is enabled by default.
The warning can be disabled or re-enabled with 24 short touches:
1 minute before the end of the scheduled lighting period,
the micromodule blinks once to warn of the gradual switch-off.
After the blinking, it is possible to set the same lighting schedule once again with one short touch of the button.

4/ Children's room night light mode:

The children's room night light can be switched on with 7 short touches of the button. In this case the lighting is set to 20% and the light gradually decreases for one hour until only a night light is left for 12 hours.

5/ The operation status is saved in case of power failure:

The dimmer saves the operation status in case of power failure.
If the dimmer was off at the time of the power failure, the lights will remain off; if it was on, it will be switched back on at the same brightness it was when the power was cut off.
This function can be disabled with 35 short touches.

6/ Relay mode:

In this way, the MTV500ERP or MTV300MRP no longer cuts off the phase. It operates as a relay contact (equivalent to a toggle relay). This function can be enabled or disabled with 20 short touches.

7/ Memory:

The last variation level that was set with a long touch is saved, and is recalled at the following switch-on or with 2 short touches, depending on the configuration (see below).

8/ Memory on first press:

In certain types of applications, it may be desirable to have the value memorised with the first touch available. Touching twice will call up 100% illumination. This memory mode can be enabled or disabled with 29 short touches (by default, the 100% Memory Mode is selected with the first touch).

9/ Minimum brightness configuration:

Configure the minimum desired level with a long touch of the button.

- Then, apply 27 short touches.
  The micromodule replies by blinking 7 times for confirmation.
- The minimum value can be restored with 28 short touches.

10/ Configuration lock:

To prevent any changes from being made, the micromodule can be blocked with 21 touches (reply: 1 flash). In all cases, the MTV500MRPRP/MTV300MRP is automatically blocked after 6 hours.

11/ Using the default brightness values:

Short touches	Lighting (by default)
1	100%
2	Stored level
3	50%
4	Minimum brightness
7	Children's room night light mode

RADIO MICROMODULES

RADIO TIMED DIMMER WITH NEUTRAL OPERATION

MAIN FUNCTIONS

12/ Grouping of several MTV500ERP/MTV300MRP dimmers or increase of switched power:

Each product must individually control maximum 500W / 250VA (MTV500ERP) or maximum 300W / 150VA (MTV300MRP).
It will then be possible to group them together via radio.
The dimmers operate simultaneously.

To group together via radio 2 or more MTV500ERP/ MTV300MRP:

- Apply 4 short touches to the "connect" tab of a MTV500ERP/ MTV300MRP. A series of four flashes is made by the MTV500ERP/MTV300MRP LED.
- Then shortly press once the tab on the other MTV500ERP/MTV300MRP. The lighting responds with 4 flashes.

To disable the connection, press for over 4 seconds the tabs on each MTV500ERP/ MTV300ERP.

13/ Use with energy-saving light bulbs or LED dimmers:

When the level of variation is low (load less than 11 VA), and the light flickers, it is necessary to increase the minimum brightness level of the dimmer (see §9) or connect one or more SMARTCHR accessories in parallel between the lamp return and the neutral operation.

Check that it switches on at the set minimum variation. If this is not the case, adjust the minimum brightness.

Application for the deaf and hearing impaired

This application enables the operation of one or more blinking lights to warn persons with hearing impairments instead of an acoustic signal. A transmitter (E2BPP for example) must be connected to the doorbell button. To download the application sheet, visit**www.yokis.com**

CONFIGURATION TABLE

Before setting any configuration, unlock the module with 23 short touches on the button. It locks automatically after 6 hours.

Configuration principle: SHORT consecutive TOUCHES of the button (maximum interval of 0.8 s)
CONFIRMATION reply with blinking after touches.

Touches	Duration	Replies
11	2 minutes	1 blink
12	4 minutes	2 blinks
13	8 minutes	3 blinks
14	15 minutes	4 blinks
15	30 minutes	5 blinks
16	60 minutes (1 hour)	6 blinks
17	120 minutes (2 hours)	7 blinks
18	240 minutes (4 hours)	8 blinks
19	Unlimited timing	9 blinks
20	Relay mode	10 blinks
21	Block	1 blink

Touches	Duration	Replies
22	Blinking mode	2 blinks
23	Unlocking	3 blinks
24	ON/OFF notification	4 blinks
25	Duration in seconds	5 blinks
26	Duration in minutes	6 blinks
27	Minimum brightness setting	7 blinks
28	Minimum brightness	8 blinks
29	100% mode or memory upon first touch	9 blinks
30	Full reset to default values	2 blinks
35	Status is saved in case of power failure	5 blinks

Configuration in seconds

All durations set in minutes can be changed into seconds with **25 short touches** (reply: 5 flashes).
It is possible to switch back to minutes with 26 short touches (reply: 6 flashes).

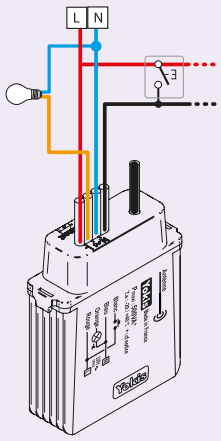
Example:
Configuration of a 15-second duration:
1 - 25 touches (reply: 5 blinks) to select the seconds.
2 - 14 touches (reply: 4 blinks) to set a 15-second duration.

WIRING DIAGRAMS

RADIO TIMED DIMMER WITH NEUTRAL OPERATION

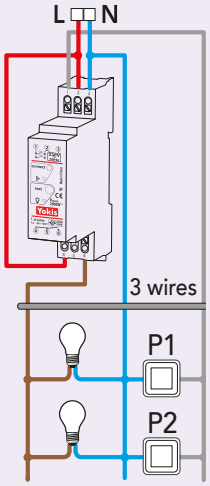
SD 019 WIRING PRINCIPLE

Version for recessed installation



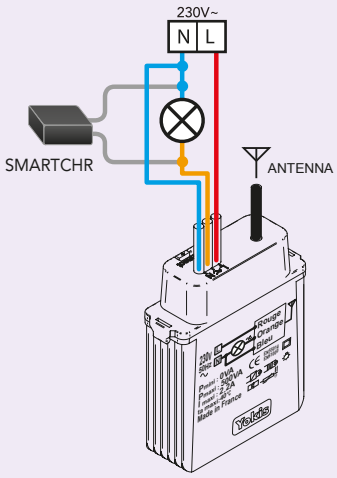
SD 020 WIRING PRINCIPLE

DIN rail version



- Works with radio and wired controls
- Compatible with all dimmable loads, up to 500 W (MTV500ERP) or up to 300 W (MTV300MRP).
- Variable LED max 250VA (MTV500ERP) or 150VA (MTV300MRP).

SD542 6052 USE OF ENERGY SAVING BULBS (CFL) OR LED BULBS WITH MTV500ERP



Shutter micromodule

Centralisation of shutters, screens and sun blinds

Yokis shutter modules are the **innovative automation solution for shutters, screens and blinds**. With radio shutter modules, available either flush-mounted or DIN rail-mounted, you can centralise control to open and close shutters and screens, including existing ones.

Installation is quick and easy and does not require any work. It is fully configurable using the YokisPro installation application, with its **integrated torque control** which prevents motor damage. It is also possible to **centralise the roller shutters, sun blinds, awnings** and create wired and/or radio-controlled zones.

RADIO MICROMODULES SHUTTER MICROMODULE

MVR500ERP 5454467 Radio shutter micromodule

MVR500ERPX 5454468 Radio shutter micromodules with external antenna

MVR500MRP 5454469 Radio shutter micromodule on DIN rail

MVR500MRPX 5454470 Radio DIN rail shutter micromodule with external antenna

MVR500EBRP 5454812 Local hybrid (wired & wireless) shutter control device *(Supplied with matt white button cover fitted as standard and optional anthracite button cover included in the package)*

The advantages

- **Universal:** compatible with all types and makes of shutter, sun blinds, awnings, with a 3 or 4 wire motor (Somfy, Bubendorff, etc...).
- Receivers can be connected to create centralised and group controls.
- Two-way transmission with notification LED on transmitter.
- Integrated shutter protection system: the built-in torque control prevents damage to the shutter or the motor in case of an obstacle.
- Possibility of daily hourly programming for scheduling the movement of the shutter to a desired position.
- It can be controlled by an unlimited number of transmitters.
- All Yokis radio receivers can also be used as signal repeaters to increase radio range.
- Range is reduced by metal items, walls or partitions.
- Combined radio and wired receivers for installations suitable to any system, whether new or upgraded.
- Can be centralised with a single pilot wire, through accessory R12M or Radio Bus.
- The modular versions are equipped with potential-free contacts for controlling low-voltage motors (velux, etc.).
- The use of the antenna version allows the signal to be moved around obstacles (stone walls, metal walls, etc.).

Radio handbook > page 64

COMPATIBLE with Yokis Pro and application Ynov

Requires a Yokis hub

Radio power features:

- Radio coverage:
  - inside a house < 100 m²
  - through a load-bearing wall or slab
  - 250 m unobstructed field of view
- Frequency: 2.4 GHz
- Two-way transmission with notification LED on transmitter
- Receivers can be connected for group controls and centralised via Radio Bus

Available as a kit!

5-SHUTTER POWER RADIO KIT
5454556
CONNECTED SHUTTER KIT
1054/7

ACCESSORIES

RAL60 5454083 **- 60 cm extension for outdoor antenna.**
RAL200 5454084 **- 200 cm extension for external antenna.**

SUP01 5454085 **- Antenna support for horizontal or vertical installation.**

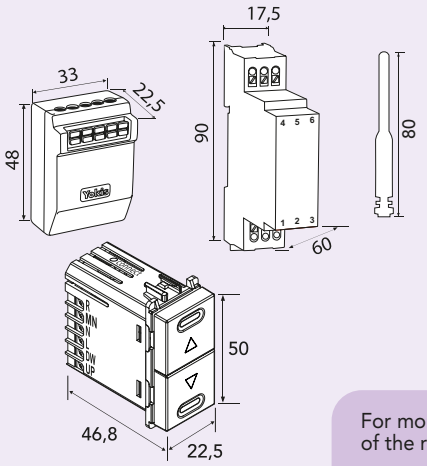
BR12M UP/DOWN 5454818 **- Module with double button** for Simon Urmet NEA series 50X boxes for wired shutter control, both local and centralised.

RADIO MICROMODULES

RADIO SHUTTERS

TECHNICAL FEATURES

Network voltage	230V ~ (+10% -15%) - 50Hz
Power	3-wire motor 230V~, 2 A max. 500 VA
Consumption	< 1VA - < 0.3W
Ambient temp.	- 20 °C + 60 °C
Relative humidity	from 0 to 70%
Dimensions (mm)	Antenna Cable length: 250 mm



RADIO FEATURES

- Radio coverage:
  - inside a house < 100 m²
  - through a load-bearing wall or slab
  - 250 m unobstructed field of view
- **Frequency**: 2.4 GHz
- **Transmission**: Two-way with notification LED on transmitter

If the LED is not blinking this does not indicate a battery fault, but a failed radio transmission.

- Programming is saved in case of power failure.
- **Use one micromodule per motor.**
- **Compatible with all types and makes of 3- or 4-wire motors.**

For more detailed information on the configurations of the radio shutter module, see table on p. 79

ITEM NUMBER TABLE

500 Range flush-mounted	Serial number	Item number	P.
Power shutter radio micromodule	MVR500ERP	5454467	39
Power shutter radio micromodule with external antenna	MVR2000ERPX	5454468	39
500 range on DIN rail	**Serial number**	**Item number**	**P.**
Power shutter radio micromodule	MVR500MRP	5454469	39
Power shutter radio micromodule with external antenna	MVR500MRPX	5454470	39
Smart Switch	**Serial number**	**Item number**	**P.**
NEA line radio shutter module for 50X	MVR500EBRP	5454812	39

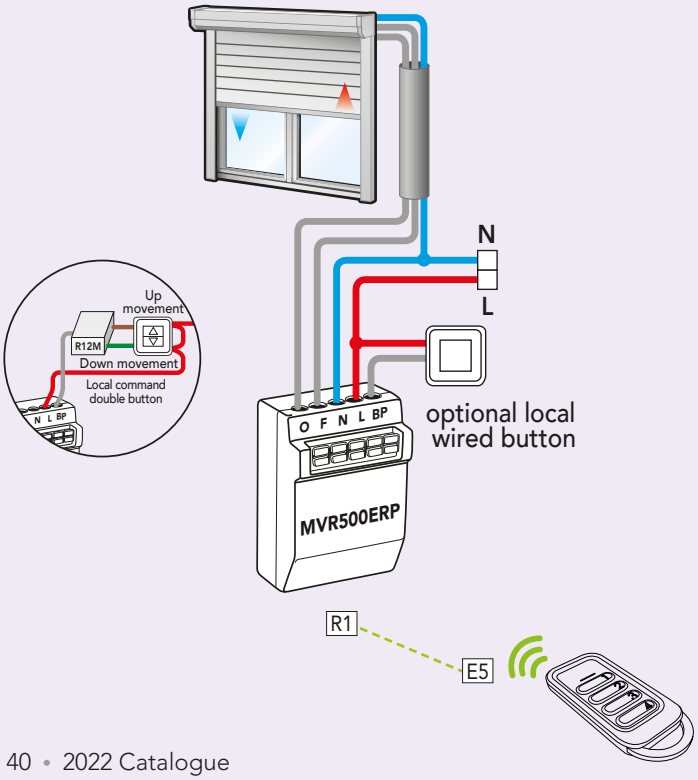
STANDARDS AND CERTIFICATIONS

CE WARRANTY 5 YEARS MADE IN EU

WIRING DIAGRAMS

RADIO SHUTTERS

SD 028 STANDARD WIRING



EASY CONNECTION

Connection of the MVR500ERP receiver with Yokis radio transmitters (direct connection):

Step 1: E5

On the transmitter, shortly touch the button you wish to connect for 5 times.
The transmitter LED will start blinking quickly for 30 seconds, indicating that it is waiting for a connection.

Step 2: R1

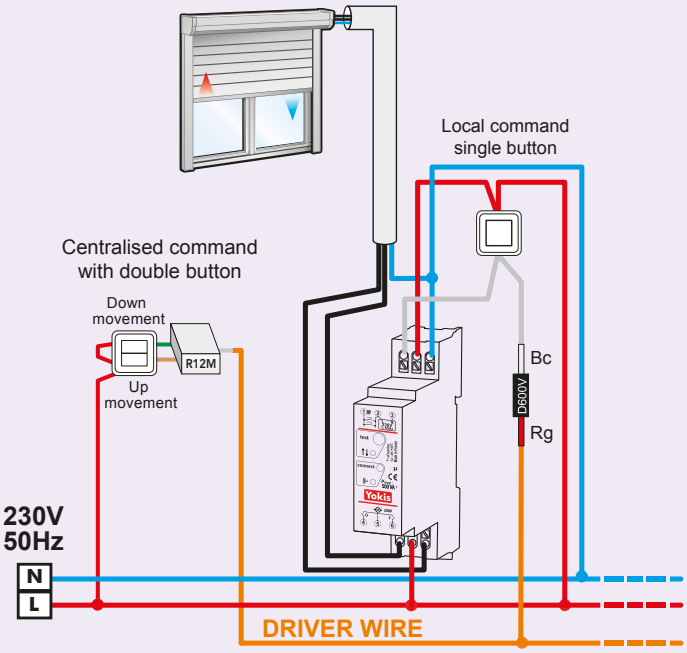
While the transmitter LED is blinking, insert the tip of a pencil in the "connect" hole on the receiver (located on the back of the casing) and press lightly.
If the connection is successful, the receiver LED blinks once and the transmitter LED stops blinking.

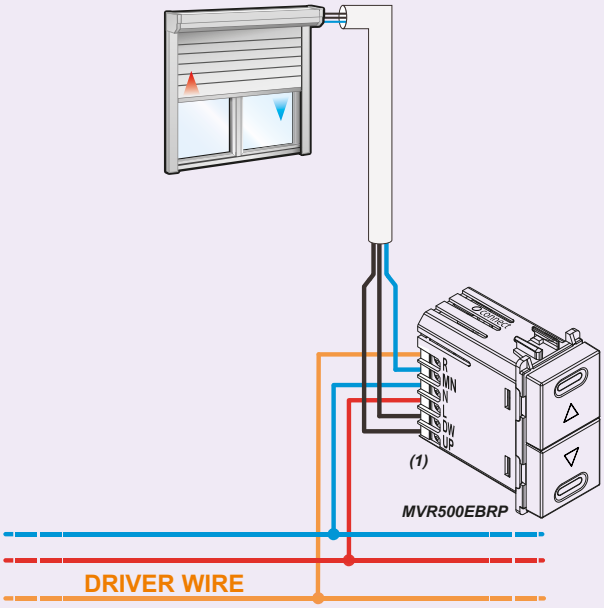
Warning! The receiver must be powered.

WIRING DIAGRAMS

RADIO SHUTTERS

SD 029 STANDARD WIRING (DIN RAIL VERSION)

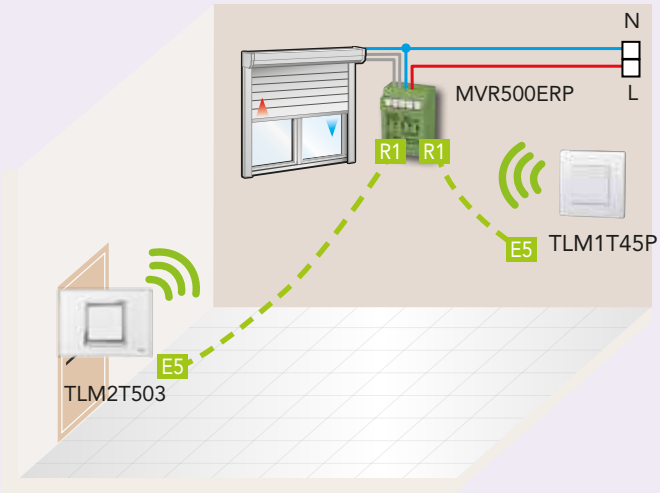




- The LED light on the module makes it possible to check whether the open/close command has been sent to the motor.
- The DIN rail modular versions are equipped with potential-free contacts for controlling low-voltage motors (velux, etc.).

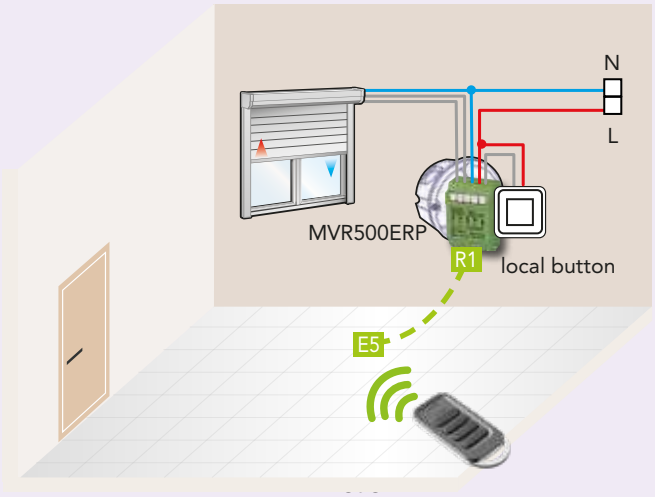
SD 029 RADIO WIRING DIAGRAM

Can be implemented with any Yokis transmitter
Example: with a TLM2T503P (with 1 button programmed for up movement and 1 button for down movement).



SD 030 MIXED RADIO AND WIRED WIRING DIAGRAM

Can be done with all Yokis transmitters
Example: with 1 TLC8CP

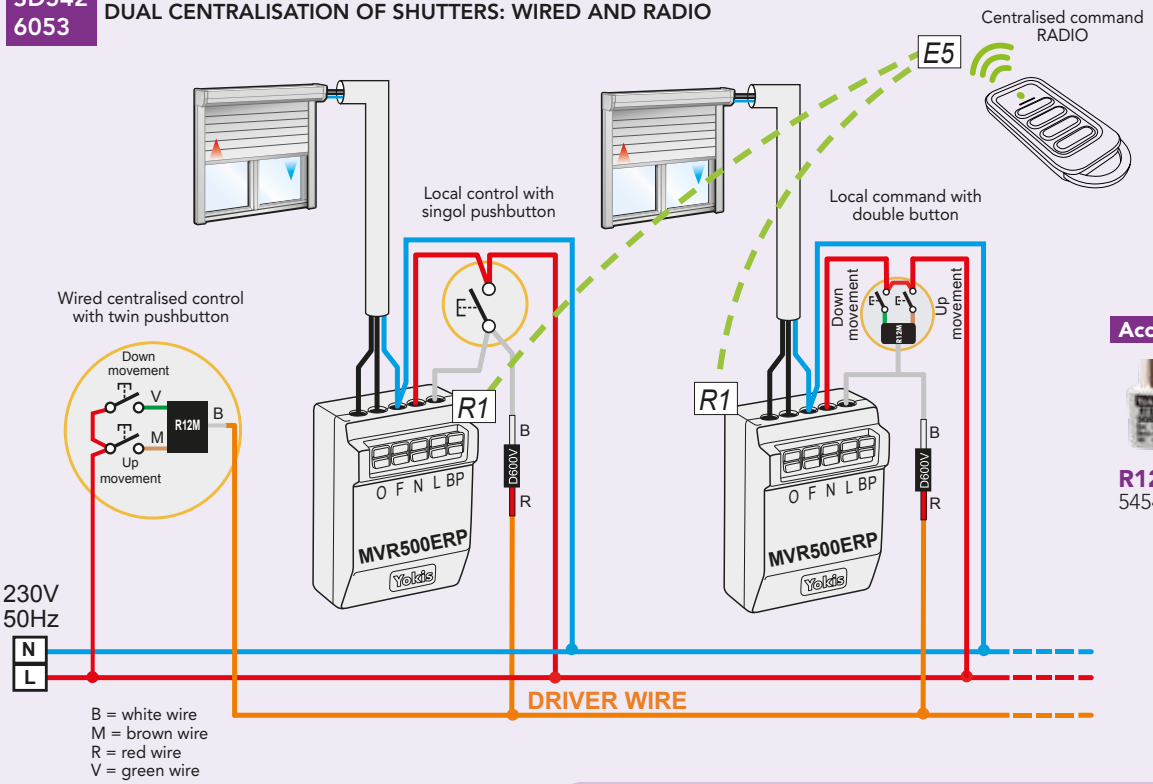


It is no longer necessary to lay the cable with the radio buttons of the TLM503 series.

WIRING DIAGRAMS

RADIO SHUTTERS

SD542 6053 DUAL CENTRALISATION OF SHUTTERS: WIRED AND RADIO



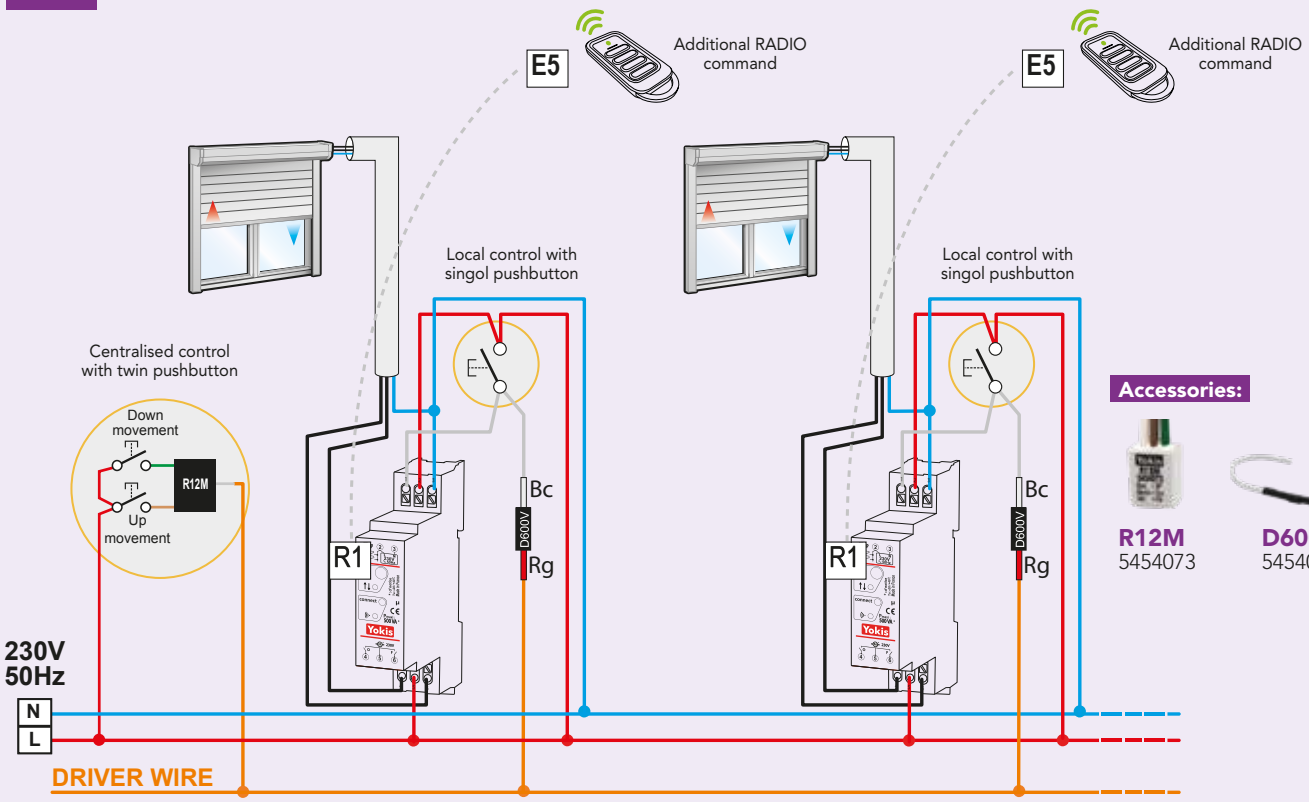
Accessories:

R12M 5454073

D600V 5454072

In order to achieve a totally wireless centralised system, avoid wiring the pilot wire and program the Radio Bus (see the Radio Handbook on page 64).

SD542 0033 SHUTTER CENTRALISATION WITH SINGLE LOCAL BUTTON



Accessories:

R12M 5454073

D600V 5454072

Also compatible with local double buttons, using R12M converters.

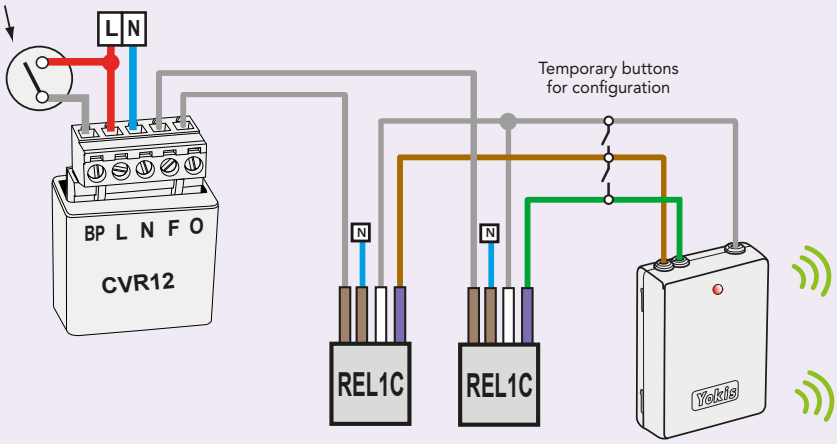
WIRING DIAGRAMS

RADIO SHUTTERS

SD542 6303 RADIO CONTROL, FROM AN AUTOMATIC CONTACT, OF ONE OR SEVERAL WINDOW SHUTTERS

Automatic contact

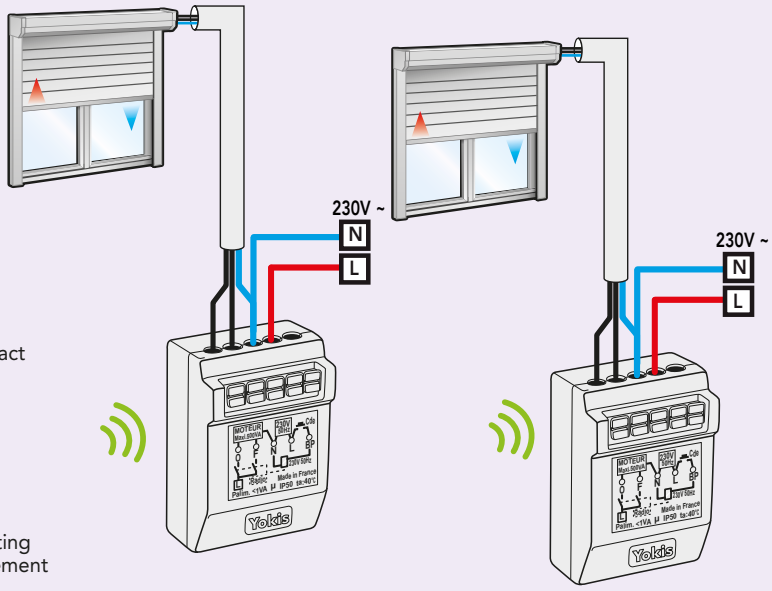
- Automatic contact: time programmer, twilight sensor, anemometer, presence detector, etc.



Accessories:

CVR12
5454807

REL1C
5454081



POSSIBLE CONFIGURATIONS

- The wiring diagram, with 2 REL1Cs, and the procedure described below enable the shutter to be controlled as it rises when the contact is closed and descends when it is opened.
- To obtain the opposite, i.e. the upward movement of the shutter when the contact is opened and the downward movement when it is closed, simply swap the two wires connected to terminals 'F' and 'O' of the CVR12 module.
- It is also possible to connect only one REL1C and thus obtain only the upward movement when the contact is closed (by connecting only the left REL1C to the brown wire) or only the downward movement when the contact is opened (by connecting only the right REL1C to the green wire).
- If only one of the two REL1Cs has been connected, limit the operation - following the procedure described below - to the configuration of the connected wire only.

Connection of brown wire and definition of light on when contact is closed.

- **1/ Connect a temporary button** to the E2BPP, between the **brown** wire and the **white** wire.
- **2/** Apply **5 short presses**. The LED will blink.
- **3/** While the LED is blinking, press the "connect" hole on the back of the MVR500ERP.
- **4/** The receiver relay switches for confirmation and the transmitter LED stops blinking.
- **5/** Repeat steps 2-4 if there are more MVR500ERPs.
- **6/** Apply **10 short presses** on the **brown** channel (Configuration Menu). The LED will blink quickly.
- **7/** While the LED is blinking, **press 3 times** on the **brown** channel to define the upward movement function. The LED will blink **3** times for confirmation.

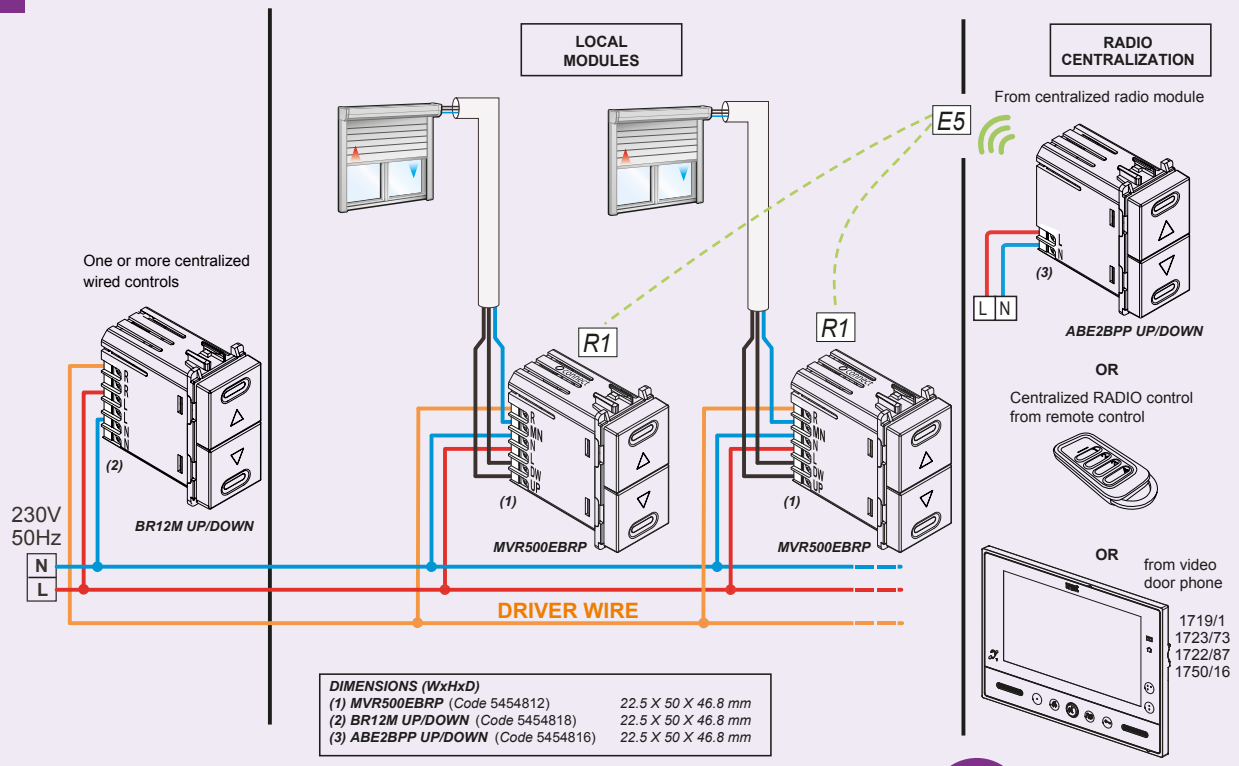
Connection of green wire and definition of downward movement at contact opening.

- **1/ Connect a temporary button** to the E2BPP, between the **green** wire and the **white** wire.
- **2/** Apply **5 short presses**. The LED will blink.
- **3/** While the LED is blinking, press the "connect" hole on the back of the MVR500ERP.
- **4/** The receiver relay switches for confirmation and the transmitter LED stops blinking.
- **5/** Repeat steps 2-4 if there are more MVR500ERPs.
- **6/** Apply **10 short presses** on the **green** channel (Configuration Menu). The LED will blink quickly.
- **7/** While the LED is blinking, **press 4 times** on the **green** channel to define the upward movement function. The LED will blink **4** times to confirm.

WIRING DIAGRAMS

RADIO SHUTTERS

SD542 6055 DUAL CENTRALISATION OF SHUTTERS: WIRED AND RADIO



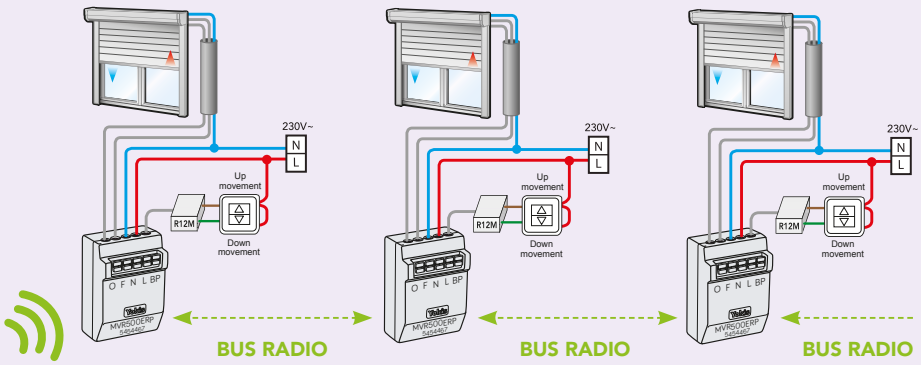
In order to achieve a totally wireless centralised system, avoid wiring the pilot wire and program the Radio Bus (see the Radio Handbook on page 64).

2voice CASE OF USE ON URMET 2VOICE VIDEO DOOR PHONE SYSTEM:

CENTRALISED RADIO CONTROL OF THE SHUTTERS FROM THE DOOR PHONE OR VIDEO DOOR PHONE

Having two buttons available on the monitor or door phone in order to close all the shutters when leaving the house, or open them when entering, is one of the many possible integrations between Urmet and Yokis. By using the Radio Bus to centralise the MVR500ERP modules, this function is totally wireless.

Video door phone vModo (code 1719/1) with integrated Yokis radio technology



Video door phone Mìro hands-free (code 1750/6)

Miro hands-free (code 1183/7)

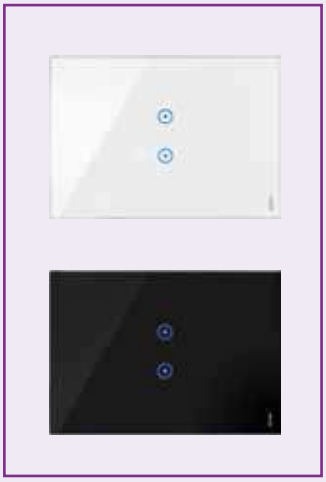
It is possible to interconnect modules with different functions, e.g. to close all shutters and switch off all lights simultaneously from a single radio button.

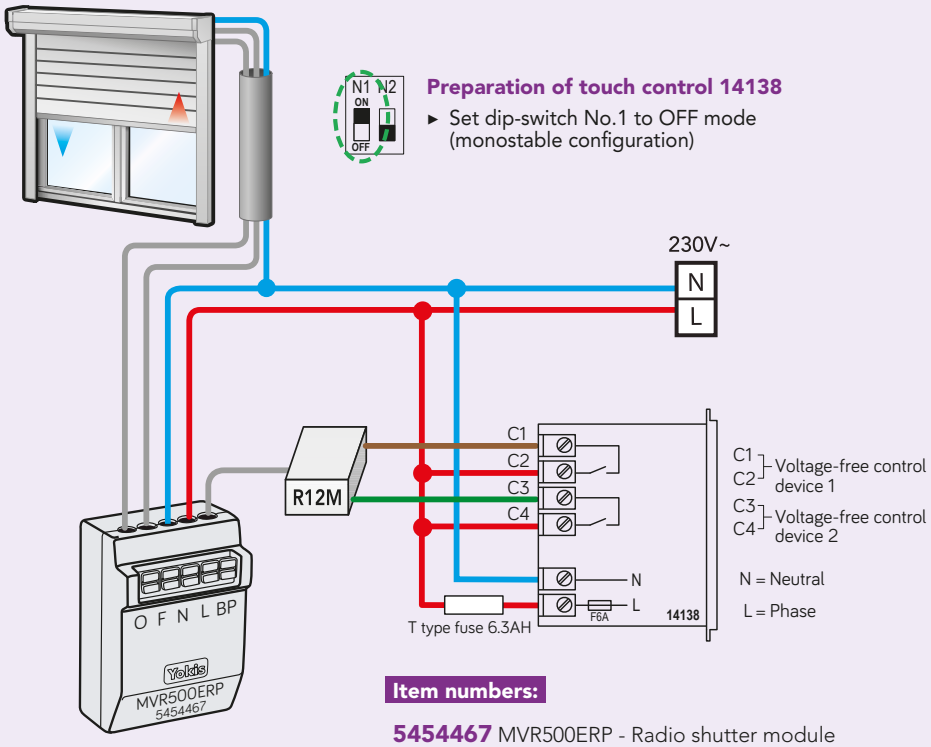
▸ NOTE: for configuration of the Yokis Radio Bus, see the Radio Handbook on page 64.

WIRING DIAGRAMS

RADIO SHUTTERS

SD542 6002 SYSTEM DIAGRAM WITH MULTIFUNCTION RADIO RELAY AND SIMON URMET EXPÌ TOUCH





Preparation of touch control 14138

- Set dip-switch No.1 to OFF mode (monostable configuration)

Item numbers:

5454467 MVR500ERP - Radio shutter module
5454073 R12M - Double button interface (pack of 5)
14138 - Electronic superimposed touch control

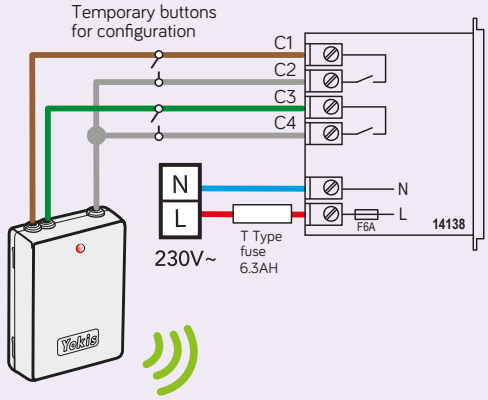
ADDITION OF OPTIONAL SOFT-TOUCH RADIO CONTROLS

Connection of brown wire and definition of light on when contact is closed.

- **1/ Connect a temporary button** to the E2BPP, between the **brown** wire and the **white** wire.
- **2/** Apply **5 short presses**. The LED will blink.
- **3/** While the LED is blinking, press the "connect" hole on the back of the MVR500ERP.
- **4/** The connection is successful if the relay of receiver switches and the transmitter LED stops blinking.
- **5/** Apply 10 short presses on the **brown** channel (Configuration Menu). The LED will blink quickly.
- **6/** While the LED is blinking, **press 3 times** on the **brown** channel to define the upward / stop movement function. The LED will blink **3** times to confirm.

Connection of green wire and definition of downward movement at contact opening.

- **1/ Connect a temporary button** to the E2BPP, between the **green** wire and the **white** wire.
- **2/** Apply 5 short presses. The LED will blink.
- **3/** While the LED is blinking, press the "connect" hole on the back of the MVR500ERP.
- **4/** The connection is successful if the relay of the receiver switches and the transmitter LED stops blinking.
- **5/** Apply 10 short presses on the **green** channel (Configuration Menu). The LED will blink quickly.
- **6/** While the LED is blinking, **press 4 times** on the **green** channel to define the downward movement/stop function. The LED will blink **4** times for confirmation.



Item numbers:

5454413 E2BPP - Flush-mounted 2-channel transmitter
14138 - Electronic superimposed touch control

For a connected installation, add item no. 5454495 (YOKISHUB).

Gates and swing closing

Control of swing or sliding gates and rolling shutters from transmitter or Yokis YnO application

Demand more from your gate!
Thanks to the Yokis automation micromodule, managing a gate in an integrated way and in everyday situations has never been easier.

IT is possible to control a gate locally or remotely, manage partial opening directly from the Yokis remote control or YnO application and view the status of the devices remotely with the YnO application.

AUTOMATION MICROMODULES
500W POWER RADIO ACTUATOR

MAU500ERP 5454475 Gate automation module

MAU500ERPX 5454476 Gate automation module with external antenna

The advantages

- Easy to install with wired connection directly to the motor board.
- All types of gates can be controlled: sliding type or swing type.
- Compatible with FAAC motors for controlling the opening status of the gate.
- Used to manage the partial opening of the gate and the and timing before automatic closing.
- With the YnO control application it is possible to check the status of your gate (open/closed) and control it locally or remotely (Yokis Hub required).
- Can be controlled via Yokis transmitters in these operating modes:
  - FAAC master
  - YOKIS master
  - Universal mode
- The MAU500ERPX is equipped with an external antenna which allows the signal to be moved outside of the motor control unit.
- Ideal for managing shutters / garage doors with a dedicated control unit.
- Suitable for control units with both NO and NC activation.
- The use of the antenna version allows the signal to be moved around radio obstacles (stone walls, metal walls, etc.).

Creating tailor-made scenarios for your customers

Example: Return from work =
Opening the gate +
driveway lighting +
porch lighting +
opening living room shutters

Radio handbook > page 64

COMPATIBLE
with Yokis Pro
and application YnO

Requires a Yokis hub

Radio power features:

- Radio coverage:
  - inside a house < 100 m²
  - through a load-bearing wall or slab
  - 250 m unobstructed field of view
- Frequency: 2.4 GHz
- Two-way transmission with notification LED on transmitter

AUTOMATION MODULES

500W POWER RADIO ACTUATOR

TECHNICAL FEATURES

Network voltage	230V ~ (+10% -15%) - 50Hz
Consumption	< 1VA - < 0.3W
Ambient temp.	from -20 °C to +40 °C
Relative humidity	from 0 to 70%
Maximum load	2A - 24VDC
Dimensions (mm)	H:58 / L: 84 / P:20

FUNCTIONAL FEATURES

- The MAU500ERP(X) must be connected to the motor control unit, and not directly t o the motors.
- It allows the sliding or swing gate to be easily controlled with Yokis remote controls or from the YnO smartphone app.
- Manages partial opening and closing timing, to monitor the status of the gate in real time (FAAC or compatible motor).
- All wiring diagrams are available on our website **www.yokis.com**.

ITEM NUMBER TABLE

	Serial number	Item number	P.
Module Automation systems	MAU500ERP	5454475	47
Automation module with external antenna	MAU500ERPX	5454476	47

STANDARDS AND CERTIFICATIONS

MAIN FUNCTIONS

Yokis Master mode

This is the factory-set mode. In this mode, the Yokis ecosystem prevails over the gate electronics and the gate remote controls are not operational. On the other hand, it is possible to add features such as timed gate closure. In addition, Yokis Master mode settings can be accessed and changed from the YokisPro and YnO Apps without having to physically intervene on the gate.
All safety functions remain operational.

FaaC Master Mode

This mode is only compatible with FAAC motors from 2018 onwards. The control is managed by the FAAC board; the timing of the gate is managed directly according to the time set on the equipment board. This mode allows FAAC and Yokis remote controls to be used simultaneously. The MAU500ERP module controls the Open, Stop and Close inputs of the equipment with short pulses.

Universal Mode

It works independently of the gate's "Closed status" information. This mode allows any compatibility problems to be resolved. The MAU500ERP module controls the Open, Stop and Close inputs of the equipment with short pulses.

MODULE CONFIGURATION TABLE

- On all transmitters, the LED comes on only if the radio transmission was successful.

Touches*	Duration	Replies
11	2 minutes	1 blink
12	4 minutes	2 blinks
13	8 minutes	3 blinks
14	15 minutes	4 blinks
15	30 minutes	5 blinks
16	60 minutes (1 hour)	6 blinks
17	120 minutes (2 hours)	7 blinks
18	240 minutes (4 hours)	8 blinks
19	Unlimited (default)	9 blinks

Touches*	Duration	Replies
21	Configuration lock	1 blink
23	Configuration unlock	3 blinks
24	Automatic closing on start-up	4 blinks
25	Duration in seconds	5 blinks
26	Duration in minutes	6 blinks
27	FAAC Master Mode	7 blinks
28	Yokis Master Mode (default)	8 blinks
29	Universal Mode	9 blinks
30	Reset to default values	2 blinks

Configuration in seconds

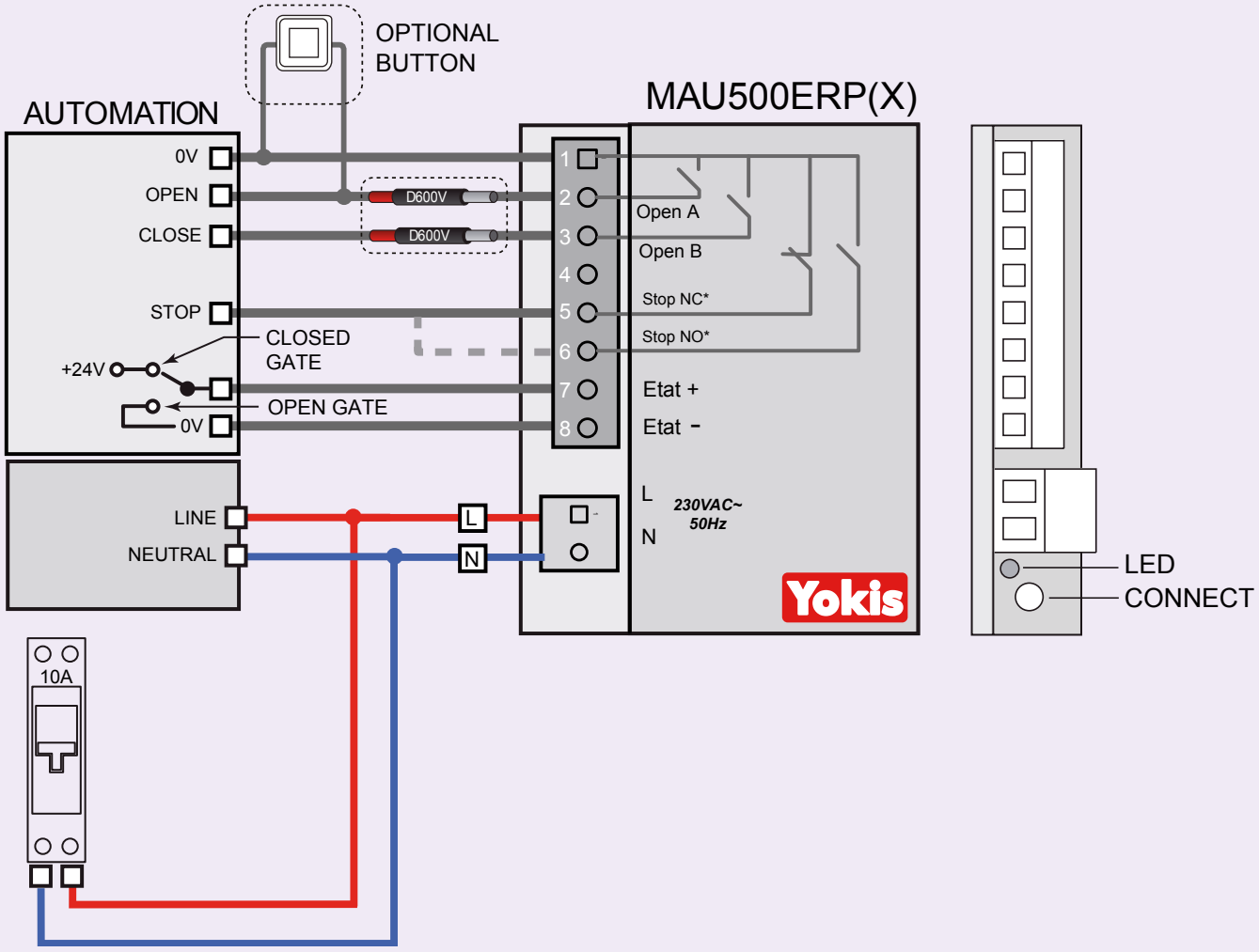
* successive SHORT TOUCHES of the button (0.8 seconds max. interval)
The durations, normally set in minutes (default) can be changed into seconds with 25 short touches (reply: 5 blinks).
To switch back to minutes, perform 26 short touches (reply: 6 blinks).

Example:
Configuration of a 15-second duration:
1 - 25 touches (reply: 5 blinks) to select the seconds.
2 - 14 touches (reply: 4 blinks) to set a 15-second duration.

In order to configure the MAU module by means of a Yokis transmitter, it is essential that the transmitter button is in the standard bistable mode (corresponding to 10 touches +1), the mode in which it is automatically set-up following the connection described above.

WIRING DIAGRAMS

500W POWER RADIO ACTUATOR



* Wire the automation STOP according to the operation mode of the automation to be controlled:
> on terminal 5 of the MAU500ERP(X) in case of STOP with NO contact
> on terminal 6 of the MAU500ERP(X) in case of STOP with NC contact (e.g. FAAC automation)

Yokis load control system

To prevent blackouts due to high electricity consumption

Device for automatic load management: it monitors total energy consumption and, if necessary, disconnects loads, differentiating them by up to 8 pre-assigned priority levels.

System based on Yokis Radio, consisting of the following elements:
- Central control unit MD3300ERP (item no. 5454801): monitors total consumption and commands the disconnection of loads, according to the priorities assigned to them.
- Yokis radio relay independently or manually controlled by the central load control unit through radio or wired controls or the YnO App.

DIN RAIL MICROMODULE
LOAD MONITORING MODULE

MD3300MRP 5454801 Load monitoring module

The advantages

- Control of loads according to 8 common or separate load disconnection priorities.
- Configuration of maximum consumption limit and priority associated with each load.
- Manual installation directly from device display or via the YokisPro Installer App.
- This can also be managed remotely thanks to the Yokis Hub and YnO App.
- Easy to install: no need for dedicated wiring to connect loads, thanks to radio communication.
- Allows local and remote control via the YnO App.

Through the YnO App it is possible to:

- Receive threshold exceedance notifications
- Real-time consumption monitoring
- Manually activate/deactivate loads
- Check consumption over different time intervals
- Change priority and threshold settings
- Associate relays with control units
- Associate scenarios, either as a trigger event or as an action

Radio handbook > page 64

COMPATIBLE
with Yokis Pro
and application YnO

Requires a Yokis hub

Radio power features:

- Radio coverage:
  - inside a house < 100 m²
  - through a load-bearing wall or slab
  - 250 m unobstructed field of view
- Frequency: 2.4 GHz
- Two-way transmission with notification LED on transmitter

RADIO POWER LOAD MONITORING KIT
1054/9

RADIO POWER LOAD MONITORING KIT

Radio automation kit for managing 2 loads.

Kit contents:

- 2x 5454462 - MTR2000ERP
- 1x 5454801 - Radio power load monitoring

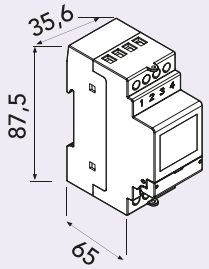
See page 52 for wired connection diagram.

DIN RAIL MODULE

LOAD MONITORING MODULE

TECHNICAL FEATURES

Power supply	230V AC (-10% +10%) - 50/60 Hz
Maximum self-consumption	4 VA
Maximum direct current	32A (Shunt method)
Permissible power range	0.8...7kW
Pre-alarm time (Ton)	10...9999 sec.
Reset time (Toff)	10...9999 sec.
Maximum cable cross-section	6 mm2
Dimensions	2 DIN modules



FUNCTIONAL FEATURES

- The MD3300MRP device is designed to control electrical loads so as to prevent, in case of simultaneous switching on of several devices, the occurrence of an overload that may cause the mains power switch to be disconnected. It is necessary to associate the MD3300MRP load monitoring device with one or more MTR2000ERP(X) or MTR2000MRP(X) radio receiver relays (up to 7 directly connected and a maximum of 8 if the Yokis Radio Bus is used) which must be inserted in the flush-mounted boxes of the sockets to be monitored. The load monitoring device and the actuators communicate via radio.
- If the absorbed power exceeds the threshold set for the pre-alarm time (Ton), the MD3300MRP load monitoring device disconnects the loads, starting with the lowest priority (8 priorities), until the absorbed power value is lower than the intervention threshold. The loads are inserted in reverse order after the alarm reset time (Toff).
- All wiring diagrams are available on our website **www.yokis.com**.

RADIO FEATURES

- Radio coverage:
  - inside a house < 100 m²
  - through a load-bearing wall or slab
  - 250 m unobstructed field of view
- **Frequency**: 2.4 GHz
- **Transmission**: Two-way with notification LED on transmitter

ITEM NUMBER TABLE

	Serial number	Item number	P.
Load monitoring module	MD3300ERP	5454801	51

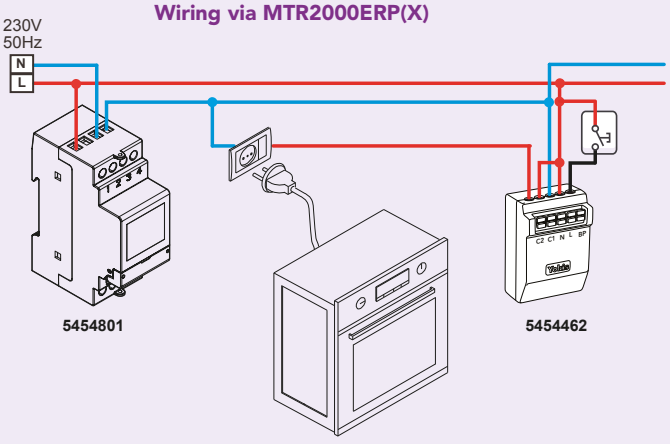
STANDARDS AND CERTIFICATIONS

WIRING DIAGRAMS

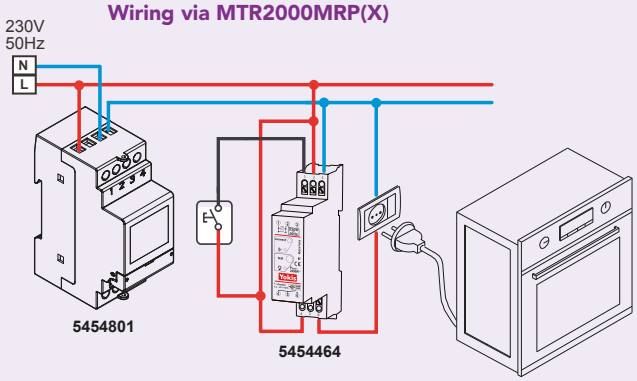
LOAD MONITORING MODULE

DS1054 067 STANDARD WIRING

Wiring via MTR2000ERP(X)



Wiring via MTR2000MRP(X)



WIRING DIAGRAMS

LOAD MONITORING MODULE

EXAMPLE OF USE WITH REMOTE OPERATION ON YNO APP

Load monitoring of sockets in the garage

Check and disconnection of socket due to overload

Monitoring of various devices within a room, including the load of a socket

Connected chronothermostat

Simple temperature management in the home

The Yokis ecosystem is enriched with the new thermoregulation function, with the new THERMARP chronothermostat with integrated Yokis radio: simple to install and able to adapt to multiple system requirements (underfloor, with radiators, fan-coils or split/multi-split systems), being able to manage the elements of the heating system via radio. Easy to use thanks to the touch display, the YnO App, both in local and remote operation, and the voice commands.

A comfortable temperature in the home is also achieved by devices that regulate heat and reduce energy consumption.

RADIO **CHRONOTHERMOSTAT**

THERMARP	5454489	Wired and radio smart chronothermostat

The advantages

- Thanks to the 5.2" touch display with white backlight and an intuitive menu, it is easy to use.
- Thanks to its battery power supply and built-in radio antenna, it can be installed anywhere, without the need for any preparation.
- Automatic management with weekly programming and management of summer and winter modes.
- Thanks to the manual timing function (Boost), once the set period has elapsed (30-60-90 min.), the heating returns to the automatic function, avoiding any waste.
- Three temperature levels: T1, T2, T3 + antifreeze function.
- It can be integrated with the Yno App scenarios.
- Equipped with smart algorithm with proportional function: THERMARP sets the thresholds according to the thermal inertia of the room where it is located, ensuring the best performance for every type of system.
- Possibility of managing several zones centrally, with a chronothermostat for each zone (max. 6 THERMARPs) and Yokis Hub.
- A connected chronothermostat can achieve up to 30% energy savings.
- Possibility of using a wired external temperature probe (**item no. 5454488 THERMPROBE**), for applications with a radiant floor system.
- No preparation or flush-mounting box is required.
- Thanks to its ON/OFF or modulating operation, it can be installed in any type of system: underfloor, with radiators, fan-coils or split/multi-split systems.
- Thanks to the screen lock PIN, it can be installed in public spaces and common areas without the risk of unwanted programming changes.
- With the YnO app you can also manage several THERMARPs from separate installations, and share THERMARP management with as many users as you wish (B&B management).
- Remote control and usage data: thanks to the YnO App it is possible to consult the consumption history according to the periods of activation of the system.

Radio handbook > page 64

COMPATIBLE
with Yokis Pro
and application YnO

Requires a Yokis hub

Radio power features:

- Radio coverage:
  - inside a house < 100 m²
  - through a load-bearing wall or slab
  - 250 m unobstructed field of view
- Frequency: 2.4 GHz
- Two-way transmission with notification LED on transmitter

Temperature setting

Timer setting

ACCESSORIES

THERMPROBE 5454488 **- Wired temperature probe for chronothermostat.**

RADIO MODULE

RADIO CHRONOTHERMOSTAT

TECHNICAL FEATURES

Power supply	2 x 1.5V batteries (type AAA)
Protection	IP40
Wall	mounted
Accuracy of measurement	+/- 0.5 °C
Configuration definition	0.1 °C
Hysteresis	Adjustable from 0.1 °C to 1 °C
Mode	Winter / Summer
Programming	7 programmable days level of definition 15 min
Ambient temp.	from 0 °C to 50 °C
Relative humidity	from 20 to 90%
Dimensions (mm)	H: 85 / L: 125 / D: 26

FUNCTIONAL FEATURES

- 5.2" touch display with white backlighting.
- Summer/Winter management.
- Automatic management with weekly and manual programming.
- Timed manual mode, without losing the existing programming.
- Powered by batteries (2 AAA), lasting at least one year.
- No need for any preparation or flush-mounting box.
- Three temperature levels: T1, T2, T3 + antifreeze function.
- Two wired inputs: one for boiler control (dry contact) and the other for external temperature probe.
- It is equipped with a Yokis radio module, thus being able to interact with the Yokis ecosystem.
- Control of the boiler relay for temperature control with an MTR2000ERP(X) or an MTR2000MRP(X).
- Possibility of managing several zones centrally, with a chronothermostat for each zone (max. 6 THERMARPs and Yokis Hub required).

ITEM NUMBER TABLE

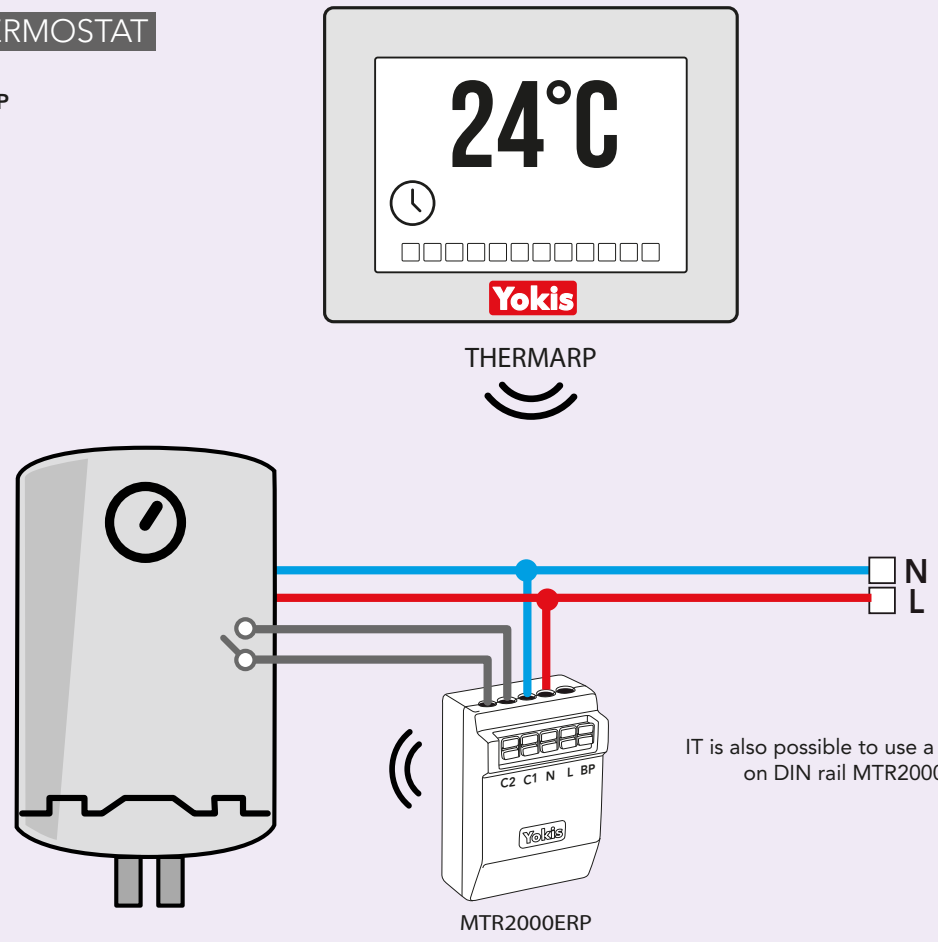
	Serial number	Item number	P.
Radio thermostat	THERMARP	5454489	55

STANDARDS AND CERTIFICATIONS

WIRING DIAGRAMS

RADIO CHRONOTHERMOSTAT

SD 31C USING THE THERMARP FOR BOILER HEATING



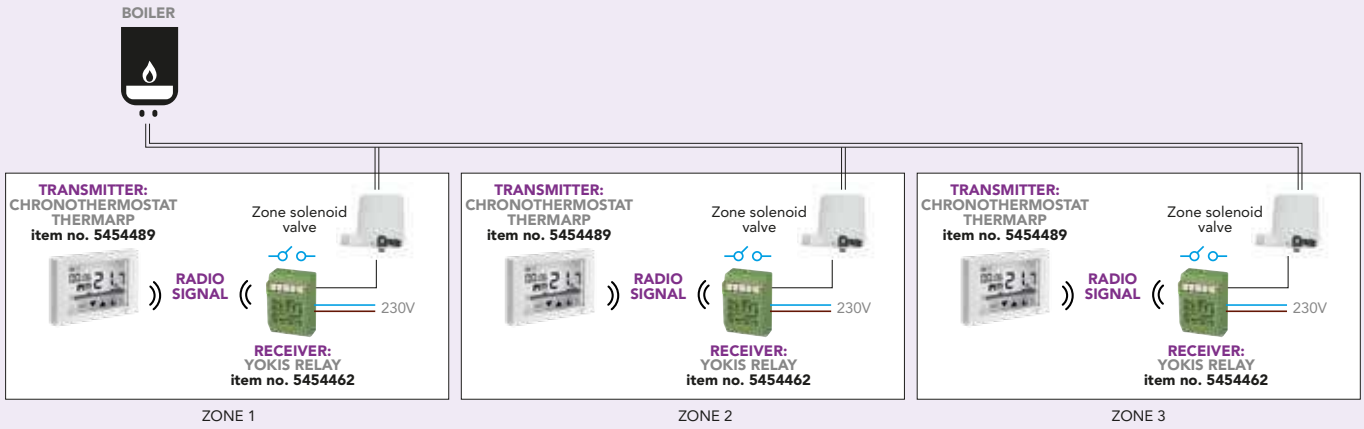
IT is also possible to use a timed relay on DIN rail MTR2000MRP

WIRING DIAGRAMS

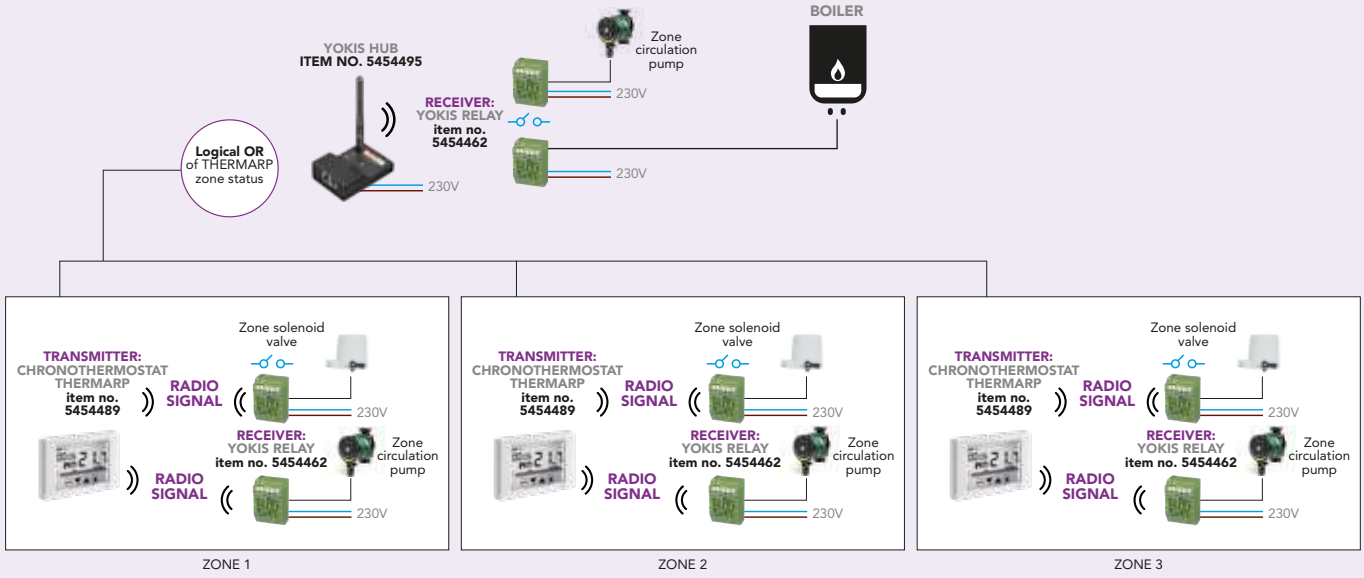
RADIO CHRONOTHERMOSTAT

STAND-ALONE MODE (WITHOUT YOKIS HUB)

INDEPENDENT THERMARPS WITH SEVERAL ZONE SOLENOID VALVES (WITH WIRED PRESET BETWEEN ZONE SOLENOID VALVES AND BOILER)



INDEPENDENT THERMARPS WITH SEVERAL ZONE SOLENOID VALVES AND SEVERAL CIRCULATION PUMPS



Radio transmitters

Functional and practical for the end user

Yokis boasts a wide range of radio transmitters, in order to offer the user multiple control solutions suitable to each installation requirement.
The Yokis range includes the following types of transmitter: key chain (with 2, 4 and 8 buttons), table-top (with 1 and 4 buttons), wall-mounted (with 1, 2 and 4 buttons), flush-mounted (with 2 or 4 channels) and 50X flush-mounting box with the Simon Urmet line.
The range of transmitters is compatible with all types of Yokis radio receivers: relays, dimmers, shutter modules and gate management modules, and can generate, in addition to direct commands, centralisation commands and scenario activation.
They are easy to install and configure: through the YokisPro App for the installer, but also from the YnO App directly by the end user.

RECESSED TRANSMITTERS

E2BPP	5454413	2-channel transmitter for buttons
E2BPPX	5454414	2-channel transmitter for buttons with external antenna
E4BPP	5454427	4-channel transmitter for buttons
E4BPPX	5454428	4-channel transmitter for buttons with external antenna
ABE2BPP ON/OFF	5454815	Radio device for light remote control
ABE2BPP UP/DOWN	5454816	Radio device for shutter remote control

E2BPP: 2-channel
E4BPP: 4 channels

- **Multifunctional flush-mounted transmitters:** each channel can control any Yokis radio product (lighting, roller shutters, scenarios, etc.).
- It can be wired behind any commercially available set of electrical panels and can be positioned on the bottom of the flush-mounted box.
- It can be operated by button, switch or any potential-free contact.
- Available in a version with an external antenna to divert the signal in the event of an obstacle.
- Transmitter powered by a standard CR2032 battery (average battery life > 5 years).
- Free antenna holder supplied with external antenna version.

SMART SWITCHES

- **Multifunctional 50X transmitters:** each channel can control any Yokis radio product (lighting, roller shutters, scenarios, centralisation, etc.).
- Powered transmitter (230V).
- For installation on 50X type pre-settings of the Simon Urmet NEA line.
- Equipped with two blue LEDs for identification in the dark.
- Supplied with fitted matt white and optional anthracite button cover inside the package.

WALL-MOUNTED TRANSMITTERS

TLM1T45P	5454417	WLP 1-pushbutton wall-mounted RF switch
TLM2T45P	5454419	WLP 2-pushbutton wall-mounted RF switch
TLM4T45P	5454421	WLP 4-pushbutton wall-mounted RF switch
TLM1T503	5454600	Wall-mounted 1-button radio transmitter
TLM2T503	5454601	Wall-mounted 2-button radio transmitter
TLM4T503	5454602	Wall-mounted 4-button radio transmitter

WALL-MOUNTED CONTROLS

Based on Simon Urmet Nea Expi white plastic design, compatible with 3-module flush-mounting boxes. Ideal in the case of concealed sliding doors and for integrating the system with new control points, without the need for masonry work, as it can be fixed to a surface with two dowels or with the double-sided adhesive tape provided.

- Battery powered (CR2032) with an average life of more than 5 years.

The products are supplied complete with support for flush-mounting box 503. They can be installed on flush-mounting box 503 or on any flat surface using double-sided adhesive tape.

REMOTE CONTROLS

TLC1TP 5454430 Design radio remote control with 1 button

TLC2TP 5454431 Design radio remote control with 2 buttons

TLC4TP 5454432 Design radio remote control with 4 buttons

TLC8TP 5454434 Design radio remote control with 8 buttons

GALET4TP 5454433 Remote control Design radio with 4 buttons

Remote controls from 1 to 8 channels

- **Multifunctional transmitters:** each channel can control any Yokis radio product (lighting, roller shutters, scenarios, etc.).
- From 1 to 8 independent channels for the combined management of lighting, shutters, automations, centralisation and scenarios.
- Customisable remote controls with the Yokis YnO home management application (Yokis Hub required).

Radio handbook > page 64

COMPATIBLE
with Yokis Pro
and application YnO

Requires a Yokis hub

Radio power features:

- Radio coverage:
  - inside a house < 100 m²
  - through a load-bearing wall or slab
  - 250 m unobstructed field of view
- Frequency: 2.4 GHz
- Two-way transmission with notification LED on transmitter

Strengths of YOKIS:

- Yokis Radio transmitters use a two-way communication system, i.e. each command sent corresponds to the corresponding feedback of its receipt, and each Yokis Radio receiver module is addressed by a unique and protected identification code, making radio transmission safe and reliable.

ACCESSORIES

COQTLC2-4-8TP 5454080 **- Support TLC1-2-4TP.**
Compatible with remote controls:
TLC1TP (5454430), TLC2TP (5454431),
TLC4TP (5454432) and TLC8TP (5454434).

SUPTLC1-2-4TP 5454087 **- Shell TLC2-4-8TP.**
Compatible with remote controls:
TLC2TP (5454431) and TLC4TP (5454432).

RAL60 5454083 **- 60 cm extension for outdoor antenna.**
RAL200 5454084 **- 200 cm extension for external antenna.**

SUP01 5454085 **- Antenna support for horizontal or vertical installation.**

A2F 5454079 **- Package with no. 10 button adhesives.**

Each TLM transmitter comes with double sided wall tape.

Products are supplied with support for round box (diam. 60 mm), square cover plate and pushbutton 45x45 mm.

RADIO TRANSMITTERS

RADIO FEATURES

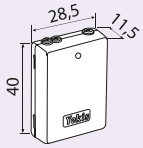
- Radio coverage:
  - inside a house < 100 m²
  - through a load-bearing wall or slab
  - 250 m unobstructed field of view
- **Frequency**: 2.4 GHz
- **Transmission**: Two-way with notification LED on transmitter

If the LED is not blinking this does not indicate a battery fault, but a failed radio transmission.

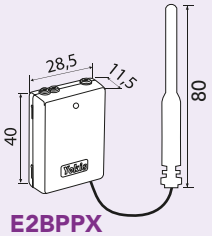
- **Batteries:** standard, CR2032 lithium type.
- **Useful life of batteries:** > 5 years.
- The batteries are replaced by opening the container with a flat-blade screwdriver. Data are retained.

TECHNICAL FEATURES

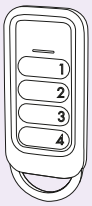
Max. receivers per channel	4 in direct connection or unlimited in centralisation
Operating temperature	- 10 °C + 50 °C
Protection	IP54
Relative humidity	maximum 70%
Dimensions (mm)	Antenna Cable length: 250 mm



E2BPP
E4BPP

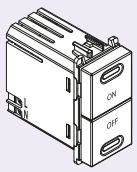


E2BPPX
E4BPPX

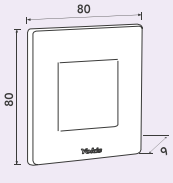


TLC4TP
TLC1TP
TLC2TP
TLC8TP

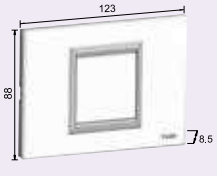
GALET4TP



ABE2BPP ON/OFF



TLM1T45P
TLM2T45P
TLM4T45P



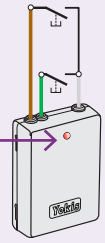
TLM1T503
TLM2T503
TLM4T503

ITEM NUMBER TABLE

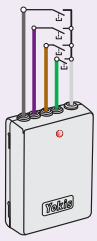
Power Transmitters	Item number	Serial number	P.
2-channel flush-mounted transmitter	E2BPP	5454413	59
2-channel flush-mounted transmitter with external antenna	E2BPPX	5454414	59
4-channel flush-mounted transmitter	E4BPP	5454427	59
4-channel flush-mounted transmitter with external antenna	E4BPPX	5454428	59
1-button radio Design remote control	TLC1TP	5454430	60
2-button radio Design remote control	TLC2TP	5454431	60
4-button radio Design remote control	TLC4TP	5454432	60
8-button radio Design remote control	TLC8TP	5454434	60
4-button radio Design remote control	GALET4TP	5454433	60
Extra flat 1-channel wall-mounted transmitter	TLM1T503	5454600	59
Extra flat 2-channel wall-mounted transmitter	TLM2T503	5454601	59
Extra flat 4-channel wall-mounted transmitter	TLM4T503	5454602	59
Radio device for centralisation of the light	ABE2BPP ON/OFF	5454815	59
Radio device for shutter centralisation	ABE2BPP UP/DOWN	5454816	59

SD 033 WIRING PRINCIPLE OF A FLUSH-MOUNTED TRANSMITTER

On all transmitters, the LED only lights up when the radio transmission is successful.



E2BPP(X)



E4BPP(X)

It is not necessary to use all channels, only one channel can be used with a single button.

Switches can be wired instead of buttons if the receivers are radio toggle relay modules.

EASY CONNECTION

Connection of transmitters with Yokis radio receivers (direct connection).
NOTE: The receiver must be powered.

Step 1: E5

On the transmitter, quickly touch the pushbutton you wish to connect for 5 times.
The transmitter LED will start blinking quickly for 30 seconds, indicating that it is waiting for a connection.

Step 2: R1

While the transmitter LED is blinking, insert the tip of a pencil in the "connect" hole on the receiver (located on the back of the casing) and press lightly.
If the connection is successful, the receiver LED blinks once and the transmitter LED stops blinking.

- With the MTR2000ERP(X) and the MTR2000MRP(X), the E2BPP(X) and the E4BPP(X) can be wired behind either a button or a switch (refer to diagram SD18 on page 27):

Warning! Program the transmitter in "instant" mode before connecting it to the switch.

- Each button can control up to 4 receivers in direct connection.
- In Radio Bus mode, each button can control an unlimited number of receivers, as long as the receivers are interconnected.
- It is not possible to use buttons equipped with light indicator.

STANDARDS AND CERTIFICATIONS

CE WARRANTY 5 YEARS MADE IN EU

Radio centralisation

Centralising lights and shutters with a radio control unit

Each radio micromodule is able to repeat the signal, thus extending the coverage area of the Yokis Radio Bus, which can therefore achieve unlimited extensibility.

Scalability: the system can evolve both in the number of modules and with the addition of new functions, simply by adding more Yokis micromodules.

The connections between the transmitters belonging to the Yokis Radio Bus can be linear, star or mixed (see the Radio Handbook on page 64); useful for getting around any obstacles.

All products, receivers and transmitters, are automatically recognised by the YokisPro system configuration application for professionals.

No specific hardware is required to program the transmitters and receivers, all you need is an Android tablet with the professional YokisPro app and the Yokey USB key.

LIGHTS

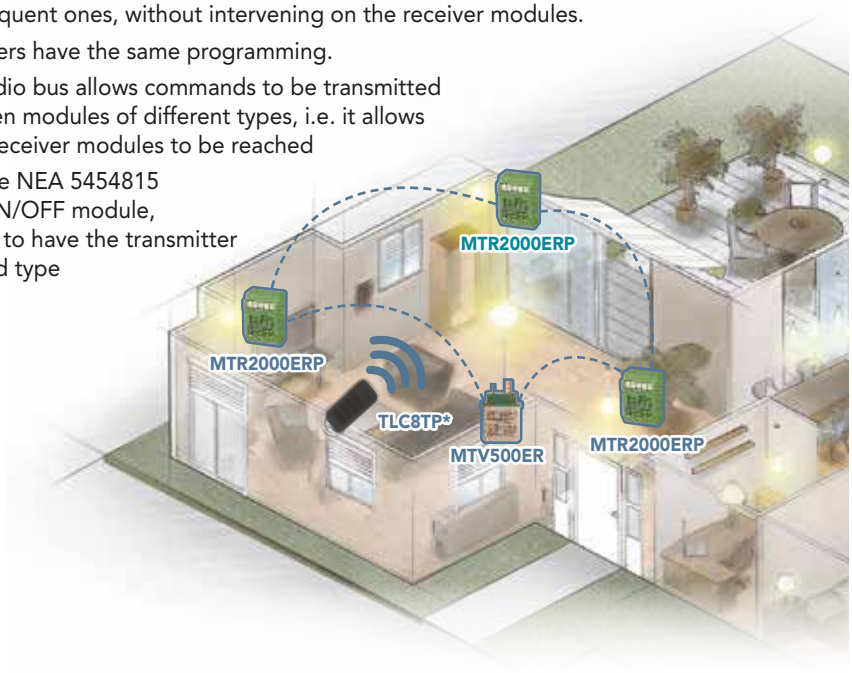
RADIO CENTRALISATION IN THE SAME ROOM

MTR2000ERP
5454462
MTV500ER
5454454
MTR2000MRP
5454464
MTR1300EBRP
5454811

Good to know

- It is possible to duplicate transmitters by copying the settings of the first one to the subsequent ones, without intervening on the receiver modules.
- All transmitters have the same programming.
- The Yokis radio bus allows commands to be transmitted even between modules of different types, i.e. it allows all types of receiver modules to be reached
- Thanks to the NEA 5454815 ABE2BPP ON/OFF module, it is possible to have the transmitter as a powered type

YOKIS RADIO TRANSMITTERS



*** possible with all Yokis radio transmitters**

WINDOW SHUTTERS

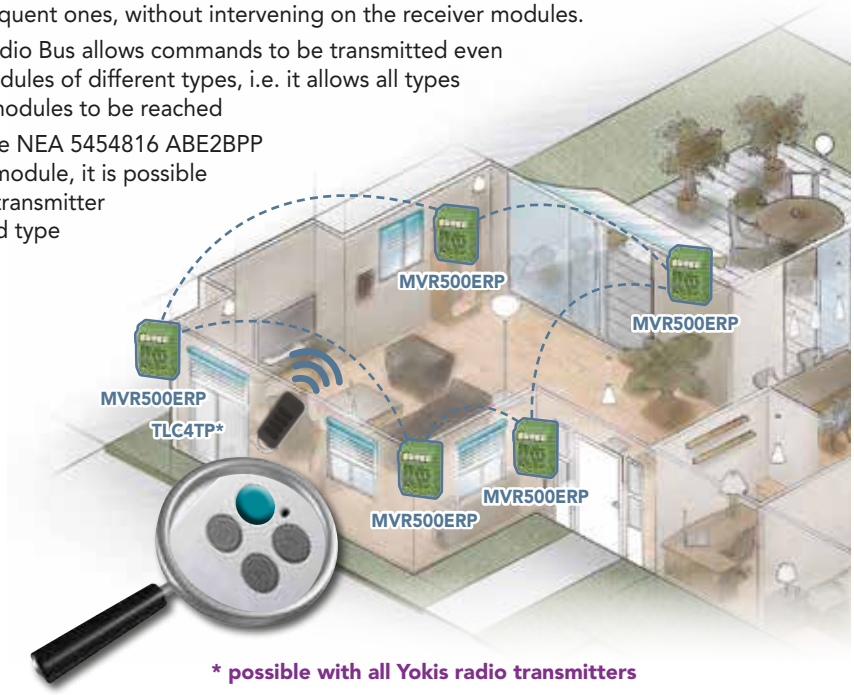
RADIO CENTRALISATION IN THE SAME ROOM

MVR500ERP
5454467
MVR500MRP
5454469
MVR500EBRP
5454812

Good to know

- It is possible to control all shutter modules in the same room from a single transmitter.
- It is possible to duplicate transmitters by copying the settings of the first one to the subsequent ones, without intervening on the receiver modules.
- The Yokis Radio Bus allows commands to be transmitted even between modules of different types, i.e. it allows all types of receiver modules to be reached
- Thanks to the NEA 5454816 ABE2BPP UP/DOWN module, it is possible to have the transmitter as a powered type

YOKIS RADIO TRANSMITTERS



*** possible with all Yokis radio transmitters**

Radio handbook

Switching on, switching off or timing any type of installation

Thanks to the 2.4GHz Bus Radio technology developed by YOKIS,
you can have a high-performance radio network covering your entire home.

Whether you need to create grouped orders, centralisation zones or the most complete scenarios, Radio POWER **products allow you to meet all the requirements of your installation without having to do any work and to offer your customers connected and modular solutions that can be controlled locally or remotely**.

All the procedures described below relate to the manual programming of the radio modules (without the aid of tablets and Yokey).

The professional app YokisPro automates and simplifies configuration steps such as creating a Radio Bus, defining transmitters and much more.

The App also contains a guide to assist the installer in each section.

CONTENTS

A	Direct connection between transmitter and receiver	66
	Radio Bus - Step-by-step procedure for manual programming	68
B	Interconnection of receivers to define the “Radio Bus”	69
C	Grouping of receivers	71
D	Duplication of a transmitter	72
E	Range extension with the “Radio bus”	73
F	Grouped control of receivers	74
G	Scenario with transmitters	75
H	Transmitter configuration summary	78
I	Receiver configuration summary	79

YOKIS RADIO QUICK INSTALLATION GUIDE

A - DIRECT CONNECTION BETWEEN TRANSMITTER AND RECEIVER

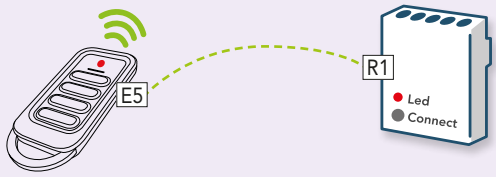
A direct connection is essential to control a receiver with a transmitter button (see § A-1a).
Once the connection has been made, the transmitter LED blinks once when the button is pressed (the command “press button” is transmitted) and blinks again when the button is released (the command “release button” is transmitted).

Each transmitter button can control up to 4 receivers in direct connection.
If several receivers are memorised on the same pushbutton, the control is centralised: all connected receivers are controlled simultaneously.
In the case of centralised controls, the LED will blink only when the button is pressed (and will not blink when it is released). Moreover, the LED only blinks if the radio transmission is correct. This means that, if the LED does not blink, it is necessary to verify that all receivers connected to this button are within the range of the radio control. Some of the receivers memorised on one pushbutton may no longer exist or may have been replaced. In this case, apply 21 short touches on the transmitter button to delete the incorrect radio connections (WARNING: carry out this operation when all receivers are within the range of the transmitter, otherwise they will be deleted).

All Yokis radio transmitters are compatible with all Yokis radio receivers.

A-1 DIRECT CONNECTION BETWEEN TRANSMITTER AND RECEIVER

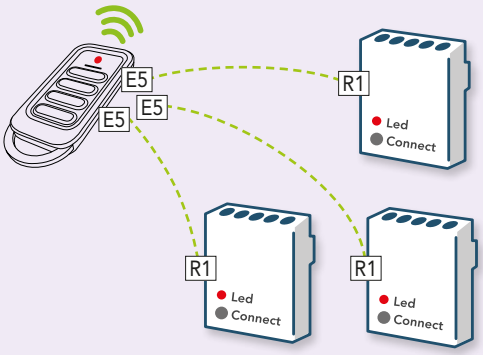
A-1a Connecting the button of a transmitter to a receiver



Suitable with all Yokis transmitters

Suitable with all Yokis receivers

A-1b Connecting the button of a transmitter to three receivers



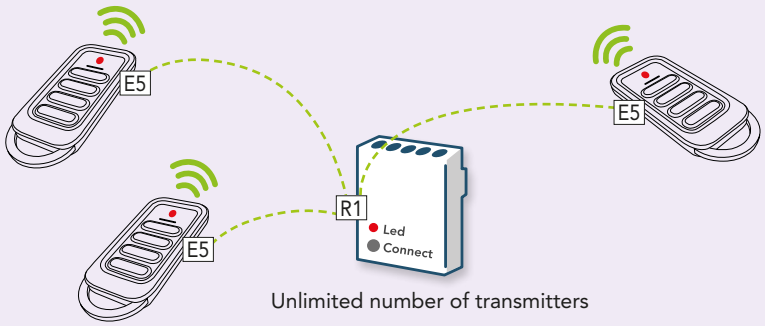
The receivers will be controlled simultaneously.
Maximum 4 receivers. Unlimited number of receivers with the “Radio bus” (see § B-1)

Step 1:
Exert 5 short touches on the button of the transmitter to be connected (E5 = 5 short touches on the button of the transmitter).
The transmitter LED will begin to blink rapidly.

Step 2:
While the LED on the transmitter is blinking, briefly press the “connect” button on the receiver
(R1 = 1 short touch on the Receiver button).
The receiver LED blinks and the transmitter LED stops blinking.

Note: to connect another receiver to the same transmitter key, repeat the above procedure (up to 4 receivers per key).

A-1c Connecting several transmitters to the same receiver



Unlimited number of transmitters

A-2 CHECKING THE FUNCTIONALITY OF THE CONNECTION BETWEEN A RECEIVER AND A TRANSMITTER

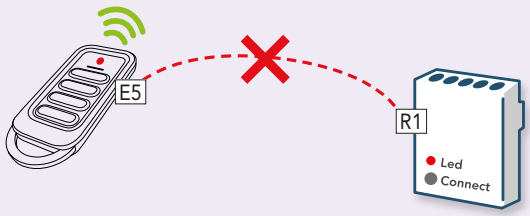
Press the transmitter button quickly once to control the receiver. The LED on the transmitter and on the receiver will blink to confirm that the radio transmission was successful. The LED will blink a first time when the key is pressed and a second time when the key is released.
If the LED does not blink, it is possible that the transmitter is too far from the receiver, or the micromodule is not powered; check the receiver's power supply and try approaching the receiver until the LED blinks.
If the LED still does not blink, apply 21 short touches on the pushbutton of the transmitter to delete any wrong radio connections.

WARNING: If the transmitter LED is not blinking, this does not mean that the battery is low, but that the receiver is out of range or not powered. Radio range may be reduced due to metal parts in the vicinity of transmitters or receivers, in the vicinity of GSM telecommunications relay antennas and in the presence of video transmitters using 2.4GHz frequencies. WiFi and Bluetooth systems do not interfere with transmitter/receiver radio connections.

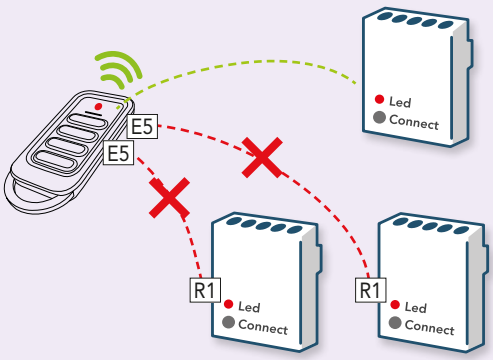
LED blinking when a receiver is controlled with a transmitter key

A-3 DISCONNECTING A TRANSMITTER FROM A RECEIVER

A-3a Disconnecting the button of a transmitter from a receiver



A-3b Disconnecting two receivers from the key of a transmitter. Only one out of 3 receivers remains connected.

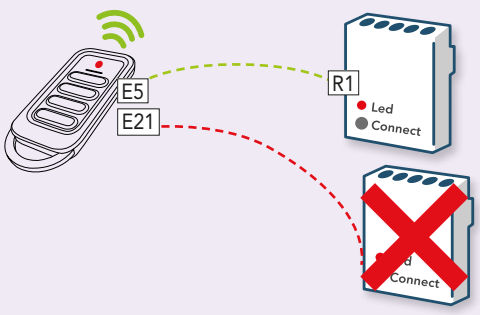


Step 1:
Exert 5 short touches on the button of the transmitter to be disconnected (E5 = 5 short touches on the button of the transmitter).
The LED will begin to blink rapidly.

Step 2:
While the transmitter LED blinks, briefly press the "connect" tab on the receiver (R1).
The receiver LED blinks once and the transmitter LED stops blinking.

NOTE: The procedure is identical to the connection procedure.

A-4 REPLACING A RECEIVER



Step 1:
Apply 5 short touches on the button of the previously connected transmitter E5 and then, while the LED is blinking, press "connect" on the new receiver (R1) to be connected.

Step 2:
Apply 21 short touches on the transmitter button E21 to delete the connection to the old receiver stored in the remote control.

NOTE: This operation deletes all the receivers that have been stored in the remote control button and are no longer present in the system.

RADIO BUS

STEP-BY-STEP PROCEDURE FOR MANUAL PROGRAMMING

It is possible to connect an unlimited number of receivers defining a "Radio bus". This allows:
- centralising by radio the control of all lights or all window shutters (without the need to wire the pilot wire)
- transmitting a control from a transmitter to a receiver out of its direct range, thanks to the help of other receivers used as "radio links"
- sending controls to "Groups" of receivers belonging to the Radio Bus.

Only Yokis Radio codes are compatible with Radio Bus mode.

Window shutter controls can also be transmitted through the lighting modules, and vice versa. For more information visit www.yokis.com

The Radio Bus can be automatically set with the new Yokis Pro App and Yokey USB key, or in manual mode, following the 5 steps below:

STEP 1 SETTING RECEIVER MODULES

(If the operation is carried out on the bench, it is advisable to mark each receiver with a number, so that they can be installed on the system in the predefined order)
1) On the first module, press the tip of a pencil (or any pointed object) briefly into the "connect" hole (the MTV500ER module has a tab instead of a hole).
   The LED at the side will flash while waiting for a connection (the search flash ends after 30 sec.).
2) While the LED is blinking, press "connect" on receiver 2.
   To confirm the connection, the LED on receiver 2 blinks once and the LED on receiver 1 stops blinking;
   Once the connection has been established, the relays of both receivers switch once.

The connection of the other receivers is performed in the same manner, by pairing receiver 2 to receiver 3, receiver 3 to receiver 4 and so on, repeating operations 1 and 2.

Note: The connection does not necessarily have to follow a linear pattern: all types of interconnection are described on page 70 of the Radio Handbook).

STEP 2 CONNECTING THE TRANSMITTER PUSHBUTTON TO THE CLOSEST RECEIVER

(It is recommended to connect the transmitter to the nearest receiver to avoid range problems).
1) Apply 5 short presses on the transmitter pushbutton selected for the centralised control.
2) While the transmitter LED is flashing, apply a short press on the "connect" button of the receiver.

Note: The E2BPP(X) and E4BPP(X) flush-mounted transmitters, which have no buttons, are associated with the receivers (and are programmed) by performing rapid pulses between the common wire (WHITE) and the coloured wire of the chosen channel. For these procedures, it is very handy to use a pushbutton of any series wired to the transmitter

STEP 3 PROGRAMMING "RADIO BUS MODE" ON TRANSMITTER PUSHBUTTON

Now the pushbutton just connected operates in "direct mode" (i.e. it only controls the paired module), therefore the following programming must be carried out to make the control work on all modules of the Radio Bus:
1) Make 10 short presses on the transmitter pushbutton (Configuration menu). The transmitter LED will begin to blink rapidly.
2) As the LED blinks, make 6 short touches on the selected button.
3) At the end of the touches, the LED will blink 6 times to confirm the configuration.

STEP 4 DEFINING IF CENTRALISATION APPLIES TO: LIGHTS (DEFAULT), WINDOW SHUTTERS OR "LIGHTS AND SHUTTERS"

By default the centralised pushbutton operates on lighting modules (MTR2000ERP(X), MTR2000MRP(X) and MTV500ER). If the Radio Bus has been made with these modules only, centralisation is already enabled (skip this Step).
If you want the centralised command to control the MVR500ERP(X) and MVR500MRP(X) shutter modules, or lights and shutters* simultaneously, it is necessary to:
1) Make 10 short presses on a transmitter pushbutton (Configuration menu). The transmitter LED will blink quickly.
2) As the LED blinks, make 11 touches (for shutter) or 20 touches (lights and shutters*) on the selected button.
3) At the end of the presses, the LED will flash once (for shutters) or 20 times (lights and shutters*) to confirm the configuration.

**Version 5 modules only*

STEP 5 (OPTIONAL) DEFINING THE PUSHBUTTON FUNCTION

The centralised control can be further programmed if a specific function is required (e.g. shutters only to move down and stop, lights only to switch off, etc.).
All transmitter functions can be programmed by switching to configuration mode with 10 short presses and applying the number of presses indicated in the configuration summary table (on page 78) to the pushbutton.

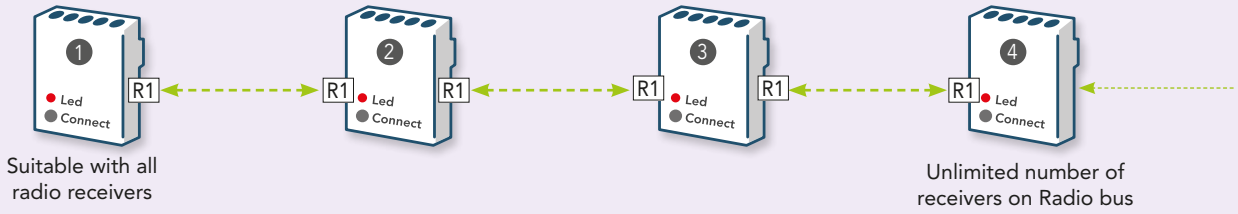
IMPORTANT NOTES
Contrary to the direct mode, the Radio BUS depends on the 50Hz frequency of 230Vac power supply of the receivers.
Therefore, if the receivers are connected on different phases, or if there is a phase inversion even on only one receiver, then a delay of the order of ms is introduced so that the receivers either do not work at all or work in an abnormal way: blinking before switching on/off, one (or more) receiver(s) remain on/off, etc.
To solve this issue, simply connect the receivers to the same phase by respecting phase/neutral polarity.

B - INTERCONNECTION OF RECEIVERS TO DEFINE THE "RADIO BUS".

An unlimited number of receivers can be connected together to define the "Radio Bus".
This allows a grouped control in the same room on more than 4 receivers.

It is also possible to transmit a command from a transmitter to a receiver outside the direct range using an intermediate receiver, implementing a "Radio Bus". All radio receivers (toggle relays, dimmers, roller shutter micromodules) are compatible with the "Radio Bus". Shutter commands can be transmitted using lighting modules and vice versa. The connections are bidirectional and can be linear, star or mesh.

B-1 RADIO BUS BETWEEN SEVERAL RECEIVERS



Suitable with all radio receivers

Unlimited number of receivers on Radio bus

Step 1:
Apply 1 short touch on the "connect" of the receiver 1. Its LED starts blinking (R1 = 1 short press on the receiver button).

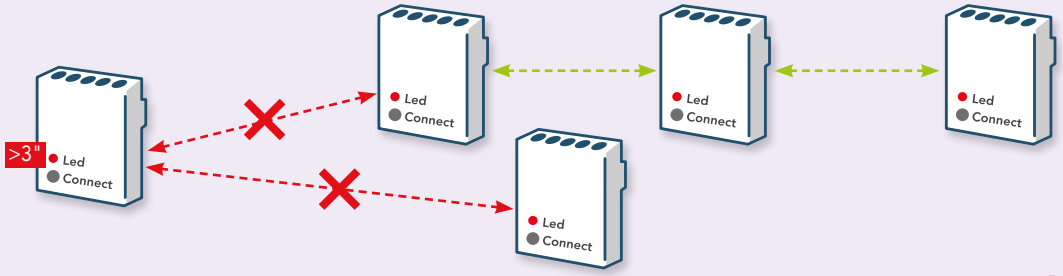
Step 2:
While the LED is blinking, briefly press the "connect" button on the receiver 2 (R1 = 1 short touch on the Receiver button).
To confirm the connection, The receiver LED 2 blinks once and the transmitter LED 1 stops blinking.

B-2 ELIMINATING A CONNECTION

Step 1:
Exert 6 short touches on the "connect" of the receiver 1 (R6 = 6 short touches of the receiver).
The receiver LED will then emit 6 rapid blinks.

Step 2:
When the LED blinks (6 quick blinks), press the "connect" button on the receiver briefly 1 (R6 = 1 short touch on the receiver).
The LED on the receiver 1 will stop blinking to confirm the cancellation of the connection.

B-3 DELETING ALL CONNECTIONS OF A MODULE

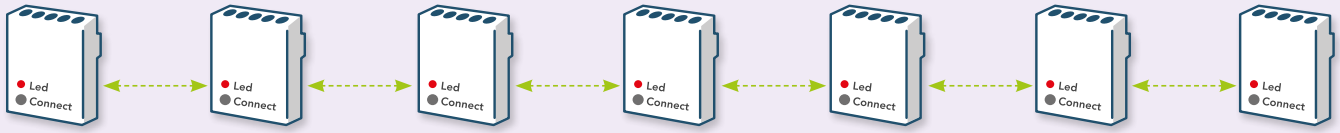


Press on the "connect" of the receiver to be deleted for more than 3 seconds.
The LED will blink once and all receiver connections will be deleted.

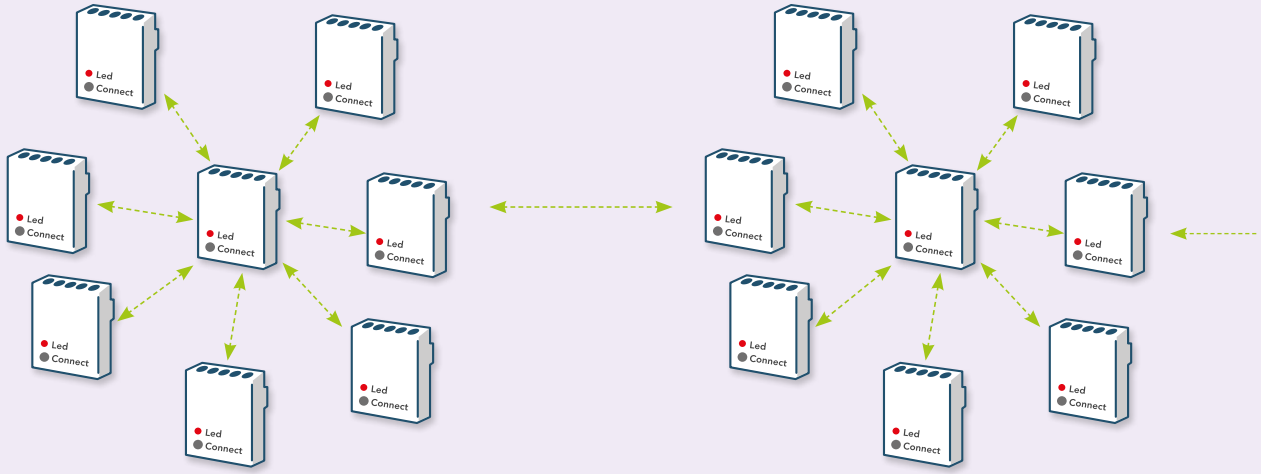
B-4 RADIO CONNECTION POSSIBILITY

Unlimited number of receivers on Radio bus.
All radio receivers are compatible and can be connected to each other.

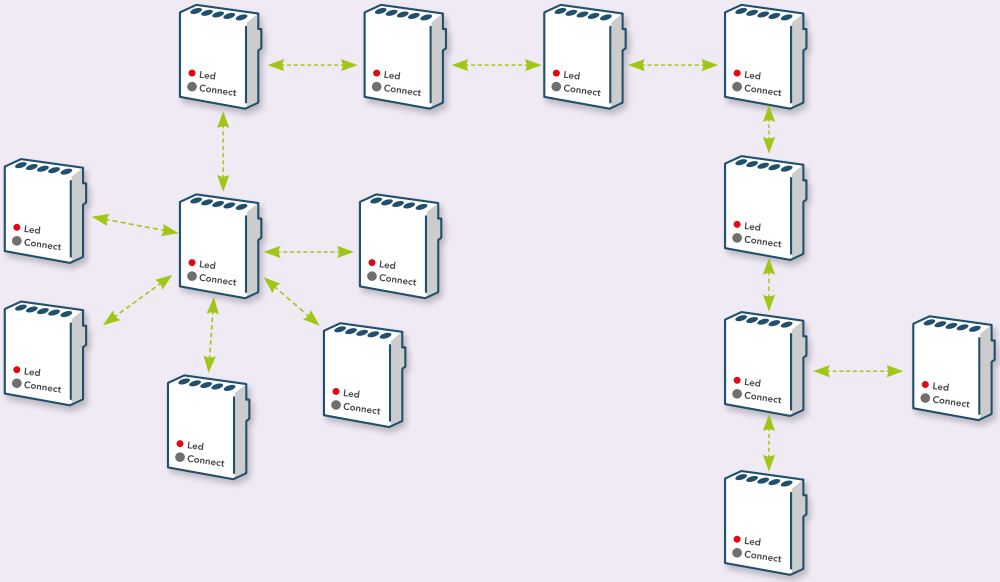
B-4a Linear connections (unlimited number)



B-4b Star connections: unlimited number of interconnected stars (maximum 7 connections per star)



B-4c Mixed connections (unlimited number)



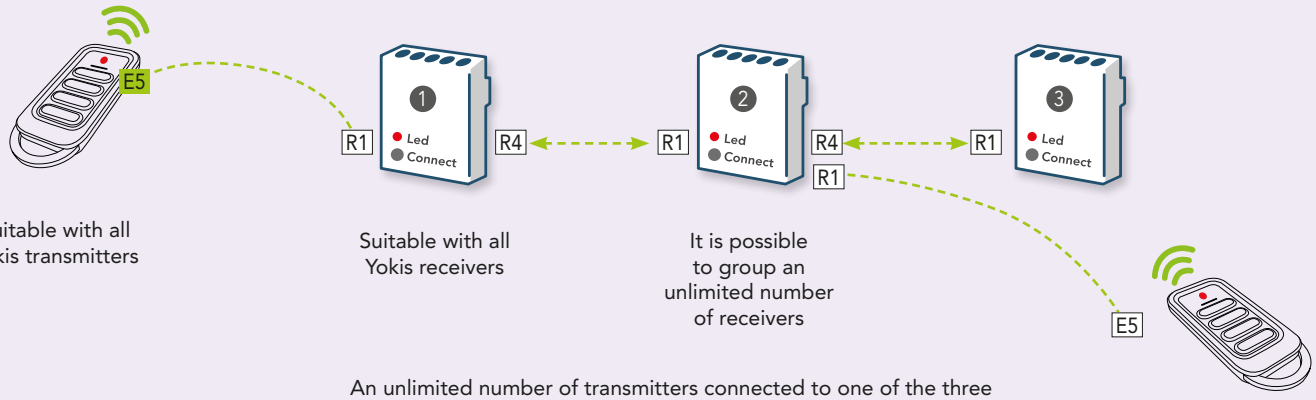
C - GROUPING OF RECEIVERS

Grouping allows the synchronisation of two receivers:

when the receiver 1 receives a command from a transmitter or via its button input, it sends this command to the grouped 2 receiver. The grouping is bidirectional. The receiver 2 can also control the receiver 1.

C-1 GROUPING OF RECEIVERS

C-1a Grouping of 3 receivers



Suitable with all Yokis transmitters

Suitable with all Yokis receivers

It is possible to group an unlimited number of receivers

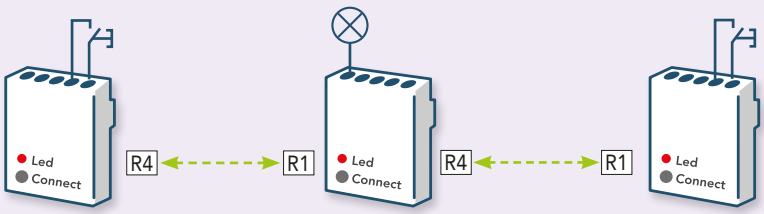
An unlimited number of transmitters connected to one of the three receivers allows simultaneous control of all the receivers grouped together (see § A-1 to create a direct connection: E5, R1).

Step 1:
Exert 4 short touches on the "connect" of the receiver 1 (R4 = 4 short touches of the receiver).
The LED emits 4 rapid blinks.

Step 2:
Then exert just one short touch on the "connect" of the receiver 2 (R1 = 1 short touch of the receiver).
The LEDs of both receivers blink 4 times.

I.E:
- An unlimited number of receivers can be grouped together.
- Each receiver can only group together with 7 other receivers (star mesh).
- The grouping is bidirectional.
- During a grouping, the "Radio Bus" is also defined.

C-1b Battery-free transmitter possible with receiver grouping



Local control of a wired button is sent to the grouped receiver

Unlimited number of modules in transmitter mode

A radio receiver (mixed wired and radio) can be used for grouping.
The receiver which has received an order via a local wired button will send the order to the grouped receivers which will execute it.

The use of grouping in this case allows the creation of radio transmitters without batteries.

D - DUPLICATION OF A TRANSMITTER

D-1 COPYING A TRANSMITTER KEY

Duplicating a key between two transmitters

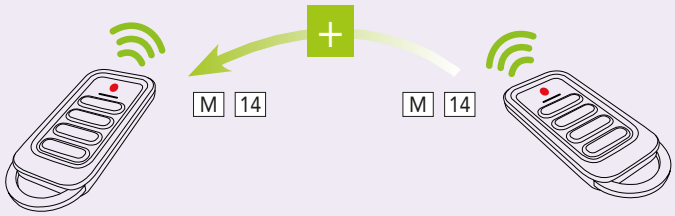
New transmitter Current transmitter

Step 1:
Exert 5 short touches on the button to program on the new transmitter (E5 = 5 short touches on the transmitter).
The transmitter LED will begin to blink rapidly.

Step 2:
While the LED is blinking, press the source key to be duplicated on the original transmitter for more than 3 seconds >3".
The LED will blink once to confirm duplication.

It also works between two keys on the same transmitter.

D-2 COMPLETE TRANSMITTER DUPLICATION



Suitable with all Yokis transmitters

New transmitter Current transmitter

ON THE NEW TRANSMITTER

Step 1:
Apply 10 short touches on any button on the transmitter
(M = Configuration menu).
The transmitter LED will begin to blink rapidly.

Step 2:
As the LED blinks, apply 14 short touches on any key.
The LED blinks while waiting for duplication
(approx. 30 seconds).

ON THE CURRENT TRANSMITTER

Step 3:
Apply 10 short touches on any button on the transmitter
(M = Configuration menu).
The transmitter LED will begin to blink rapidly.

Step 4:
As the LED blinks, apply 14 short touches on any key.
The LED blinks during duplication (approx. 1 second).

E - RANGE EXTENSION WITH THE "RADIO BUS"

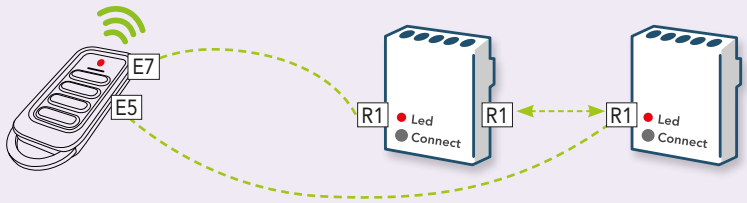
If the receiver is out of range of the transmitter, intermediate receivers can be inserted to bounce the message.
The interconnection of the receivers makes it possible for the transmitter to reach and control the receiver.

As a first step, a direct connection must be established between the transmitter and the out-of-range receiver you intend to control (see § A-1). A "Radio Bus" must then be created between all receivers (see § B-1 "Radio Bus" creation). Finally, a "Radio Bus" receiver is defined to act as an access point.

The transmitter will send its command on the "Radio Bus" via the receiver with access point function (8 access points can be stored on the transmitter). The access point can be used for all transmitter connections.
To sum up, the transmitter tries to communicate directly with the receiver, but in case this is not possible, it goes through its access point on the "Radio Bus", thus reaching the receiver indirectly.

E-1 DEFINITION OF AN "ACCESS POINT" ON THE RECEIVER

E-1a Range extension with the addition of one receiver



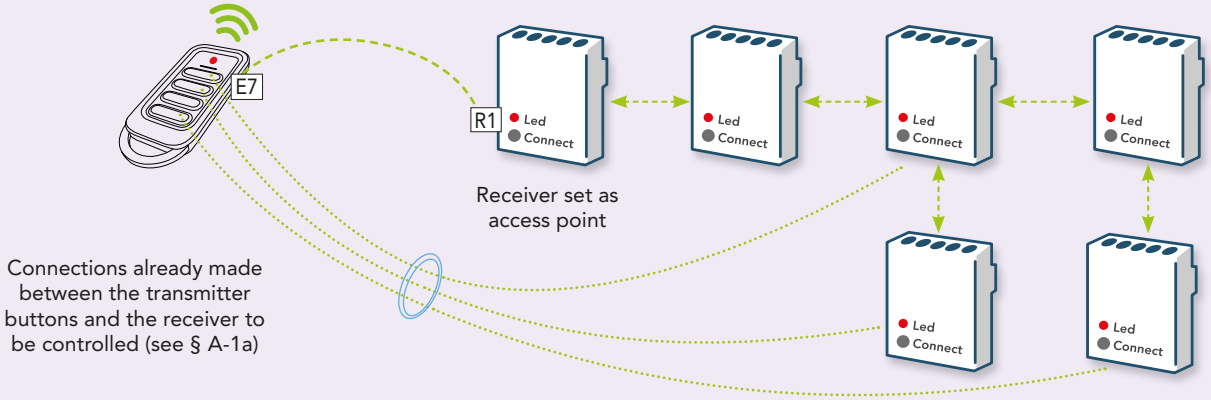
Step 1:
After having made a direct connection with the receiver to be controlled (E5, R1; See § A-1a),
apply 7 short touches on any transmitter button (E7 = 7 touches on a transmitter button).
The transmitter LED will blink slowly (every second).

Step 2:
While the LED is blinking, press briefly on the "connect" of the receiver with access point function R1
(the one closest to the transmitter's point of use). The LED blinks once to confirm the creation of an access point.

Up to 8 access points per transmitter can be realised.

E-1b Definition of an access point to transmit the command via the "Radio Bus".

IN THIS EXAMPLE, THE FOLLOWING CONFIGURATIONS HAVE ALREADY BEEN IMPLEMENTED:
- Connections already made between the transmitter buttons and the receiver E5 R1 see § A-1a
- Interconnection of receivers via the "Radio Bus", R1 R1 see § B.



E-1c Deleting the "access points" of a transmitter

Step 1:
Apply 10 short touches on any button on the transmitter
(M = Configuration menu). The transmitter LED will begin to blink rapidly.

Step 2:
As the LED blinks, apply 24 short touches on any button.
The LED blinks 4 times to confirm deletion of all access points.

F - GROUPED RECEIVER CONTROL

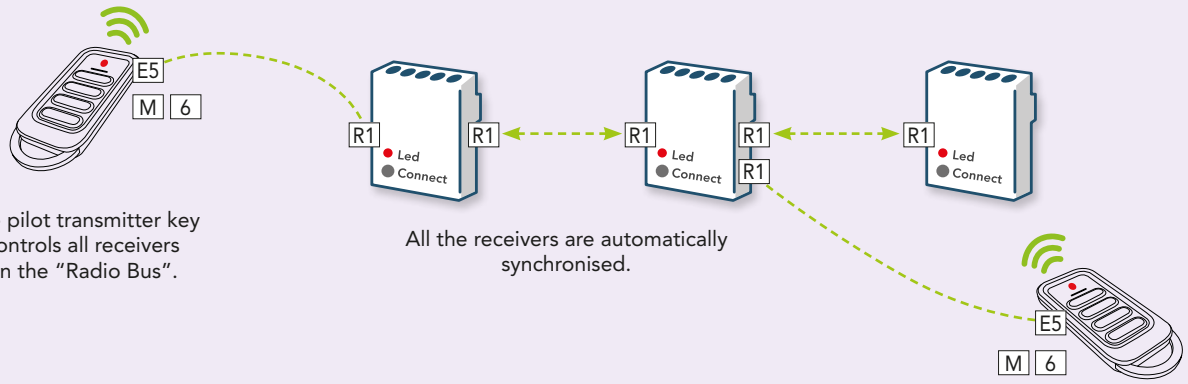
To control the groups of receivers, they must be grouped together in a "Radio Bus" (see § B-1 Creation of the "Radio Bus").
Once the Radio Bus has been created, make a direct connection between the transmitter and the nearest receiver (see § A-1).

Configure the transmitter to transmit a grouped command instead of a direct command.
If the receivers are roller shutters, it must be indicated that the grouped control is for roller shutters, by default the grouped control is set for lighting.
The "Radio Bus" propagates the command to all connected receivers on the Radio Bus.

In short, run the "Radio Bus" between the receivers to be grouped and then connect the transmitter to one of the receivers.
Set the transmitter key for a grouped command.

F-1 SETTING A TRANSMITTER KEY FOR A GROUPED COMMAND.

F-1a Grouped control of several receivers



The pilot transmitter key controls all receivers on the "Radio Bus".

All the receivers are automatically synchronised.

Step 1:
Apply 10 short touches on any transmitter button to enter the transmitter configuration menu
(M = Configuration menu). The transmitter LED will begin to blink rapidly.

Step 2:
As the LED blinks, apply 6 short touches on the button to be configured for the grouped command.
The LED flashes 6 times to confirm key grouping mode.

In the case of a grouped shutter command, it is necessary to specify that the destination of the grouped command are the shutters: M 11

F-1b Return to direct key mode

Step 1:
Apply 10 short touches on any button on the transmitter (M = Configuration menu).
The transmitter LED will begin to blink rapidly.

Step 2:
As the LED blinks, apply 5 short touches on the key to be configured.
The LED flashes 5 times to confirm the direct key mode.

G - SCENARIO WITH TRANSMITTERS

Each button on a transmitter can be set to send different commands to a receiver.
The most commonly used is the bistable command.
If the command is sent to a lighting receiver, it corresponds to switching on or off each time the transmitter button is pressed briefly.
For a roller shutter receiver, the following will be achieved in succession: up, stop and down.

It is only possible to set the transmitter button to switch on, up, down or intermediate position (lighting or shutter).

G-1 CONFIGURING THE FUNCTIONALITY OF A KEY

Step 1:
Apply 10 short touches on any transmitter button to access the transmitter configuration menu
(M = Configuration Menu). The transmitter LED will begin to blink rapidly.

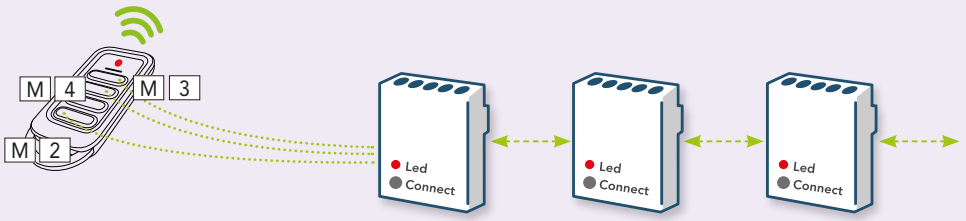
Step 2:
As the LED blinks, apply short touches on the key to be configured (see table below).
To confirm the key configuration, the LED flashes as many times as the short touches applied.
The configuration of a key's functionality can be done either in direct mode (one receiver per key) or in grouped control mode via "Radio Bus".

Number of short touches	Settings
1	Toggle
2	Intermediate position recall (scenario) / storage (for lighting)
3	Turned on to 100% (if the receiver for lighting)
3	Up / stop (window shutters)
4	Complete switch-off (lights)
4	Down / stop (window shutters)

Configuring a transmitter with a pushbutton for window shutter operation, one for stop and one for intermediate position.

IN THIS EXAMPLE, THE FOLLOWING CONFIGURATIONS HAVE ALREADY BEEN IMPLEMENTED:

- Direct connections made between the transmitter buttons and the receiver E5 R1 see § A-1a.
- Setting each transmitter key to send a grouped command, M 6 see § F-1a.
- Interconnection of receivers via the "Radio Bus", R1 R1 see § B.



- M 3 Operation button
- M 4 Stop button
- M 2 Intermediate position button

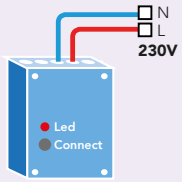
Unlimited number of receivers

YOKIS HUB RAPID COMMISSIONING

Yokis Hub allows manual programming (without using the YokisPro App with tablets and YoKey) to configure and remotely control a radio system with a **maximum limit of 10 receiver modules**.
Beyond 10 modules, it is necessary to use the YokisPro App to make a system smart and connected.

PREREQUISITES:

- Supply all modules on the same phase.



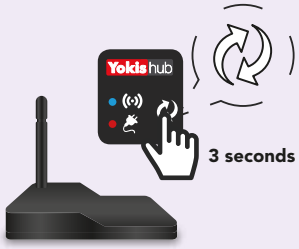
- Connect the **Yokis Hub** to the ADSL gateway.

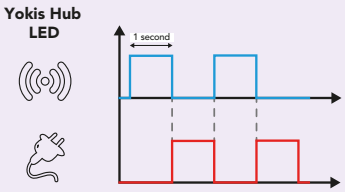
- Supply the **Yokis Hub** on the same phase used for the modules.

NOTE: the **Yokis Hub must NOT** have ever been previously configured via the **YokisPro App**. Any configuration by means of the **YokisPro** App prevents rapid commissioning. The procedure to **RESET THE CONFIGURATION OF THE Yokis Hub** (see below) does not allow you to return to the quick commissioning programming conditions either.

Step 1: Set the Yokis Hub to learning mode.

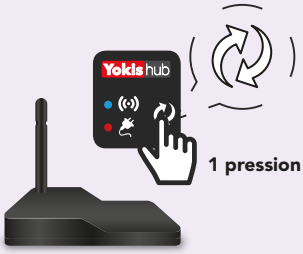
- Press the **Yokis Hub** symbol for **3 seconds**.
  The two LEDs blink alternately
  to indicate that the **Yokis Hub** is in learning mode.

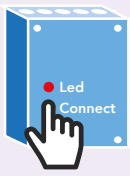




Step 2: Register the modules in the Yokis Hub database.

For EACH module you wish to register (max. 10)
repeat the following two steps:
- Press the **Yokis Hub** symbol **once**.
- Then, **within 30 seconds**, press **once** the **"connect" button of the module**.

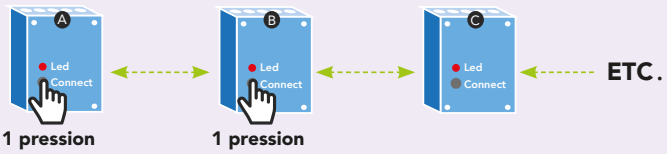




- The **Yokis Hub** and module LEDs **blink once** to confirm registration.

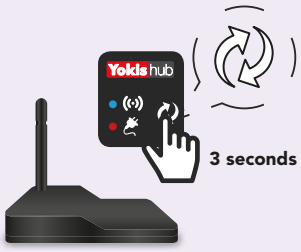
Step 3: How to create the Radio Bus between modules.

- Press **once** the **"connect" button of module A** (the LED on module A starts blinking).
- **Within 30 seconds**, press **once** the **"connect" button of module B**: the Radio Bus connection between the two modules is established and the respective LEDs stop blinking.
- Repeat the same operation between modules B and C and then gradually with all the others.



WARNING: for connections between modules, please refer to the instruction manuals and the Yokis catalogue in the section "RADIO CONNECTION POSSIBILITIES" (page 70).

Step 4: Exit learning mode.



- Press the **Yokis Hub** symbol **for 3 seconds**.
  The radio LED blinks quickly to indicate that the **Yokis Hub** is not in learning mode.
- If you later wish to add new modules to the Radio Bus, you must repeat the procedure from Step 1.

NOTE: in Step 3, simply add the new modules to the Radio Bus.

Step 5: Associate the Yokis Hub with the YnO App.

Ask the customer to:

- Launch the App YnO using their User Name and Password.
- Connect the App YnO to the Yokis Hub. on the **"connect" button of the module**.
- If a new module is added, in order for the system to be updated in the App, it must be disconnected and reconnected to YnO. Only in this way can the new modules be seen in the App.

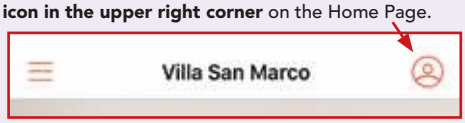
- To associate the YnO App to the Yokis Hub:

Scan the QR code

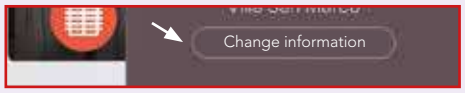
Find out how your customer can create an Account and associate it to **Yokis Hub**.

- To disassociate the Yokis Hub from YnO:

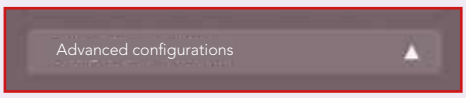
1. Touch **the icon in the upper right corner** on the Home Page.



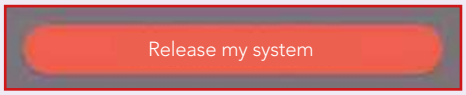
2. Touch **"Change information"** in the side bar.



3. Touch **"Advanced configurations"** at the bottom of the page.



4. Touch **"Release my system"**.



Reset of **Yokis Hub** configuration (deleting scenarios, associations, programming, etc.)

- Enter learning mode by pressing the Yokis Hub symbol for **3 seconds**.
  Press the **Yokis Hub** symbol **10 times**.
  The two LEDs flash simultaneously indicating that the configuration has been reset.

Replacing a module

- Delete the bus connections on the modules in the system:
  - Press and hold the connect button on each module for at least 3 seconds.
  - The module LED flashes 2 times to confirm the cancellation of the radio connections.
- Restore the Yokis Hub configuration.
- Repeat the complete procedure from step 1.
- Close and restart to update the system on the application.

H - YOKIS RADIO TRANSMITTER CONFIGURATION SUMMARY

The default transmitter channels are already configured with function 1.

To program any transmitter channel differently, **it is necessary to first enter the Configuration Menu.**
To do this, press any key on the transmitter 10 times briefly.

The transmitter LED will begin to blink rapidly.

While the LED is blinking, perform the number of short touches on the key to be configured.

Number of short touches	Settings	Confirmation blinks
Functionality of the key:		
1	On/off or up/stop/down	1
2	Lighting or intermediate position memory	2
3	Switching on or up	3
4	Switching off or down	4
Functionality of the key / Type of command:		
5	Direct command	5
6	Grouped command via “Radio Bus”	6
Products affected by commands sent on the “Radio Bus”:		
10	Lighting	10
11	Shutter	1
20	Roller shutter AND lighting (function available from transmitter version V5 and higher)	20
Copy / Reset / Definition of the operating mode of a transmitter key:		
14	Complete transmitter duplication	4
15	Key reset	5
16	Contact impulse mode (Radio Toggle Relay Modules only) The receiver performs a short pulse of 0.5 seconds Timed opening [only on MAU500ERP(X)]	6
17	Contact or monostable relay instant mode (Radio Toggle Relay Modules only). Pressing the transmitter pushbutton activates the receiver	7
19	Blinking mode (Radio dimmer and Radio Toggle Relay Modules only) Sends a blinking command (duration of 0.5 seconds for 30 seconds)	9
24	Access points reset Deletes all “Radio Bus” access points	4
25	Remote control reset Resetting the remote control's factory configuration	5
33	Use of E2BPP(X) / E4BPP(X) transmitters (V5 version or higher) with a normally closed contact (NC button, automations, sensors, etc.)	3

I - RECEIVER CONFIGURATION SUMMARY

The default receiver modules are already configured with basic functions (e.g. toggle for the relay).
To make changes, enter programming by briefly pressing a button connected to the BP terminal 23 times.
The module automatically locks the configuration phase after 6 hours, or lock manually with 21 local button presses.

MTR2000ERP(X) / MTR2000MRP(X) / MTR1300EBRP
Timed relay
Range 1300W / 2000W RADIO

Number of short touches	Settings
1	On - Off*
11	2 Minutes
12	4 Minutes
13	8 Minutes
14	15 Minutes
15	30 Minutes
16	60 Minutes
17	120 Minutes
18	240 Minutes
19	Unlimited timing
20	Local control from switch / button
21	Prohibition of installer configuration
22	Activation of mode for the deaf and hearing impaired
23	Installer configuration authorisation
24	On/off warning: 10 s in seconds mode, 60 s in minutes mode
25	Seconds mode
26	Minutes mode
27	Timer / Toggle relay mode
28	Status is saved in case of power failure
29	Hold down on / off for a few seconds
30	Reset to default values

MTV500ERP/MTV300MRP
Timed
300W/ 500W range dimmer
with RADIO neutral

Short presses	Settings
1	100% lighting on / off*.
2	Storage*
3	Lighting at 50%*
4	Minimum lighting*
6	100% lighting for 12 hours*.
7	Children's room night light mode*
11	2 Minutes
12	4 Minutes
13	8 Minutes
14	15 Minutes
15	30 Minutes
16	60 Minutes
17	120 Minutes
18	240 Minutes
19	Unlimited timing
20	Permanent relay mode no change
21	Prohibition of installer configuration
22	Activation of mode for the deaf and hearing impaired
23	Installer configuration authorisation
24	On/off warning: 10 s in seconds mode, 60 s in minutes mode
25	Seconds mode
26	Minutes mode
27	Minimum brightness adjustment in progress
28	Minimum brightness level
29	100% lighting or saving upon first press
30	Reset to default values
35	Status maintenance in case of power failure

MVR500ERP(X) / MVR500MRP(X) / MVR500EBRP
RADIO shutter modules

Short presses	Settings
1	Down - Stop - Up*.
2	Intermediate position*
3	Open*
4	Close*
5	Saving intermediate position*
6	Deleting intermediate position*
12	Definition of lower electronic limit switch
14	Definition of upper electronic limit switch
16	Delete electronic limit switches
17	Cancelling of opposite movement in case of motor overload
19	High/low torque
20	Up / down wire inversion
21	Prohibition of installer configuration
22	Disabling/enabling programming
23	Installer configuration authorisation
24	No torque control or limit switches
25	Reset to default values
26	Disabling motor torque control

*The module does not need to be unlocked with 23 button presses for these configurations.

Timed relay

Switching on, switching off or timing any type of installation

Yokis products make it easy to control and time loads,
from various control points, both direct and centralised, and are **compatible with all types of installations and wiring systems**.

- They reduce wiring, avoid return connections of buttons and return connections of bulbs in the electric panel.
- Silent thanks to microprocessor-managed electronics.
- Compatible with existing wiring: with button common to neutral or to phase.
- They can be installed on the bottom of a flush-mounting box (depth 40 or 50 mm) over the existing wiring, with switch or deviating/diverter switch.
- Compatible with buttons of any brand of wiring system.
- Digital coil with protection system in case pushbutton is pressed for a prolonged amount of time.

MICROMODULES WITHOUT NEUTRAL TIMED RELAY 500W

MTR500E	5454050	timed relay for recessed installation
MTR500M	5454060	Timed DIN rail relay

The advantages

- Timing can be activated, configurable from 2 seconds to 4 hours.
- Enables activation of the progressive switch-off warning function (not active by default).
- A double timer allows for extended lighting (1 hour) or unlimited duration.
- Easy installation, without neutral wire, behind any commercially available button.
- Can be centralised through pilot wire with the accessory **CVI50 (item no. 5454805)**, to allow total switching on or off.
- Also works with buttons equipped with light indicator (max 20) by adding the accessory **BV40 (item no. 5454071)**.
- "Soft start/soft stop" function: protects the bulb and buttons by increasing their lifetime, and improves the user's perception of light (NB: most effective with dimmable LEDs).

MICROMODULES WITH NEUTRAL TIMED RELAY 2000W

MTR2000E	5454350	timed relay for recessed installation
MTR2000M	5454360	Timed DIN rail relay

The advantages

- Timer from 2 seconds to 4 hours.
- Enables activation of the progressive switch-off warning function (not active by default).
- Double timing keeps lights on (12 hours) or a unlimited duration.
- Thanks to its potential-free contact, it can control any device up to 2000W (e.g. light, exhaust fan, irrigation...) requiring a dry contact.
- Daily scheduling of two automatic actuations (on and off) at programmed times.
- Can be centralised through pilot wire with the accessory **R12M (item no. 5454073)**, to allow total switching on or off.
- Compatible with all load types.
- Does not work with pushbuttons equipped with light indicator. For this purpose, use MTM2000E/M in toggle relay mode configuration.

ACCESSORIES

CVI50 5454805 - **Converter for centralisation of MTR500 with fixed contact.**
Allows a centralisation of toggle relays and dimmers from the 500 range to be controlled via an automation system or clock.

R12M 5454073 - **Interface for double button (not interlocked).**
Allows you to set the up/on and down/off order on a double button (not interlocked).

D600V 5454072 - **Diode for centralisation/pilot wire.**
Allows a local command to be blocked on the pilot wire.

ADBT 5454076 - **Adapter for 12÷48Vdc-ac low voltage button.**
Allows for low voltage control 12÷48Vdc-ac.

BR12M ON/OFF 5454817 - **Module with double button** for Simon Urmet NEA series 50X boxes for lighting or actuation control, both local and centralised.

Timer

Staircase lighting or lighting circuit timing

Whether it is a renovation or a new installation, it only takes a few moments to install a staircase light timer **to control the lighting in common areas (staircase, corridor, etc.).**

The timer function of the timer modules **allows you to customise the duration from 2 seconds to 4 hours**, which can be extended with a subsequent press of the button.

Convenient to install, either in the junction box or on the main electrical panel.

MICROMODULES WITHOUT NEUTRAL TIMER 500W

MTM500E	5454051	Timer for recessed installation
MTM500M	5454061	DIN rail timer

The advantages

- The MTM module is activated for the predefined time (2 min default), customisable up to 4 hours, with a progressive switch-off warning. Whenever the button is pressed again with the light on, the turning on time will be extended by the same duration.
- A double timer allows for extended lighting (1 hour) activated by holding down the button (3 sec.).
- Easy installation, without neutral wire, behind any commercially available button.
- Can be centralised through pilot wire with the accessory CVI50 (item no. 5454805), to allow total switching on or off.
- Also works with buttons equipped with light indicator (max 20) by adding a single accessory BV40 (item no. 5454071).
- "Soft start/soft stop" function: protects the bulb and buttons by increasing their lifetime, and improves the user's perception of light. Not active by default.

MICROMODULES WITH NEUTRAL TIMER 2000W

MTM2000E	5454351	Timer for recessed installation
MTM2000M	5454361	DIN rail timer

The advantages

- Timer from 2 seconds to 4 hours with switch-off notification.
- The MTM module is activated for the predefined time (2 min by default), customisable up to 4 hours. Whenever the button is pressed again with the light on, the turning on time will be extended by the same duration.
- A double timer allows for extended lighting (1 hour).
- The anti-jam option ensures that the light will be switched off even if a button gets jammed (by adding the accessory R1500 item no. 5454074).
- Also works with buttons equipped with light indicator (a BV40 accessory is not required).
- Coil with integrated warning light limited to 30 mA (approx. 20 warning lights) which allows the use of buttons with indicator lights.

ACCESSORIES

BV40 5454071 **- Electronic coil for buttons with indicator light.**
Allows the use of buttons with indicator lights on products in the 500 range.

R1500 5454074 **- Anti-jam accessory for MTM2000.**
Ensures that the timer works even if a button is jammed.

Timed dimmer

Varying and timing the brightness in a lighting circuit

With a wide range of compatible loads, YOKIS dimmers allow **the light intensity of each circuit to be adapted as desired.**

Equipped with an electronic microprocessor, our dimmers **save energy** and consume only the energy needed for the desired light intensity.
Equipped with configurable timing, they will automatically deactivate if mistakenly left ON.

MICROMODULES WITHOUT NEUTRAL

TIMED DIMMER 500W

MTV500E 5454052 Timed Dimmer for recessed installation

MTV500M 5454062 Timed dimmer on DIN rail

Yokis advantages

- It is possible to activate the timer, from 2 seconds to 4 hours, with gradual switch-off notification. Indefinite operation also possible.
- Allows you to store the minimum brightness level and a preset value. IT is possible to command switching on at 100% or at the previously set brightness value.
- Easy installation, without neutral wire, behind any commercially available button.
- Consumption is reduced according to brightness variation.
- Dimmer compatible with dimmable LEDs by adding the accessory SMARTCHR (item no. 5454089).
- Can be centralised through pilot wire with the accessory CVI50 (item no. 5454805), to allow total switching on or off.
- Also works with buttons equipped with light indicator (max 20 and max 40 mA) by adding the accessory BV40 (item no. 5454071).
- Brightness variation adjustable from 3VA up to 250VA on LED loads.
- "Soft start/soft stop" function: protects the bulb by increasing its lifetime, and improves the user's perception of light.

Dimmer with children's room night light function

It is possible to select 20% lighting and set it to gradually decrease during a 1-hour period to a night light (duration: 12 hours) with three short touches of the button.

It also enables the activation of lights in corridors or other rooms for night-time movements.

ACCESSORIES

SMARTCHR 5454089 **- 3 W resistive load for energy-saving light bulbs and LED.**
Prevents flickering of light bulbs.

CVI50 5454805 **- Converter for centralisation of MTR500 with fixed contact.**
Allows a centralisation of toggle relays and dimmers from the 500 range to be controlled via an automation system or clock.

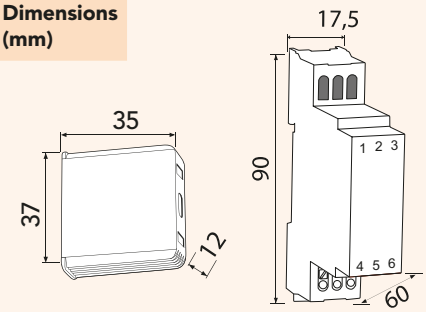
D600V 5454072 **- Diode for centralisation/pilot wire.**
Allows a local command to be blocked on the pilot wire.

WIRED MICROMODULES

500 W RANGE WITHOUT NEUTRAL

TECHNICAL FEATURES

Network voltage	230V ~ (+10% -15%) - 50Hz
Power	min. 5VA max. 500VA max. 250VA LED (250 VA for sealed box)
Intensity	1.3A max.: 2.2A
Ambient temp.	- 20 °C + 40 °C
Relative humidity	from 0 to 99%
Dimensions (mm)	



FUNCTIONAL FEATURES

- Possibility of using low-voltage buttons with the ADBT accessory (Item no. 5454076).
- Double overload protection with power cut-off.
- Electronic overheating protection.
- Immune to mains disturbances up to 1.5kV.
- Built-in automatic switch in case of short circuit on the load, with automatic reset after the fault is eliminated.
- Digital coil with protection system in case pushbutton is pressed for a prolonged amount of time.
- Increases light bulb and switch duration.
- Variation principle through cut-off at phase start or phase end with automatic load type recognition **(only MTV500M / MTV500E)**.
- Works with buttons equipped with light indicator (max 20) by wiring a single BV40 accessory (Item no. 5454071) to be installed as close as possible to the micromodule.

ITEM NUMBER TABLE

500 Range flush-mounted	Serial number	Item number	P.
Toggle relay timed	MTR500E	5454050	81
Timer	MTM500E	5454051	83
Timed dimmer	MTV500E	5454052	85
500 Range on DIN rail			
Toggle relay timed	MTR500M	5454060	81
Timer	MTM500M	5454061	83
Timed dimmer	MTV500M	5454062	85

STANDARDS AND CERTIFICATIONS

USE

Each micromodule of the 500 range can be used as a toggle relay, dimmer, timer, with one or more buttons.

Installation:

The micromodule can be installed in flush-mounting boxes with a depth of 40 to 50 mm and a standard diameter of 65 mm. In all cases, the button must not apply any mechanical stress on the module and the depth of the box must be sufficient to ensure at least 1 mm clearance around the micromodule. It can also be installed in junction boxes with a minimum air volume of 100 cm^3 per micromodule (a box with a length of 60 x width of 60 x depth of 40 mm may be sufficient for one micromodule).

- **Power 250W 1A:** In all cases where the described housings are watertight and do not allow air circulation, the maximum permissible power is 250W.
- **Power 500W 2A:** In regular installations boxes are almost always connected with corrugated conduits that allow the passage of air and guarantee minimum but sufficient ventilation to achieve a power of 500 W. Open air installation allows full-power use.

Wiring:

The micromodule is connected in series to the circuit.
No connection required, it can be wired to phase or neutral.
If the common switch is on neutral, simply reverse the purple and orange wires (terminal "5" to "6" on the DIN rail model).
The micromodule accepts an unlimited number of buttons with a maximum distance of 50 m between micromodule and buttons.

ATTENTION!
DO NOT USE ON CONTROLLED SOCKETS.

DO NOT install this micromodule with inductive loads (e.g., ferromagnetic ballasts or window shutters, ferromagnetic transformers) on the same circuit without the accessory FDVDT (Item no. 5454075).
The accessory must be connected as close as possible to the micromodule's power supply, in parallel between phase and neutral. Without this accessory, the micromodule's overload protection would quickly deteriorate.

WIRED 500W RANGE FUNCTION TABLE

Main			Products		Timing Function				Dimmer Function			Other
Description	**Flush-mounted item no.**	**DIN rail item no.**	Soft start/Soft stop	Centralisation with pilot wire	Configuration from 2 seconds to 4 hours	Possible unlimited duration	1-hour long duration	Notification with gradual switch-off	Reduction in consumption based on light intensity	Last turning on memory	Children's room	Night light preset memory
MTR500 timed toggle relay	5454050	5454060	●	●	●	●	●	●				
Timer MTM500	5454051	5454061	●	●	●	●	●	●				
MTV500 timed dimmer	5454052	5454062	●	●	●	●		●	●	●	●	●

WIRED MICROMODULES

500 W RANGE WITHOUT NEUTRAL

COMPATIBLE LOAD TABLE	Resistive loads	Incandescent light bulbs	Fluorescent and energy-saving lamps	Electronic transformers	LEDs	Ferromagnetic transformers	Motors
MTR500(E)(M) * MTM500(E)(M) (3)	I max: 2A P min: 5W P max: 500W (2)	I max: 2A P min: 5W P max: 500W (2)	I max: 1A P min: 11VA P max: 250VA (1) (2)	I max: 2A P min: 11VA P max: 500VA (1) (2)	I max: 2A P min: 11VA P max: 250VA (1) (2)	I max: 2A P min: 11VA P max: 500VA (2)	-
MTV500(E)(M) *	I max: 2A P min: 5W P max: 500W	I max: 2A P min: 5W P max: 500W	I max: 1A P min: 11VA P max: 250VA (1)	I max: 2A P min: 11VA P max: 500VA (1)	I max: 2A P min: 11VA P max: 250VA (1)	I max: 2A P min: 11VA P max: 500VA	-

*** If the module is installed in a watertight flush-mounting box, the values vary as follows: Imax=1A and Pmax=250W for resistive loads; Imax=1A and Pmax=250VA for other types of load.**
(1) Include 1 to 3 SMARTCHR accessories in parallel with the load. (2) We recommend using the 2000 range, if the neutral wire is available.
(3) Maximum power of 250VA on all capacitive loads except the TBT 12V electronic transformer (500VA).

CONFIGURATION TABLE

Before setting any configuration, unlock the module with 23 short touches on the button.

Configuration principle: SHORT consecutive **TOUCHES** of the button (maximum interval of 0.8 s)
CONFIRMATION reply with blinking after touches.

Touches	Duration	Replies
11	2 minutes	1 blink
12	4 minutes	2 blinks
13	8 minutes	3 blinks
14	15 minutes	4 blinks
15	30 minutes	5 blinks
16	60 minutes (1 hour)	6 blinks
17	120 minutes (2 hours)	7 blinks
18	240 minutes (4 hours)	8 blinks
19	Unlimited timing	9 blinks
20	Soft start/Soft stop	10 blinks
21	Block	1 blink

Touches	Duration	Replies
22	Not used	2 blinks
23	Unlocking	3 blinks
24	ON/OFF notification	4 blinks
25	Duration in seconds	5 blinks
26	Duration in minutes	6 blinks
29	ON/OFF Long Duration (on relays and timers only)	9 blinks
30	Full reset to default values	2 blinks
27*	Minimum brightness setting	7 blinks
28*	Minimum brightness	8 blinks
29*	100% bistable / saving upon first touch	9 blinks

Configuration in seconds

All durations set in minutes can be changed into seconds with **25 short touches** (reply: 5 flashes).
It is possible to switch back to minutes with 26 short touches (reply: 6 flashes).

Example:
Configuration of a 15-second duration:
1 - 25 touches (reply: 5 blinks) to select the seconds.
2 - 14 touches (reply: 4 blinks) to set a 15-second duration.

***Only on MTV500E and MTV500M**

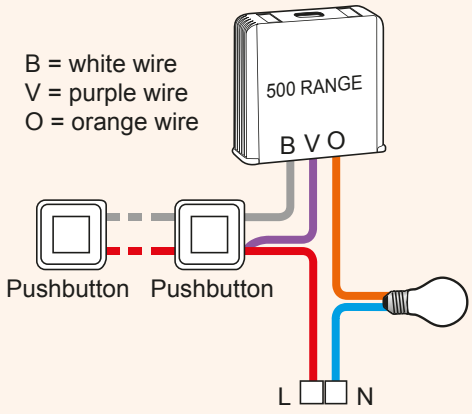
500 range micromodules without neutral wire

- Can be controlled only by buttons
- Cannot control fluorescent lamps
- In sealed boxes, power is limited to 250VA
- Do not use on controlled sockets
- Can be centralised with pilot wire, using D600V and CVI50 accessories

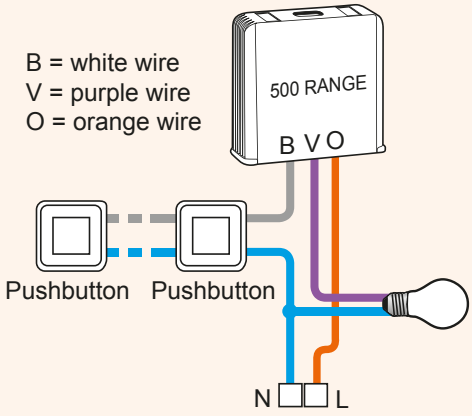
WIRING DIAGRAMS

500 W RANGE WITHOUT NEUTRAL

SD542 0001 **2-WIRE WIRING, WITH BUTTON COMMON TO PHASE**



SD542 0002 **2-WIRE WIRING, WITH BUTTONS COMMON TO NEUTRAL**

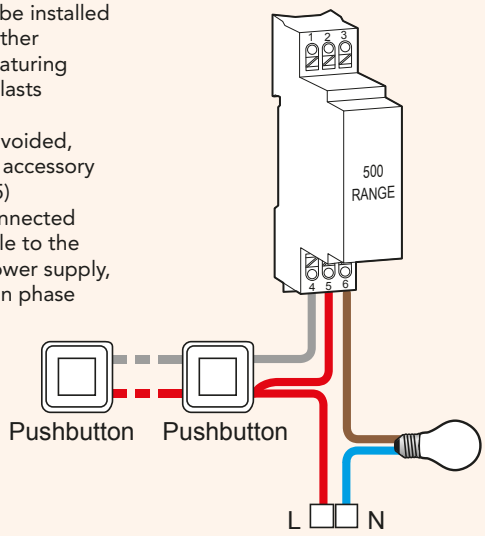


WIRING DIAGRAMS

500 W RANGE WITHOUT NEUTRAL

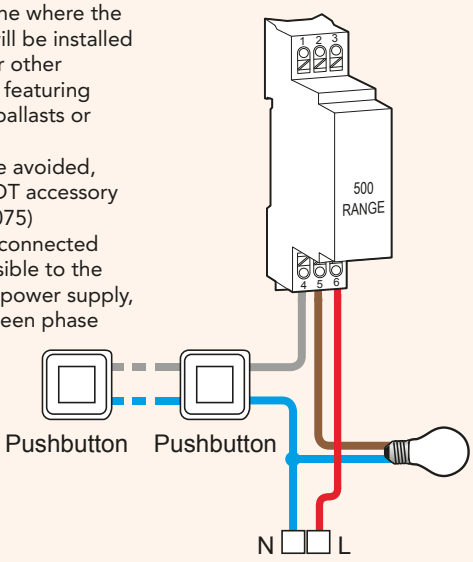
SD542 0003 WIRING OF BUTTON COMMON TO PHASE ON DIN RAIL VERSION

The automatic power supply switch on the line where the micromodule will be installed must not power other lighting circuits featuring ferromagnetic ballasts or transformers.
If this cannot be avoided, install the FDVDT accessory (item no. 5454075) which must be connected as close as possible to the micromodule's power supply, in parallel between phase and neutral.



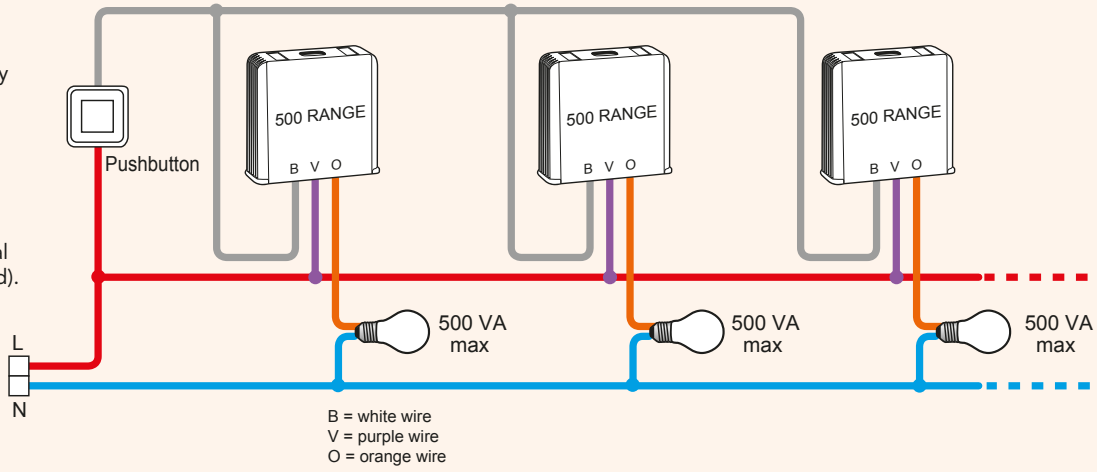
SD542 0004 WIRING OF BUTTON COMMON TO NEUTRAL ON DIN RAIL VERSION

The automatic power supply switch on the line where the micromodule will be installed must not power other lighting circuits featuring ferromagnetic ballasts or transformers.
If this cannot be avoided, install the FDVDT accessory (item no. 5454075) which must be connected as close as possible to the micromodule's power supply, in parallel between phase and neutral.



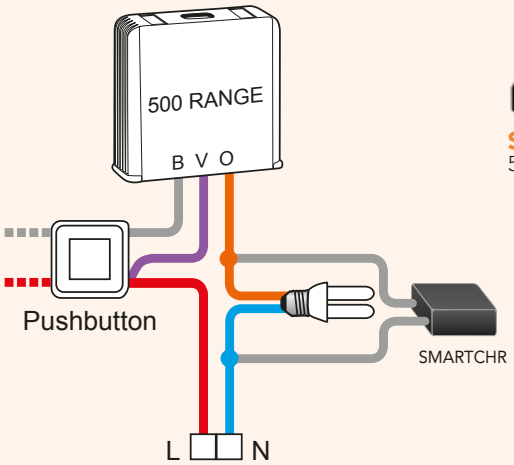
SD542 0005 SWITCHED POWER INCREASE

In some cases, a power over 500W is required on a circuit.
To increase power, simply split the power circuit to obtain an individual "lamp return" circuit for each micromodule.
This allows connecting in parallel up to 10 micromodules (the digital coil remains synchronised).



SD542 0006 WIRING WITH ENERGY-SAVING OR LED LIGHT BULBS AND SMARTCHR

- **Compact fluorescent lamps (CFL) and LED lamps:**
  Check that the lamp is dimmable (i.e. that it is compatible with brightness variation).
  This function is marked externally on the lamp.
- With this type of power source, variation cannot be guaranteed. A practical test should always be carried out to check compatibility.
  For best results **add the SMARTCHR accessory** in parallel to the lamp (prepare on average 1 SMARTCHR for 3 points in parallel on the load line.
  When using LED lamps with electronic transformer, install the SMARTCHR on the primary of the transformer).



Accessory:

SMARTCHR
5454089

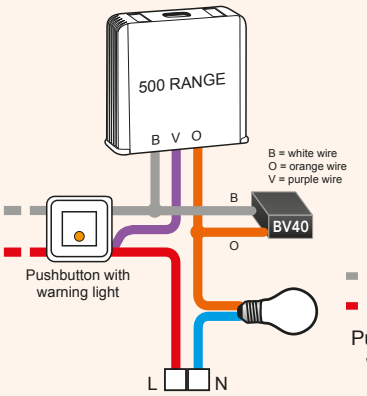
WIRING DIAGRAMS

500 W RANGE WITHOUT NEUTRAL

SD542 0007 WIRING OF BUTTONS WITH LIGHT INDICATOR

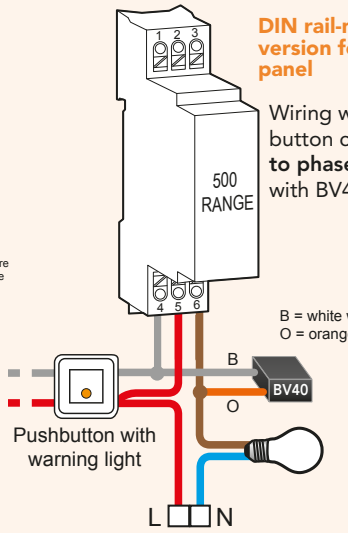
The micromodules are compatible with buttons equipped with light indicator (up to approx. 20 buttons) with the addition of one BV40 accessory (5454071). The orange wire of the BV40 module must be connected to the orange wire of the micromodule (O) and the white wire to white wire (B). For DIN rail versions, connect BV40 between the terminals no. "4" and "6".

Version for recessed installation behind a button

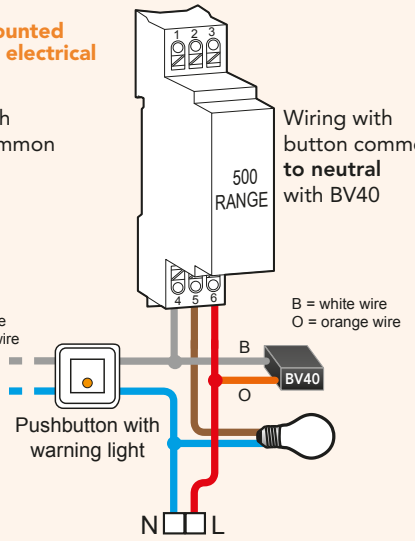


DIN rail-mounted version for electrical panel

Wiring with button common **to phase** with BV40



Wiring with button common **to neutral** with BV40



Accessory:

BV40
5454071

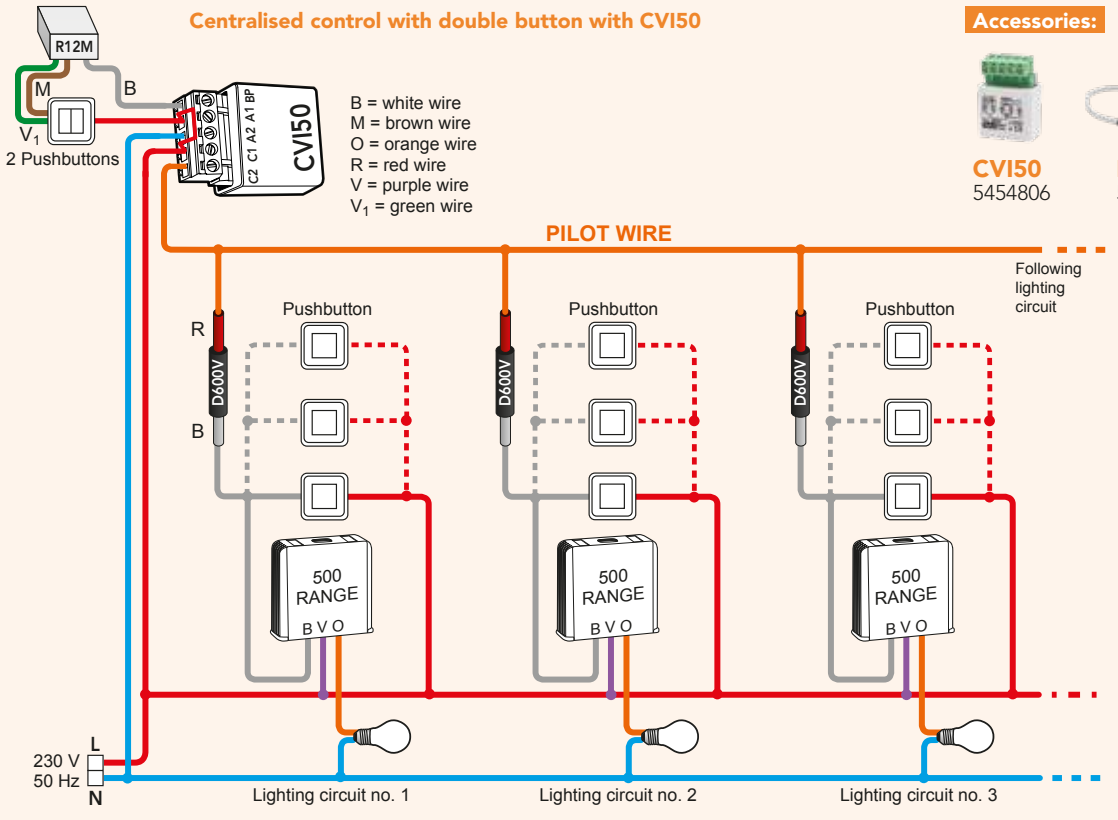
The presence of buttons with light indicators requires installation of the BV40 accessory.

SD542 0008 CENTRALISATION

- All micromodules of the 500 range can be centralised with pilot wire via a CVI50.
- The D600V accessory (5454072) allows connecting all single buttons to a single pilot wire.
- A centralised double (non-interlocked) button controls this pilot wire and allows complete switching on and off of all micromodules.
- The double (non-interlocked) button must be wired with the R12M (5454073) and CVI50 (5454805) accessories.

ATTENTION!
To ensure that all micromodules are switched off, the CVI50 first switches all micromodules on and then off.

Centralised control with double button with CVI50



Accessories:

CVI50
5454806

D600V
5454072

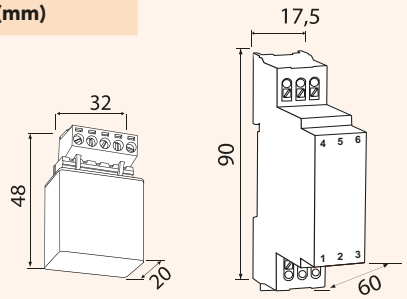
R12M
5454073

WIRED MICROMODULES

2000W RANGE WITH NEUTRAL

TECHNICAL FEATURES

Network voltage	230V ~ (+10% -15%) - 50Hz
Power	on resistive load: 10A 250V~ other loads: 3A 250V~
Consumption	< 1W
Ambient temp.	- 20 °C + 40 °C
Sound level	< 60 dB at 20 cm
Dimensions (mm)	



FUNCTIONAL FEATURES

- Possibility of 12 or 24VAC coil by adding the ADBT accessory to use a low voltage switch.
- Digital coil with protection system in case pushbutton is pressed for a prolonged amount of time.
- Immune to mains disturbances up to 1.5kV.
- MTR2000E/M
  Not compatible with buttons equipped with light indicator: (use MTM2000E/M configured as a toggle relay).
- MTM2000E/M
  Compatible with buttons equipped with light indicator (max 20).
- Electronic overheating protection.
- MTR2000E/M can be centralised with pilot wire.
- Potential-free contact 10A 250V~.

ITEM NUMBER TABLE

2000 Range flush-mounted	Serial number	Item number	P.
Toggle relay	MTR2000E	5454350	81
Timer	MTM2000E	5454351	83
2000 range on DIN rail			
Toggle relay	MTR2000M	5454360	81
Timer	MTM2000M	5454361	83

STANDARDS AND CERTIFICATIONS

WIRED 2000W RANGE FUNCTION TABLE

Main			Products	Timing Function				Other			
Description	Flush-mounted item no.	DIN rail item no.	Centralisation with pilot wire	Configuration from 2 seconds to 4 hours	Possible unlimited duration	Extended duration 12 hours	Notification with gradual switch-off	Relay / timer conversion	Compatibility of buttons with light indicator	Daily scheduler	Button anti-jamming feature
Timed toggle relay MTR2000	5454350	5454360	●	●	●	●	●	●		●	
Timer MTM2000	5454351	5454361	●	●	●	●	●	●	●		●

COMPATIBLE LOAD TABLE

	Resistive loads	Incandescent light bulbs	Fluorescent and energy-saving lamps	Electronic transformers	LEDs	Ferromagnetic transformers	Motors
MTR2000E MTM2000E	I max: 10A P max: 2000W	I max: 6A P max: 1380W	I max: 3A P max: 690VA	I max: 3A P max: 690VA	I max: 3A P max: 690VA	I max: 3A P max: 690W	-
MTR2000M MTM2000M		I max: 10A P max: 2000W	I max: 5A P max: 1150VA	I max: 5A P max: 1150VA	I max: 5A P max: 1150VA	I max: 5A P max: 1150VA	

TIMING CONFIGURATION TABLE

Before setting any configuration, unlock the module with 23 short touches on the button.
It locks automatically after 6 hours.

Configuration principle: SHORT consecutive **TOUCHES** of the button (maximum interval of 0.8 s)
CONFIRMATION reply with blinking after touches.

Touches	Duration	Replies
11	2 minutes	1 blink
12	4 minutes	2 blinks
13	8 minutes	3 blinks
14	15 minutes	4 blinks
15	30 minutes	5 blinks
16	60 minutes (1 hour)	6 blinks
17	120 minutes (2 hours)	7 blinks
18	240 minutes (4 hours)	8 blinks
19	Unlimited timing	9 blinks
20	Anti-lock function (MTM2000 only)	10 blinks

Touches	Duration	Replies
21	Block	1 blink
22	Enabling daily scheduling (MTR2000 only)	2 blinks
23	Unlocking	3 blinks
24	ON/OFF notification	4 blinks
25	Duration in seconds	5 blinks
26	Duration in minutes	6 blinks
27	Toggle relay / Timer	7 blinks
28	Status maintenance in case of power failure	8 blinks
30	Full reset to default values	2 blinks

Configuration in seconds

All durations set in minutes can be changed into seconds with 25 short touches (reply: 5 flashes).
It is possible to switch back to minutes with **26 short** touches (reply: 6 flashes).

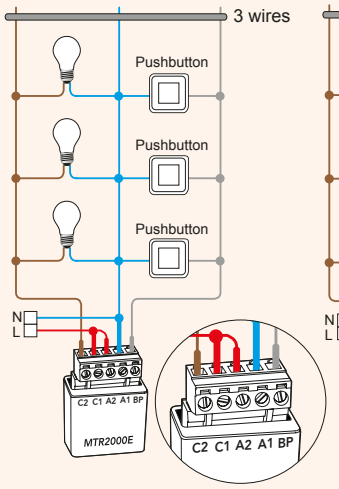
Example:
Configuration of a 15-second duration:
1 - 25 touches (reply: 5 blinks) to select the seconds.
2 - 14 touches (reply: 4 blinks) to set a 15-second duration.

WIRING DIAGRAMS

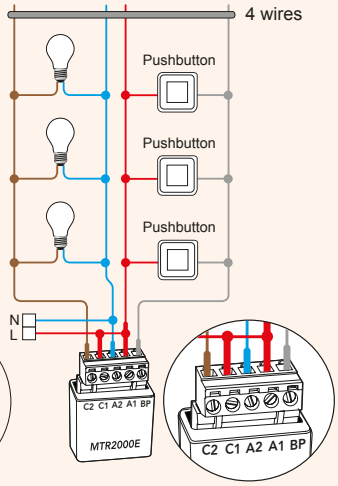
2000W RANGE WITH NEUTRAL

SD542 0009 WIRING FOR FLUSH-MOUNTED VERSION INSTALLED BEHIND A BUTTON

Wiring with button common to neutral

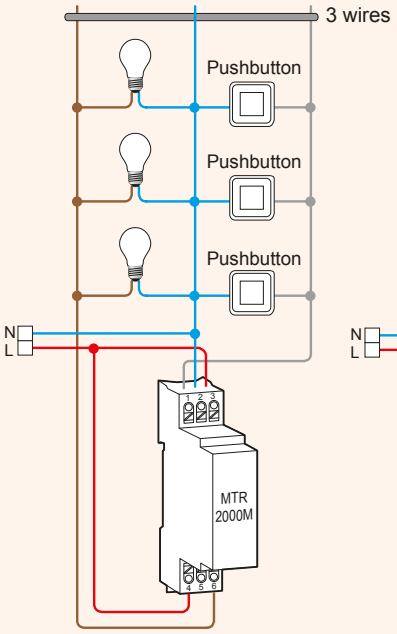


Wiring with button common to phase

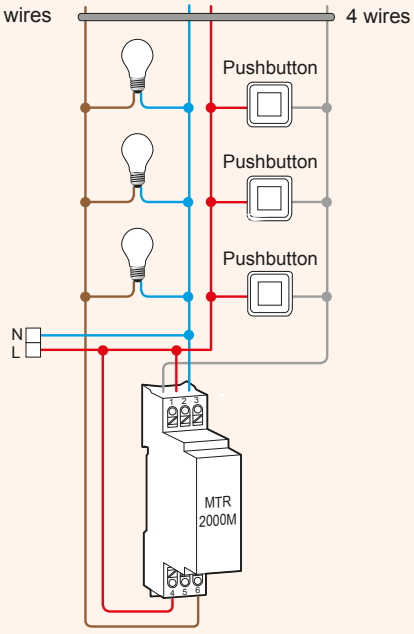


SD542 0010 WIRING FOR DIN RAIL-MOUNTED VERSION FOR ELECTRICAL PANEL

Wiring in electric panel with button common to neutral

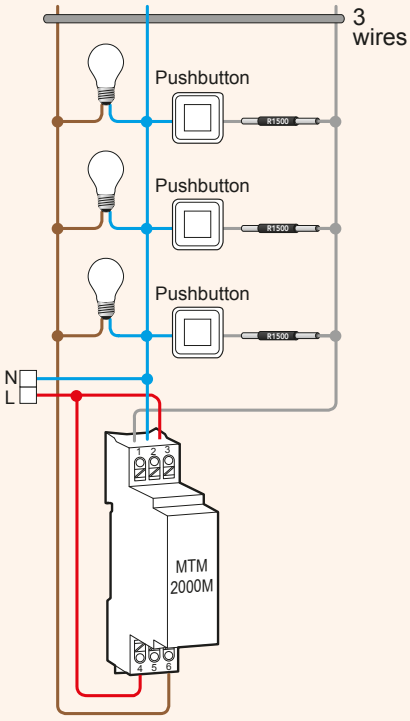


Wiring in electric panel with button common to phase

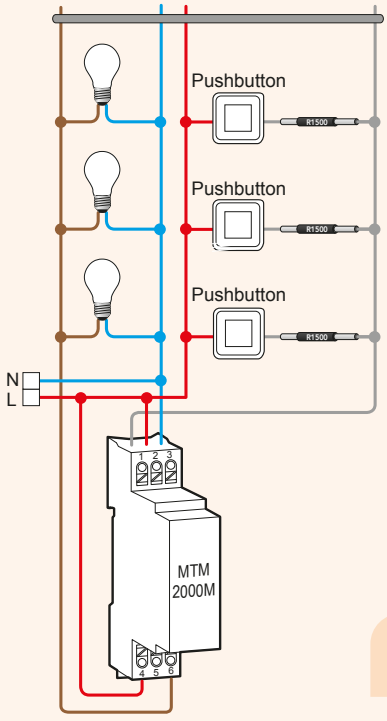


SD542 0011 TIMER WIRING MTM2000M WITH ANTI-JAM OPTION

Wiring with button common to neutral



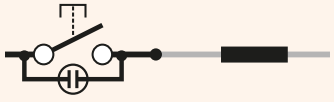
Wiring with button common to phase



The lights will be switched off even if a button gets jammed. The user can switch the lights on again from another button

Anti-jam accessory:

R1500
5454074



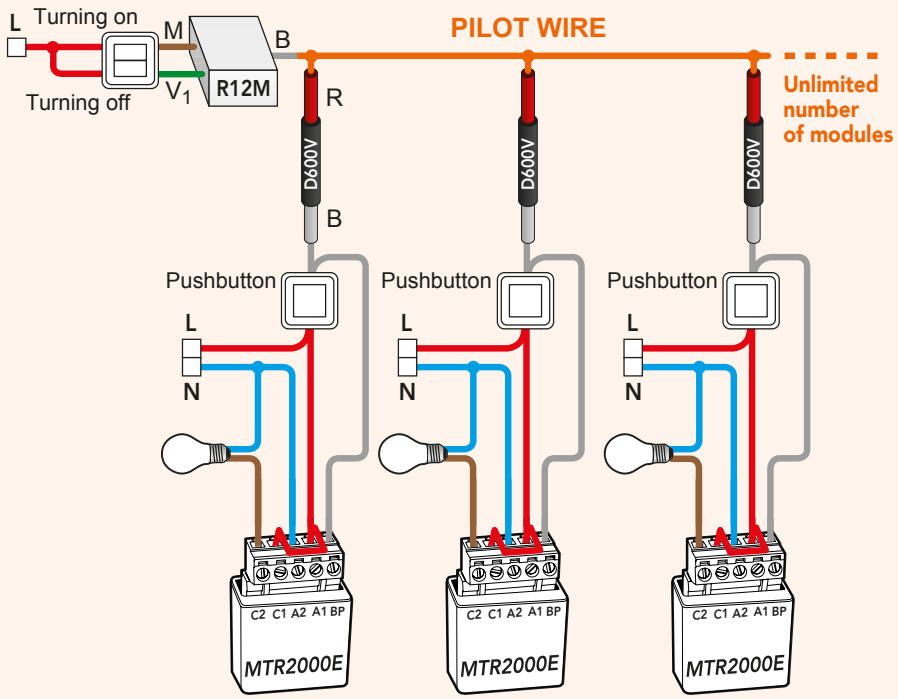
Wired in series to every pushbutton

After wiring the R1500 accessory, remember to configure the timer (see instruction manual).

WIRING DIAGRAMS

2000W RANGE WITH NEUTRAL

SD542 0012 WIRING FOR LIGHTING CENTRALISATION WITH TOGGLE RELAY MTR2000E



B = white wire
M = brown wire
R = red wire
V_1 = green wire

Accessories:

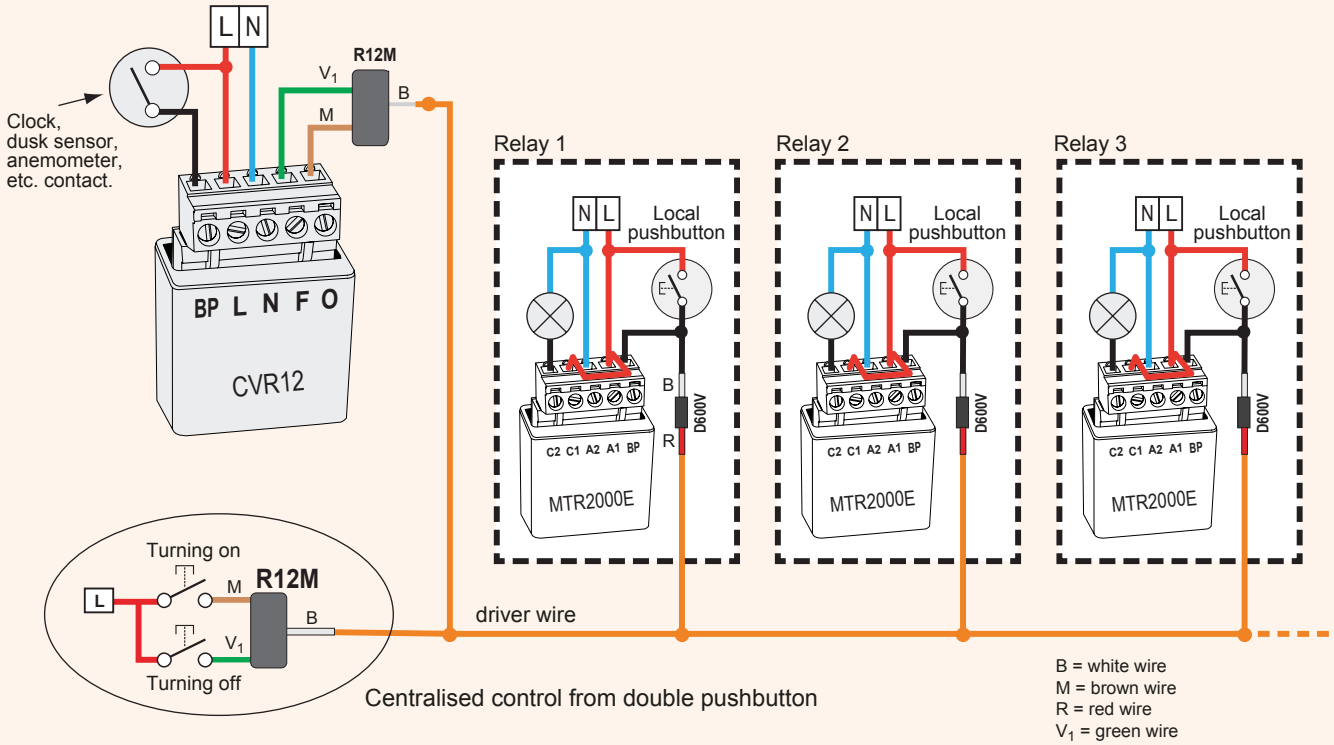
D600V
5454072

R12M
5454073

Lighting centralisation

- Thanks to a single pilot wire, multiple toggle relay controls can be centralised to allow switching on and off all lights simultaneously.
- The R12M accessory (5454073) allows the centralisation of MTR2000E modules with double buttons (non-interlocked) (On / Off).

SD542 2013 CENTRALISATION OF 2000 SERIES MICROMODULES WITH FIXED CONTACT

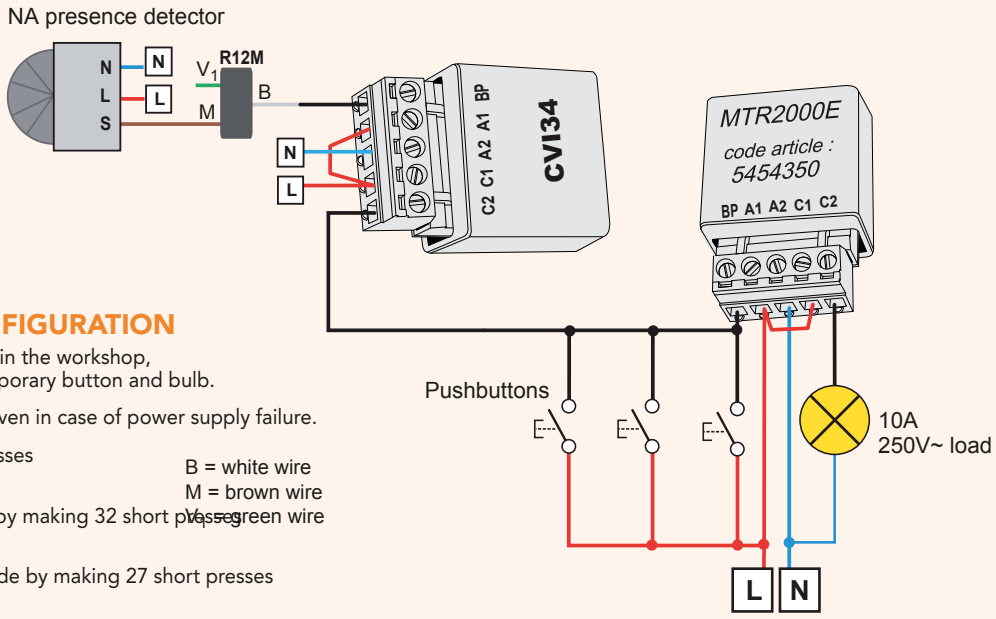


B = white wire
M = brown wire
R = red wire
V_1 = green wire

WIRING DIAGRAMS

2000W RANGE WITH NEUTRAL

SD542 2008 WIRING FOR THE CONTROL OF AN MTR2000E TOGGLE RELAY WITH PRESENCE SENSOR



B = white wire
M = brown wire
V1 = green wire

MTR2000E MODULE CONFIGURATION

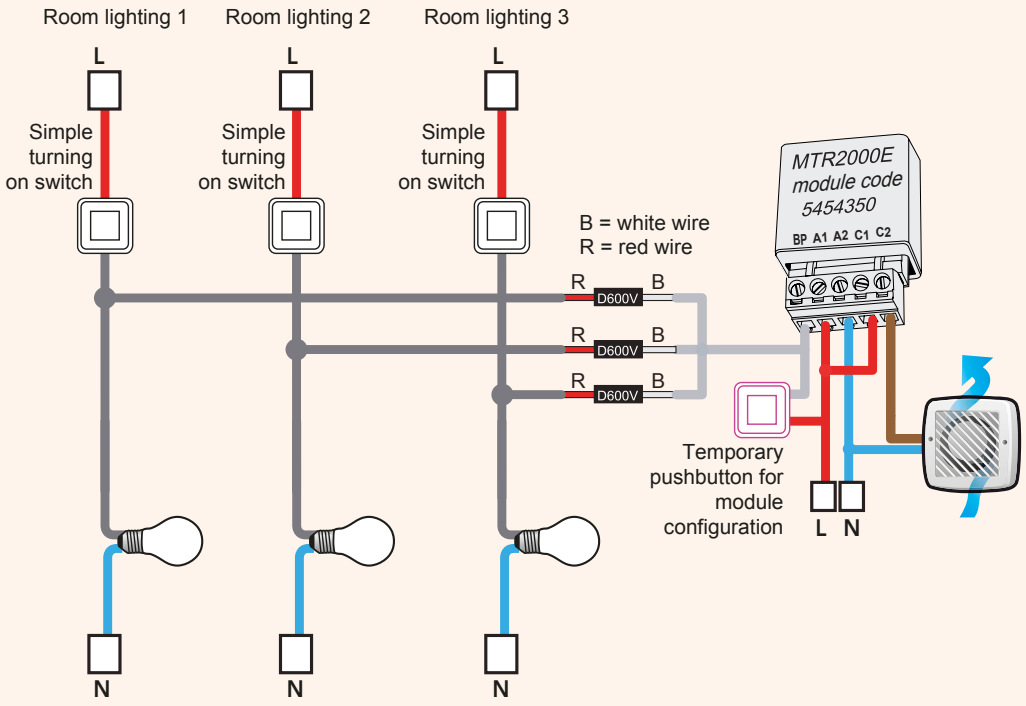
- The module can also be configured in the workshop, before final installation, using a temporary button and bulb.
- Module configuration will be kept even in case of power supply failure.
- **1/** Unlock module with 23 short presses (reply: 3 relay switches).
- **2/** Enable compatibility with CVI34 by making 32 short presses (reply: 2 relay switches).
- **3/** Switch to retriggerable timer mode by making 27 short presses (reply: 7 relay switches).
- **4/** Finally, configure the duration of the light switch-on (starting from the last time the detector was energised or the last time a button was pressed) with 11, 12, 13, 14, 15, 16, 17 or 18 presses to obtain 2, 4, 8, 15, 30, 60, 120, 240 minutes.

R12M

- The installation of the R12M accessory prevents the return to pilot wire of a local control.

Installer configuration enabling: **23 short presses**
Installer configuration lock: **21 short presses**

SD542 0013 WIRING FOR TIMING OF ONE EXTRACTOR FAN WITH ONE OR MORE LIGHTING CIRCUITS



Accessory:

D600V
5454072

Extractor fans may be installed in bathrooms or damp rooms. They can be set to activate every time a light goes on and stay on for a certain amount of time after all lights have been switched off in the room. The extractor fan is activated when a lighting circuit is switched on, the timing starts when the lighting circuit is switched off.

D600V

- The installation of the D600V accessory prevents the return to other local controls

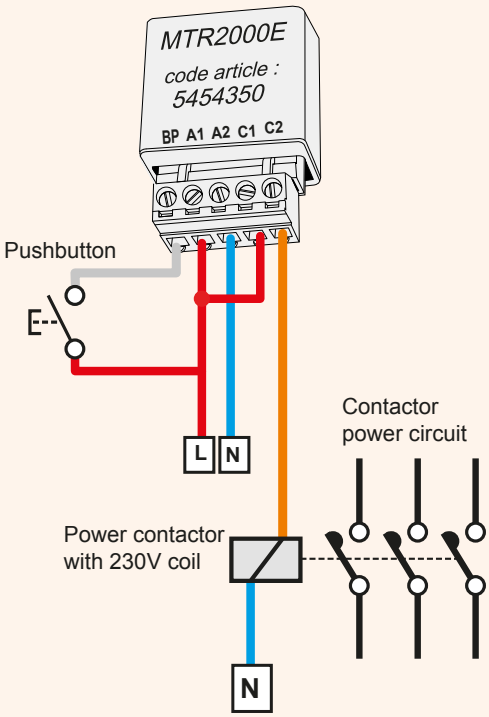
WIRING DIAGRAMS

2000W RANGE WITH NEUTRAL

SD542 2009 PILOTING OF A POWER CONTACTOR WITH 230V COIL FROM AN MTR2000E RELAY

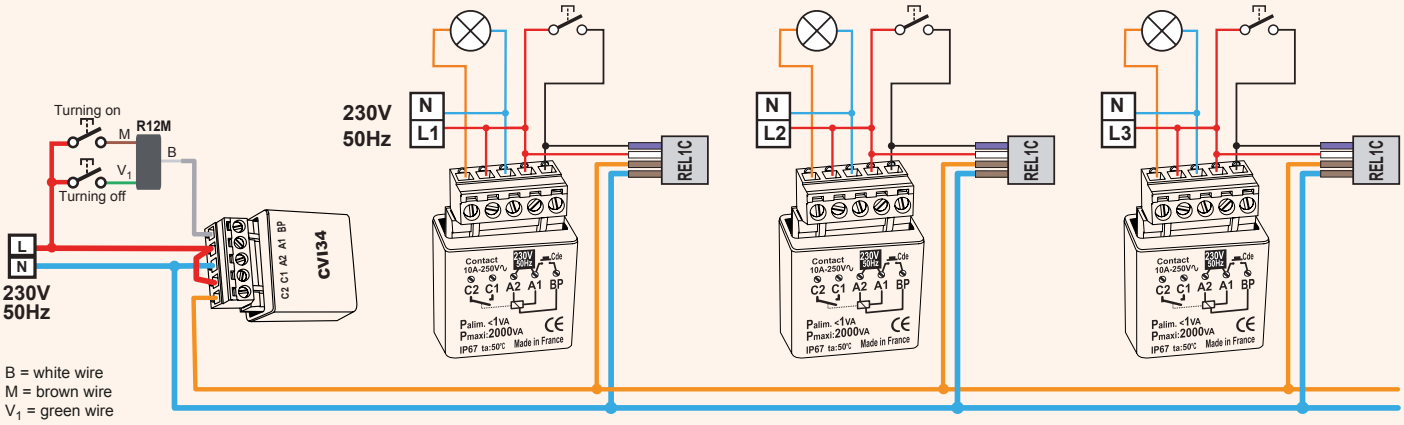
MTR2000E MODULE CONFIGURATION

- The module can also be configured in the workshop, before final installation, using a temporary button and bulb.
- Module configuration will be kept even in case of power supply failure.
- **1/** Unlock module with 23 short presses (reply: 3 relay switches).
- **2/** Depending on the requirement, leave the module in Relay Mode (a second press opens the contactor) or switch to retriggerable timer mode by making 27 short presses (reply: 7 relay switches).
- **3/** Finally, configure the contactor control time with 11, 12, 13, 14, 15, 16, 17 or 18 presses to obtain 2, 4, 8, 15, 30, 60, 120, 240 minutes.



Installer configuration enabling: **23 short presses**
Installer configuration lock: **21 short presses**

SD542 2011 CENTRALISATION OF RELAYS IN THREE-PHASE SYSTEMS WITH REL1C



MTR2000E MODULE CONFIGURATION

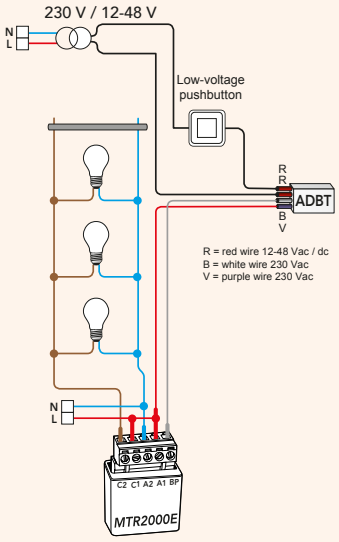
- The various modules can also be configured in the workshop, before final installation, using a temporary button and bulb.
- Each module maintains its configuration even in case of power supply failure.
- **1/** Unlock module with 23 short presses (reply: 3 relay switches).
- **2/** Enable compatibility

Installer configuration enabling: **23 short presses**
Installer configuration lock: **21 short presses**

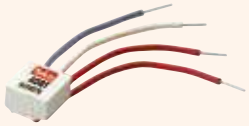
WIRING DIAGRAMS

2000W RANGE WITH NEUTRAL

SD542 0014 24VAC BUTTON CONTROL WIRING



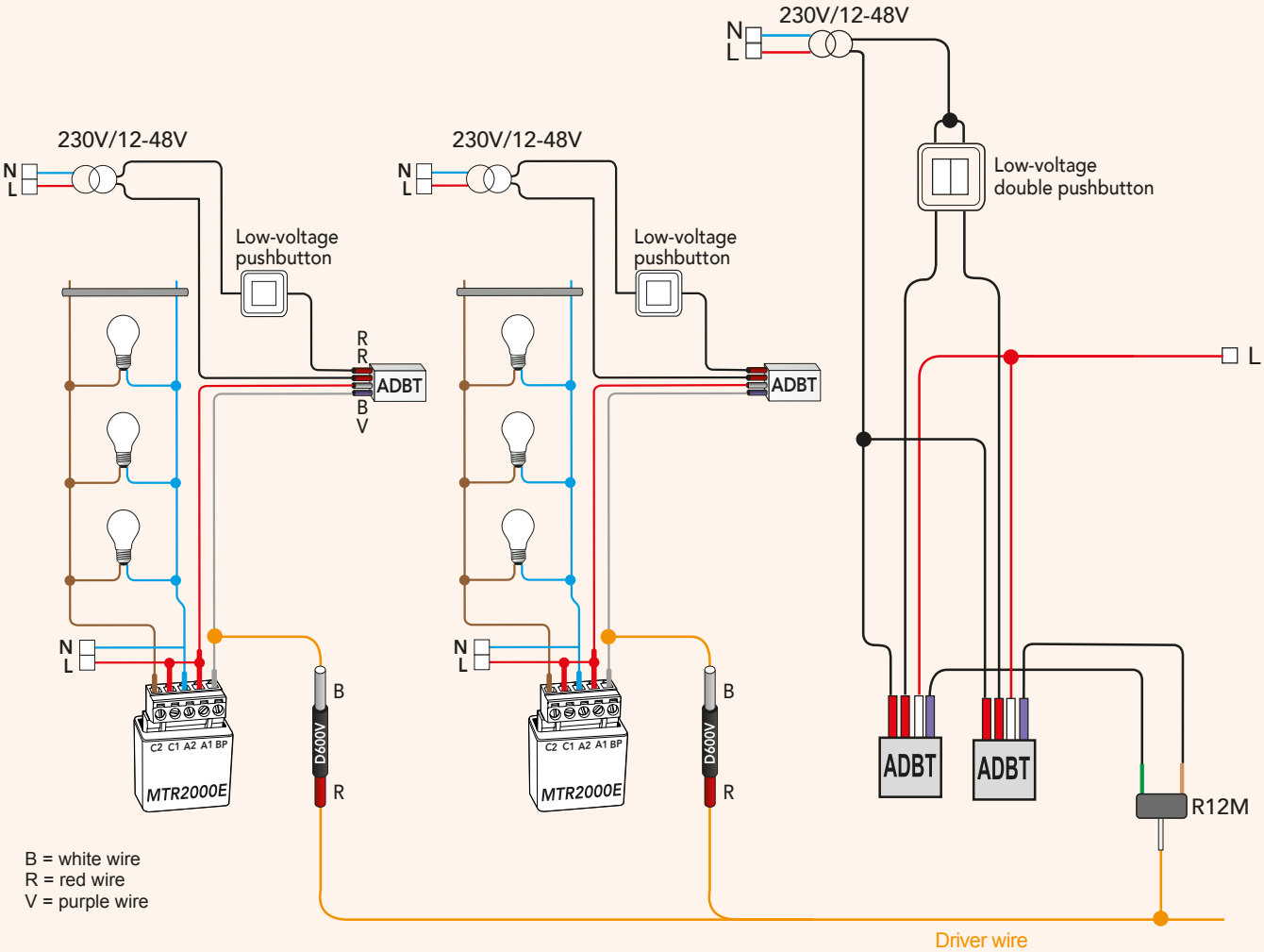
Accessory:



ADTB
5454076

Allows for low voltage control: 12-48V.

SD542 2012 CENTRALISATION OF MTR2000 LOW-VOLTAGE RELAYS, USING ADBT ADAPTERS



Accessory:

ADTB
5454076

Allows for low voltage control: 12-48V.

Night saving

Switch off a few selected lights for a few hours every night

Flashing light

Set light blinking with a configurable frequency

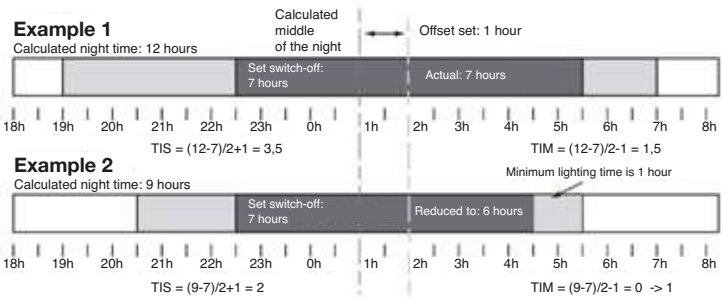
NIGHT SAVING OF 2000W WITH NEUTRAL

MEP2000E 5454356 Night-time saving module

The advantages

- Daily programming of actuations with customisable behaviour.
- Ideal for common areas inside blocks of flats, in residential areas, public areas where lights need to be switched on automatically at night and off in the morning. In these contexts, the MEP2000E saves money without having to switch off the entire lighting line.
- Routers, NAS, TVs and Hifi remain on standby overnight - the MEP2000E reduces power consumption and increases the lifetime of devices.
- Based on the consumption of lights, an investment is obtained which is expected to be paid off in 12 to 18 months: just by turning the lights off for 5 hours each day on 250W, the product will pay for itself in 1 year!
- Compatible with lights controlled by a dusk sensor or astronomical clock.
- Select which lights to turn off with complete flexibility.
- Increases the light bulb replacement interval.
- Compatible with all load types up to 600 VA.

Operating examples



Environmental protection

FLASHING LIGHT OF 500W WITHOUT NEUTRAL

MTC500E 5454056 Flashing light module

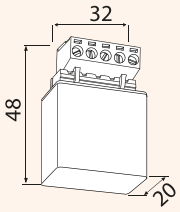
The advantages

- Public lighting (Christmas decorations, car parks, pedestrian zones, monuments).
- Factories (critical applications).
- Flashing lights for video door phone applications, etc.
- Can be centralised through pilot wire with the accessory CVI50 (item no. 5454805), to allow total switching on or off.
- Allows the setting of light blinking with an interval from 0.2 to 25 seconds.
- A dry contact must connect the coil to phase to enable MTC500E blinking. When the contact is interrupted, the light stops blinking. Therefore, the product can be controlled with a timer or a simple switch.
- "Soft start/soft stop" function: protects the bulb and buttons by increasing their lifetime, and improves the user's perception of light (NB: most effective with dimmable LEDs).

NIGHT SAVING

2000W RANGE WITH NEUTRAL

TECHNICAL FEATURES

Network voltage	230V ~ (+/-15%) - 50Hz
Consumption	< 1W
Ambient temp.	from -30 °C to +70 °C
Relative humidity	from 0 to 99%
Load power	600 VA max., 230 VAC
Dimensions (mm)	

FUNCTIONAL FEATURES

- During the night, the MEP2000 module switches off for a period of 4 up to 9 hours any lights that have been activated by a dusk sensor. The switching off is symmetrical with respect to the night centre, with a possible 1 or 2-hour offset.
- The MEP2000 module guarantees in all cases that the lights are switched on for at least 1 hour at the beginning and at the end of the period.

ITEM NUMBER TABLE

2000 Range flush-mounted	Serial number	Item number	P.
Flush-mounted night-time saving module	MEP2000E	5454356	97

STANDARDS AND CERTIFICATIONS

WIRING DIAGRAMS

2000W RANGE WITH NEUTRAL

MODULE CONFIGURATION

Important

- Before setting any configuration, unlock the module with 23 short touches on the button. The module will lock automatically after 6 hours.
- However, the module can be locked again immediately with 21 short touches.

Switch-off duration configuration

- Configurations are saved in case of power failure.
- A duration of 4 up to 9 hours can be configured with a quick sequence of touches (see table on the side).
- Default factory setting is 5 hours.

Night centre offset configuration

- The night centre offset can be configured from 0 to 2 hours (see table at the side).
- Default factory setting is 1 hour.

Demo Mode

- The Demo Mode allows testing the product by accelerating its internal clock (x 1440).
- In this mode, a 24-hour day can be simulated in 1 minute.

Night duration

- Night duration is calculated based on the module's power-up period.
- The module saves the duration of the last 4 nights and calculates the average to estimate the duration of the current night.
- The module will never save durations under 5 hours.
- Upon commissioning, the 4 saved night durations are of 15 hours.

Lighting time

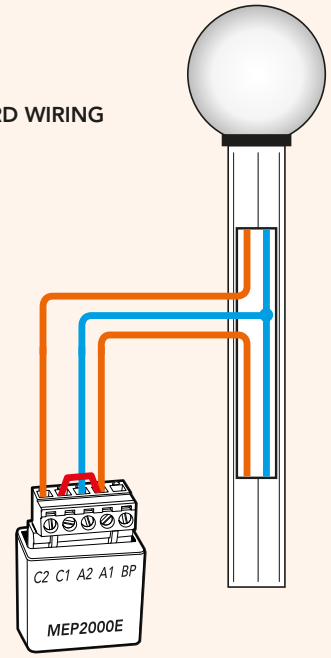
Offset = forward shift of night middle line. Can be configured by the installer from 0 to +2 hours (default setting 1 hour).
NT = average night time.
OT = off time set by the installer, from 4 to 9 hours (default setting 5 hours).
ELT = evening lighting time.
ELT = (NT-OT)/2 + Offset.
The module switches on at power-up during ELT, then switches off during OT and switches on again until it is powered off.

Touches(1)	Duration	Replies(2)
Off time		
10	**No switch-off**	10 blinks
11	**4 hours**	1 blink
12*	**5 hours**	2 blinks
13	**6 hours**	3 blinks
14	**7 hours**	4 blinks
15	**8 hours**	5 blinks
16	**9 hours**	6 blinks
Night centre offset		
17	**no offset**	7 blinks
18*	**1 hour**	8 blinks
19	**2 hours**	9 blinks
21	**configuration lock**	1 blink
23	**configuration unlock**	3 blinks
25	**reset to default values**	2 blinks
26*	**demo OFF**	6 blinks
27	**demo ON**	7 blinks

Configuration principle:

(1) SHORT CONSECUTIVE TOUCHES of the button (maximum 0.8 s interval).
(2) CONFIRMATION REPLY with blinking after touches.
(*) default setting

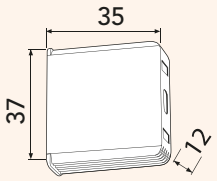
SD542 2007 **STANDARD WIRING**



FLASHING LIGHT

500 W RANGE WITHOUT NEUTRAL

TECHNICAL FEATURES

Network Voltage	230V ~ (+10% -15%) - 50Hz
Power	min. 5VA max. 500VA max. 250VA LED (250 VA for sealed box)
Intensity	1.3A max.: 2.2A
Ambient temp.	- 20 °C + 40 °C
Relative humidity	from 0 to 99%
Dimensions (mm)	

FUNCTIONAL FEATURES

- 100% waterproof for outdoor installation.
- Possibility of using low-voltage buttons with the ADBT accessory (Item no. 5454076).
- Double overload protection with power cut-off.
- Electronic overheating protection.
- Immune to mains disturbances up to 1.5kV.
- Built-in automatic switch in case of short circuit on the load, with automatic reset after the fault is eliminated.
- Digital coil with protection system in case pushbutton is pressed for a prolonged amount of time.
- Increases light bulb and switch duration.
- Variation principle through cut-off at phase start or phase end with automatic load type recognition **(only MTV500M / MTV500E)**.
- Works with buttons equipped with light indicator (max 20) by wiring a single BV40 accessory (Item no. 5454071) to be installed as close as possible to the micromodule.

ITEM NUMBER TABLE

500 Range flush-mounted	Serial number	Item number	P.
Flashing light	MTC500E	5454056	97

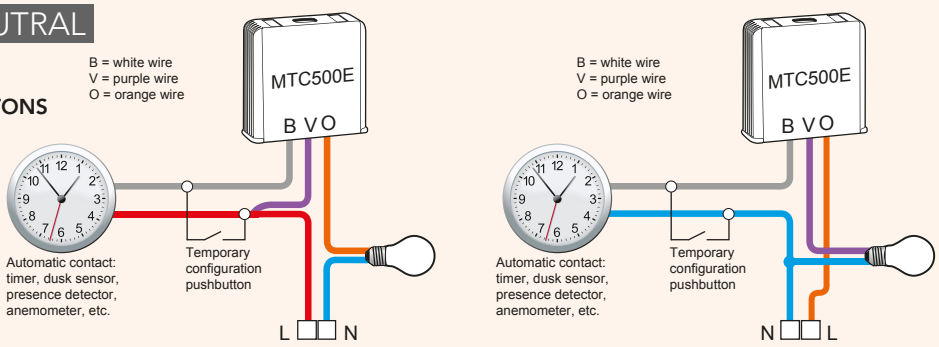
STANDARDS AND CERTIFICATIONS

CE WARRANTY 5 YEARS MADE IN EU

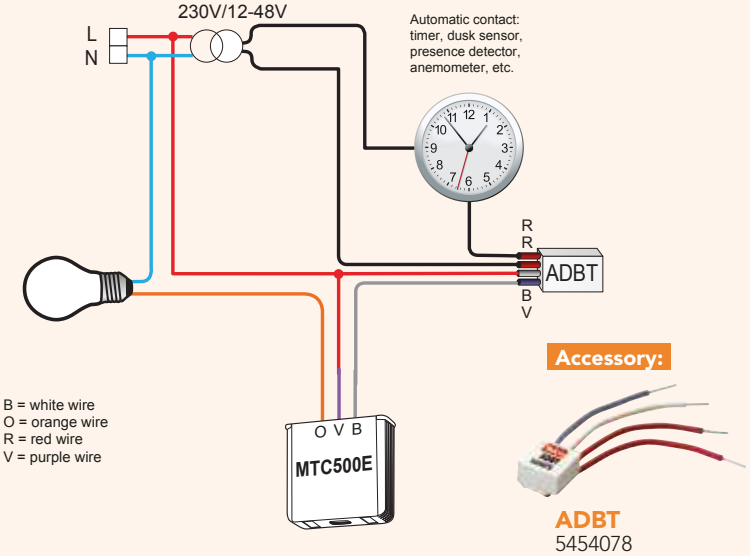
WIRING DIAGRAMS

500 W RANGE WITHOUT NEUTRAL

SD542 0515 **2-WIRE WIRING WITH BUTTON COMMON TO PHASE AND BUTTONS COMMON TO NEUTRAL**



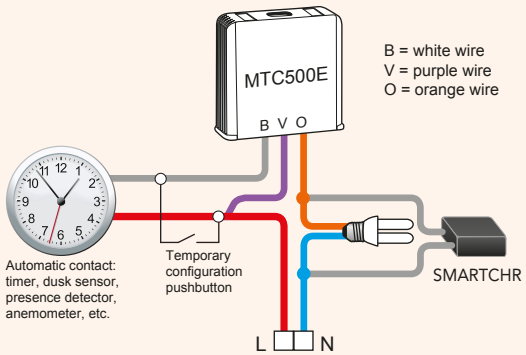
SD542 0518 **ADBT ADAPTER WIRING FOR A LOW-VOLTAGE CONTACT 24-48V**



Accessory:

ADBT
5454078

SD542 0516 **ADDING A SMARTCHR RESISTIVE LOAD FOR LED LAMPS**



Shutter micromodule

Centralisation of shutters, screens and sun blinds

With Yokis micromodules **motorised roller shutters can be controlled**, either individually or centrally using a simple pilot wire, for individual zones or for the whole house.

Equipped with a torque control system to prevent breakage, Yokis micromodules for roller shutters can be **easily integrated into all types of 230V 3-wire or 4-wire motors** and make it easy to create centralisation zones within the home **using a single pilot wire**.

CENTRALISATION

MICROMODULES 500W WIRED SHUTTER

MVR500E	5454090	Recessed installation shutter micromodule

The advantages

- **Functional**: centralise an unlimited number of window shutters with a single pilot wire.
- **Universal:** compatible with most shutters, sun blinds, awnings, with a 3- or 4-wire 230V motor.
- **Easy to use:** works with single or double button (not switch type) by adding the accessory **R12M (item no. 5454073)**.
- Daily scheduling for individual modules allowing automatic opening/closing of the shutter every day at a certain time.
- **Centralisation**: control all window shutters with a single pilot wire and a double up and down button, by adding the accessory:
  - R12M (item no. 5454073)
  - D600V (item no. 5454072)
- In the case of long pilot wire distances or network interferences, it is recommended to use the accessory **CVI34 (item no. 5454806)**.
- **Economical:** simplicity and customisation make installation extremely competitive in terms of cost. Moreover, the pilot wire is simply added when connecting the system to the power supply.
- **Easy to install:** pull-out terminal board makes installation easier.
- Does not damage the window shutter or the motor in case of an obstacle thanks to the built-in torque control.

Multi-zone centralisation

The solution with pilot wire also allows the creation of the required number of intermediate zones: by group of rooms, by floor, by building, etc.

ACCESSORIES

CVI34 5454806 **- Converter for permanent contact for roller shutter modules.**
Allows shutter centralisation to be configured with automation system or clock.

D600V 5454072 **- Diode for centralisation/pilot wire.**
Allows a local command to be blocked on the pilot wire.

R12M 5454073 **- Interface for double button (not interlocked).**
Allows the up and down order to be to set on a double button (not interlocked).

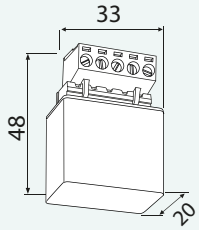
BR12M UP/DOWN 5454818 **- Module with double button** for Simon Urmet NEA series 50X boxes for wired shutter control, both local and centralised.

MICROMODULES

WINDOW SHUTTERS

TECHNICAL FEATURES

Network voltage	230V ~ (+10% -15%) - 50Hz
Power	3- or 4-wire motor
	230V ~ (+10% -15%) - 50Hz
Ambient temp.	- 20 °C + 40 °C
Sound level	< 60 dB at 20 cm
Relative humidity	from 0 to 99%
Dimensions (mm)	



FUNCTIONAL FEATURES

- **Centralisation**:
  Control all shutters with a single pilot wire and a double up and down button.
- **Economical**:
  The module is extremely cost-effective thanks to its simplicity and its features. Moreover, the pilot wire is simply added when connecting the system to the power supply.
- **Small**:
  It can be installed behind the buttons of the wiring system, with boxes having 50 mm depth.
- **Programming**
  Can perform daily opening or closing of shutters thanks to the integrated daily timer.
- **Use one micromodule per motor.**
- **Compatible with all types and makes of 3- or 4-wire motors.**

ITEM NUMBER TABLE

500 Range flush-mounted	Serial number	Item number	P.
Shutter micromodule	MVR500E	5454090	101

STANDARDS AND CERTIFICATIONS

In case of power failure, the MVR500 module saves all settings, except for daily schedules.

MAIN FUNCTIONS

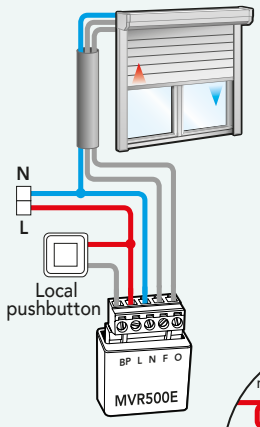
Use of the micromodule

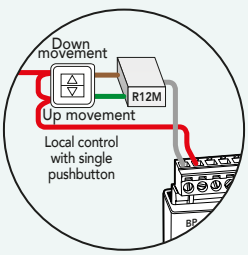
The MVR500E can be controlled from a single or a double button. The shutter responds by moving a few tenths of a second after touching the button.

- **With single button:**
  The shutter can be opened or closed completely with one touch. While the window shutter is moving, it can be stopped with another touch. In this case, when touching the button again, the module will change the shutter's moving direction.
- **With double button (not switch):** (requires the use of a Yokis R12M accessory item no.: 5454073)
  To move the window shutter upwards or to stop upward movement, touch the Up button once. To move the window shutter downwards or to stop downward movement, touch the Down pushbutton once. While the shutter is moving down, pressing the Up button once causes it to stop for 0.5 seconds followed by the upward movement. Touching the two buttons simultaneously will open the shutter.
- **Use of short touches:**
  Yokis micromodules can be operated or configured with repeated short touches. The speed must be of at least 2 touches per second. As the user is touching the pushbuttons, the window shutter does not move. At the end of the touches, the micromodule always confirms the window shutter configuration with a quick up and down movement. To configure identical settings on several micromodules, apply short touches on either the centralised Up or Down button.

ATTENTION! Before setting any configuration, unlock the micromodule with 23 short touches on the button.

SD541 0022 STANDARD WIRING





- Use a protected power supply line, in accordance with the laws in force. Disconnect the power supply before wiring the micromodule.
- Connect the main power supply between the “L” and “N” terminals.
- Connect the local button between the “L” and “BP” terminals. To use a double button (not interlocked), add the R12M accessory (item no.: 5454073).
- Connect the motor wires to the “N”, “O” and “F” terminals. Make sure that the wire connected to the “O” input actually corresponds to the up movement. Do not rely on the colour of motor wires. To verify motor correct connection, apply 3 short touches on the button: the shutter should move upwards. Apply 4 short touches on the button to move the shutter down. If that is not the case, simply invert the motor wires on the terminal board of the MVR500E.

BP -- Button
L -- Phase 230V~ 50 Hz common button
N -- Common motor neutral
F -- Closing motor wire
O -- Opening motor wire

The micromodule terminal board can be removed for easier wiring.

MICROMODULES

WINDOW SHUTTERS

MVR500E CONFIGURATION SUMMARY TABLE

Functions		Touches (1)
Intermediate position	Intermediate position return	2
	Current shutter position is saved as intermediate position	5
Centralisation with single button:	Centralised opening with single button	3
	Centralised closing with single button	4
Electronic limit switches (2)	Definition of lower electronic limit switch	12
	Definition of upper electronic limit switch	14
	Deletion of upper and lower electronic limit switch	16
Motor force control	Cancelling of opposite movement in case of motor overload (bistable)	17
	Increases motor force (bistable)	19
	Up and down wire logic inversion (bistable)	20
	Limit switch and motor force control disabling	24
	Disables / enables motor force control (bistable)	26
Micromodule lock	Installer configuration lock	21
	Disables / enables daily scheduler (bistable)	22
	Installer configuration authorisation	23
Reset to default values	Micromodule reset to default settings	25

Saving an intermediate position

- For this purpose, close the shutter completely and then move it upwards to the desired position. Save the position with 5 touches of the pushbutton.
- The position can be recalled with 2 short touches of the button.

(1) Quick consecutive short touches of the pushbutton.
(2) For electronic limit switch configuration, contact technical support.
NOTE: The term "bistable" means that with the same number of short touches, it will return to the previous setting.

Definition of short touches:

- In the case of a double button (not interlocked), it is possible to use either the up or down button.
  To configure identical settings on several micromodules, apply short touches on the centralised Up or Down button.
- Before carrying out any configuration with short touches, the shutter must be stationary for at least 2 seconds.
  No more than 1 second must elapse between two consecutive touches.
- At the end of the short touches, the shutter performs an up and down movement to confirm configuration.

FAULT TABLE

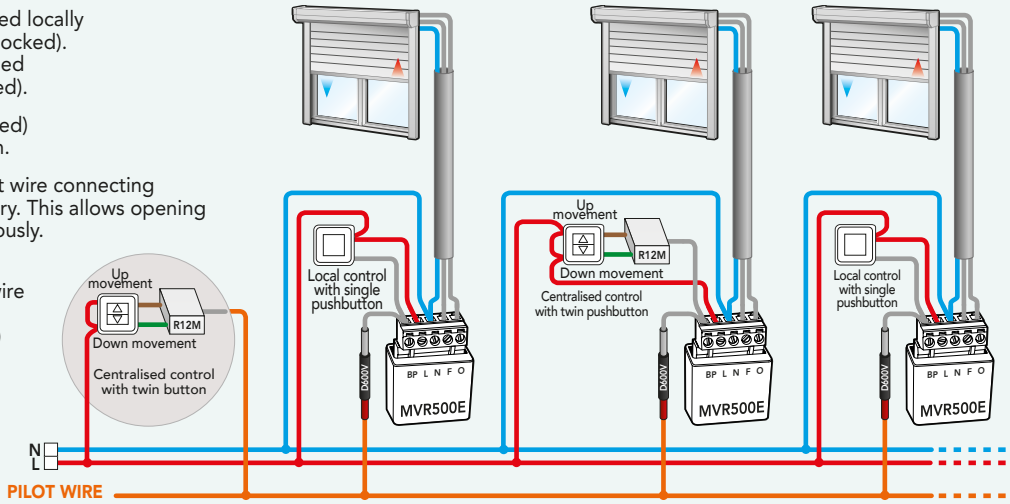
Fault	Causes	Checks and solutions
The window shutter does not move but the relays can be heard switching for one second	Motor wires may be disconnected	Verify window shutter operation by disconnecting the connector of the MVR500E and powering the devices directly on the terminals.
	The motor is in overload protection mode	After several operations the window shutters switch to overload protection mode. Normal operation is resumed after a few minutes.
The window shutter stops during an upward movement and changes direction	Motor wires may be inverted	Apply 3 short touches on the button to open the window shutter. If the window shutter closes, it means the connection is inverted. Invert the up and down wires on the MVR500E terminal board.
	The motor is under excessive stress	Try increasing motor force with 19 short touches.
The window shutter stops during a downward movement and changes direction	The slats of the roller shutter are offset and strain inside the guides.	Operate the shutter repeatedly to try and re-align the slats. Try increasing motor force with 19 short touches.
The shutter opens slightly after a complete closure	The lower limit switch is misaligned and the motor pushes against the electrical limit switch	Re-adjust the window shutter lower electrical limit switch. Try increasing motor force with 19 short touches. In case of motor overload, eliminate the opposite movement with 17 short touches.
The shutter closes slightly after a complete opening	The upper limit switch is misaligned and the motor pushes against the side mechanical stops	Adjust the window shutter upper electrical limit switch.
		In case of motor overload, eliminate the opposite movement with 17 short touches.
The window shutters stop during movement only when operated from a centralised control	Poor main power supply	Avoid using wire extensions with insufficient cross-section area or too long to power the system.
When operating the centralised control, some window shutters move upwards while others move downwards	The motor wires are inverted on some micromodules	Apply 3 short touches on the button to open the window shutter; if the window shutter closes, it means the motor wires are inverted on the terminal board.
The roller shutter closes by itself	A local command is sent to the pilot wire	Use the D600V accessory (item no. 5454072) to block the sending of a local command to the pilot wire.

WIRING DIAGRAMS

WINDOW SHUTTERS

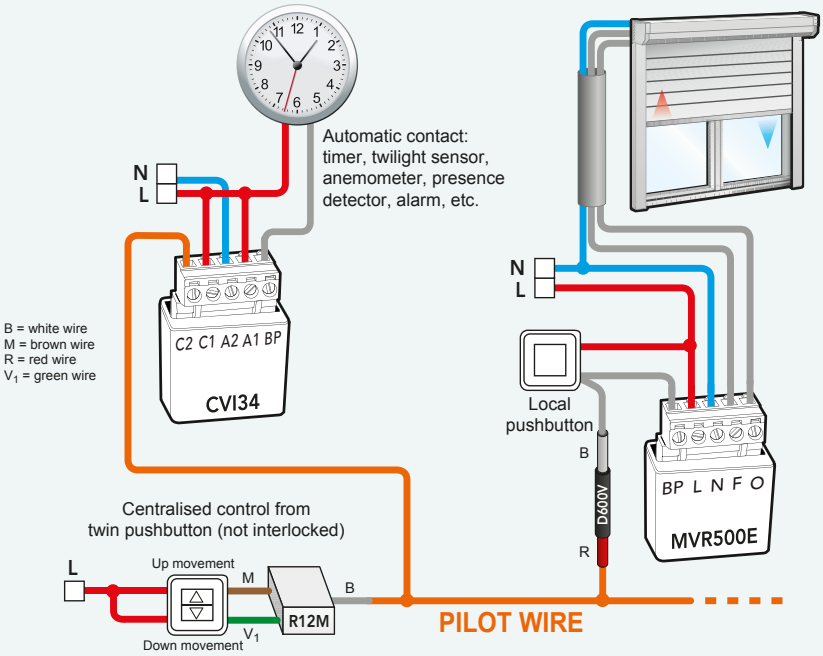
SD541 0023 WIRING OF A PILOT WIRE CENTRALISATION

- Each window shutter can still be controlled locally with a single or double button (not interlocked). In the latter case, a R12M must be installed behind the double button (not interlocked).
- Single and double buttons (not interlocked) can both be used in the same installation.
- Centralisation is achieved through a pilot wire connecting all local controls with the D600V accessory. This allows opening or closing all window shutters simultaneously.
- In case of three-phase power supply, the same phase must be used for pilot wire and power supply of MVR500E. If this is not possible, use the REL1C (5454081) and CVI34 (5454806) accessories to carry out the installation (see diagrams on page 108).
- All wiring diagrams are available on our website **www.yokis.com**.



Maximum 100 micromodules on the same pilot wire

SD541 0025 CENTRALISATION WITH CLOCK



Accessories:

CVI34
5454806

Allows the micromodules to be controlled with a clock, a dusk sensor or a level anemometer.

Dimensions (mm):
width 32 × height 48 × thickness 20

R12M
5454073

Allows converting both upward and downward movement information from a double button on the same wire.

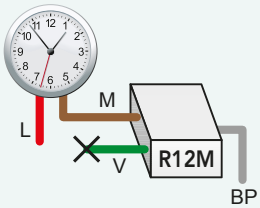
Dimensions (mm):
width 10 x height 14 × thickness 6

D600V
5454072

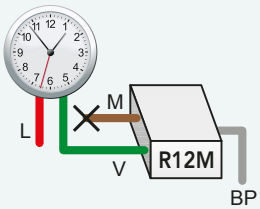
Prevents the return to pilot wire of a local control.

Automatic contact

- When contact closes, shutter opens.
- When contact opens, shutter closes.



- When contact closes (*), shutter opens.
- When contact opens, shutter does not move.



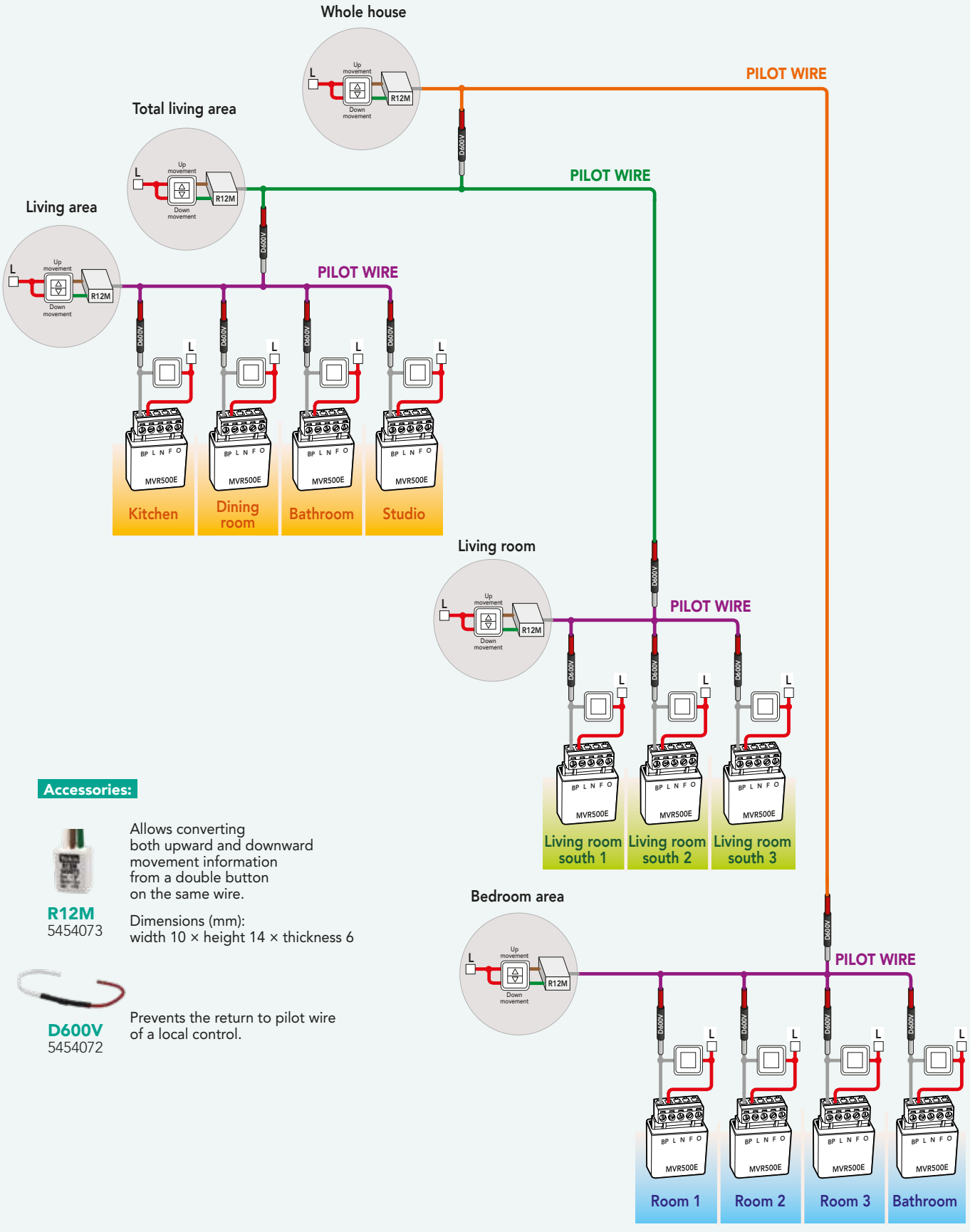
- When contact closes (*), shutter closes.
- When contact opens, shutter does not move.

(*) the contact must remain closed for at least 1 s.

WIRING DIAGRAMS

WINDOW SHUTTERS

SD541 0024 EXAMPLE OF MULTI-ZONE CENTRALISATION



Accessories:

R12M
5454073

Allows converting both upward and downward movement information from a double button on the same wire.

Dimensions (mm): width 10 × height 14 × thickness 6

D600V
5454072

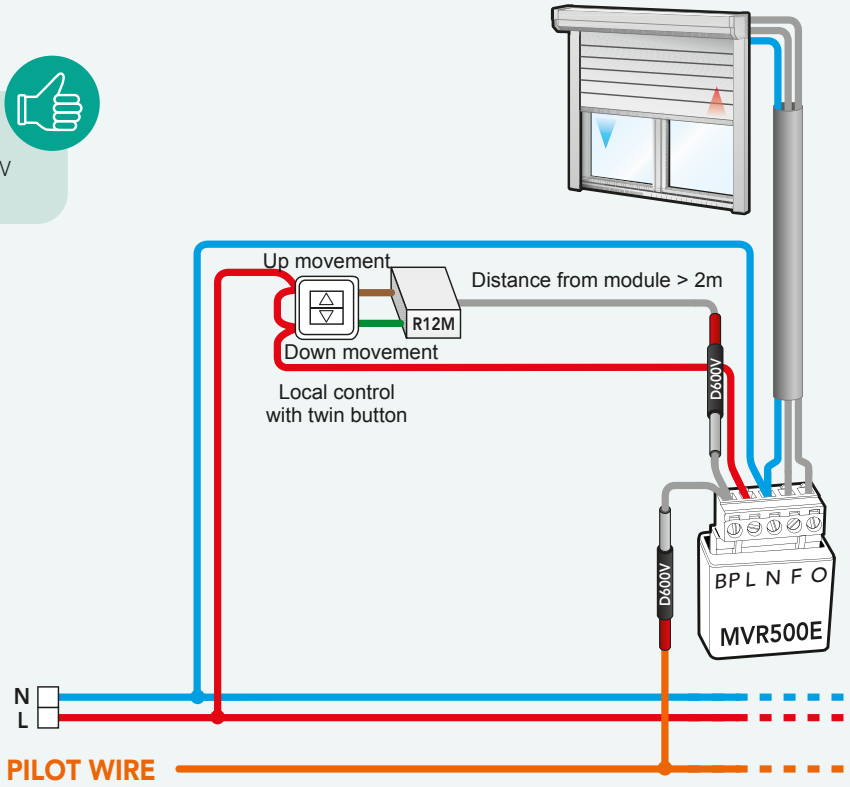
Prevents the return to pilot wire of a local control.

WIRING DIAGRAMS

WINDOW SHUTTERS

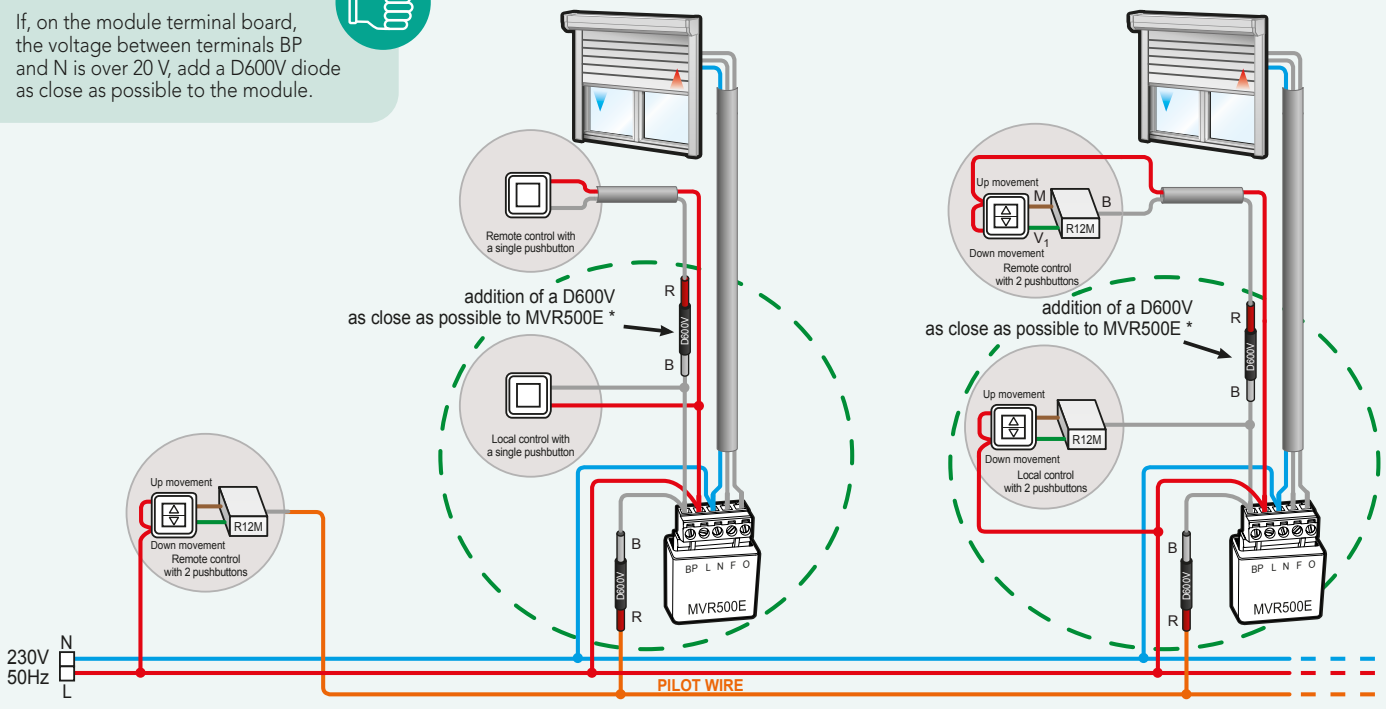
LOCAL CONTROL AWAY FROM THE MODULE

If the local control is located at a distance of more than 2 m from the shutter module, add a D600V diode as shown in the diagram.



SD541 0026 CONTROL FROM REMOTE BUTTON

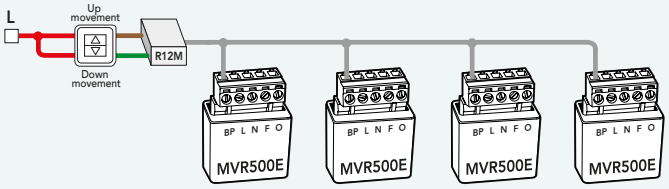
If, on the module terminal board, the voltage between terminals BP and N is over 20 V, add a D600V diode as close as possible to the module.



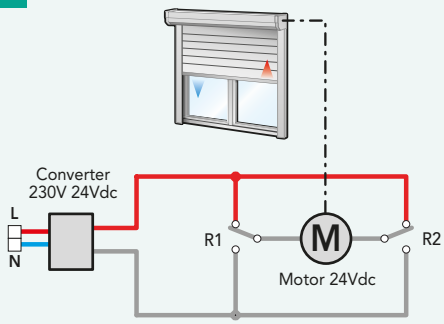
WIRING DIAGRAMS

WINDOW SHUTTERS

SD541 0027 CONTROLLING SEVERAL SHUTTERS WITH ONE SINGLE BUTTON



SD541 0028 CONTROLLING A 24VDC SUN BLIND



Accessories:

D600V
5454072

Prevents the return to pilot wire of a local control.

CVI34
5454806

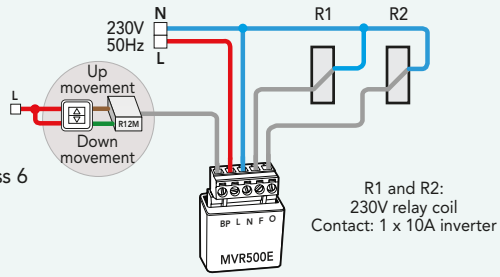
Allows the micromodules to be controlled with a clock, a dusk sensor or a level anemometer.

Dimensions (mm):
width 32 × height 48 × thickness 20

R12M
5454073

Allows converting both upward and downward movement information from a double button on the same wire.

Dimensions (mm):
width 10 x height 14 × thickness 6



R1 and R2:
230V relay coil
Contact: 1 x 10A inverter

SD541 0036 DELAYED OPERATION OF A GROUP OF SHUTTER MODULES ON A CENTRALISED SYSTEM

Programming the MTR2000E with timer

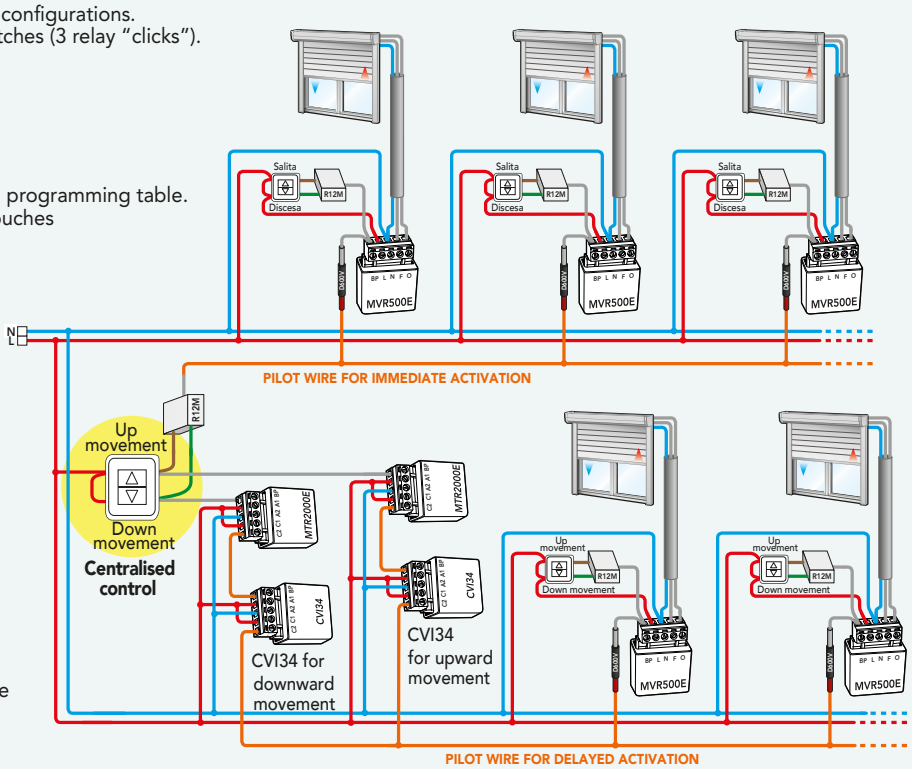
- **1/** Connect a temporary button between the phase and "BP" terminals of the two MTR2000E modules (they can be simultaneously programmed in parallel with a button).
- **2/** Make 23 short presses on the button to enable configurations. The modules will respond with 3 short contact switches (3 relay "clicks").
- **3/** Set the "timer" mode with 27 short touches (reply: 7 relay "clicks").
- **4/** Set the timer in seconds with 25 short touches (reply: 5 relay "clicks").
- **5/** Finally, set the activation delay according to the programming table. E.g. for a delay of 30 seconds, perform 15 short touches (reply: 5 relay "clicks").

Programming CVI34 for downward movement

- **1/** Connect a temporary button between the phase and the "BP" terminal of the CVI34 module.
- **2/** Enable configurations with 23 presses (reply: 3 relay "clicks").
- **3/** Set the number of pulses to close the shutters when contact C2 of the timer is reopened. Perform:
  25 touches (reply: 5 relay "clicks")
  14 touches (reply: 4 relay "clicks")
  26 touches (reply: 6 relay "clicks")
  10 touches (reply: 10 relay "clicks")

Programming CVI34 for upward movement

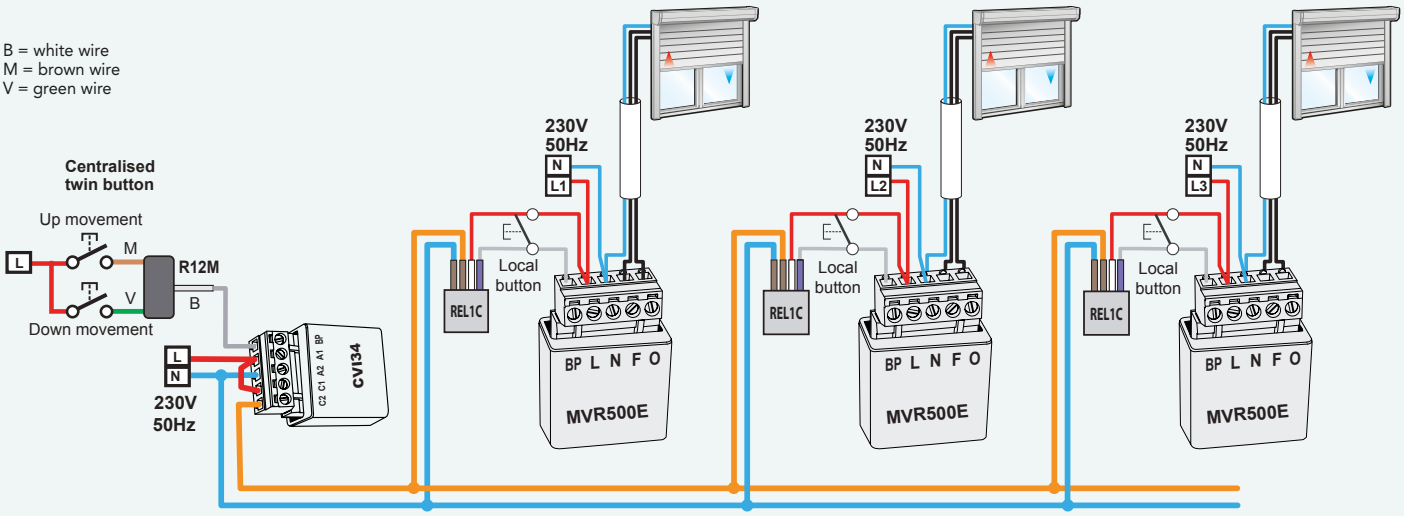
- **1/** Connect a temporary button between the phase and the "BP" terminal of the CVI34 module.
- **2/** Enable configurations with 23 presses (reply: 3 relay "clicks").
- **3/** Set the number of pulses to open the shutters when contact C2 of the timer is reopened. Perform:
  25 touches (reply: 5 relay "clicks")
  13 touches (reply: 3 relay "clicks")
  26 touches (reply: 6 relay "clicks")
  10 touches (reply: 10 relay "clicks")



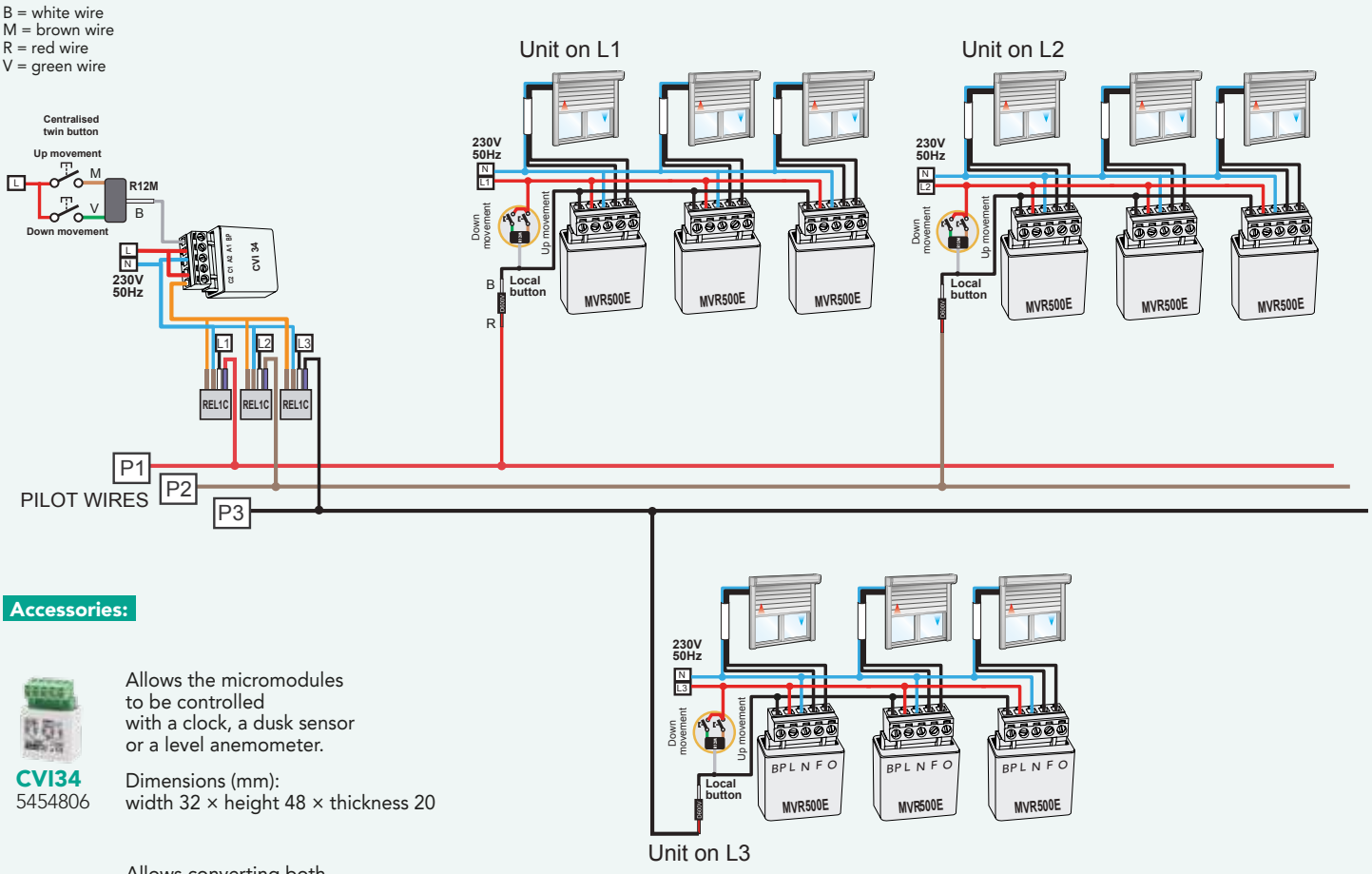
WIRING DIAGRAMS

WINDOW SHUTTERS

SD541 3031 THREE-PHASE: SHUTTER CENTRALISATION WITH REL1C ACCESSORIES



SD541 3036 THREE-PHASE: SHUTTER UNIT CENTRALISATION WITH REL1C ACCESSORIES



Accessories:

CVI34
5454806

Allows the micromodules to be controlled with a clock, a dusk sensor or a level anemometer.

Dimensions (mm): width 32 × height 48 × thickness 20

R12M
5454073

Allows converting both upward and downward movement information from a double button on the same wire.

Dimensions (mm): width 10 x height 14 × thickness 6

D600V
5454072

Prevents the return to pilot wire of a local control.

REL1C
5454081

WIRING DIAGRAMS

WINDOW SHUTTERS

SD541 3024 LOW-VOLTAGE SHUTTER CENTRALISATION

Accessory:

ADTB
5454076

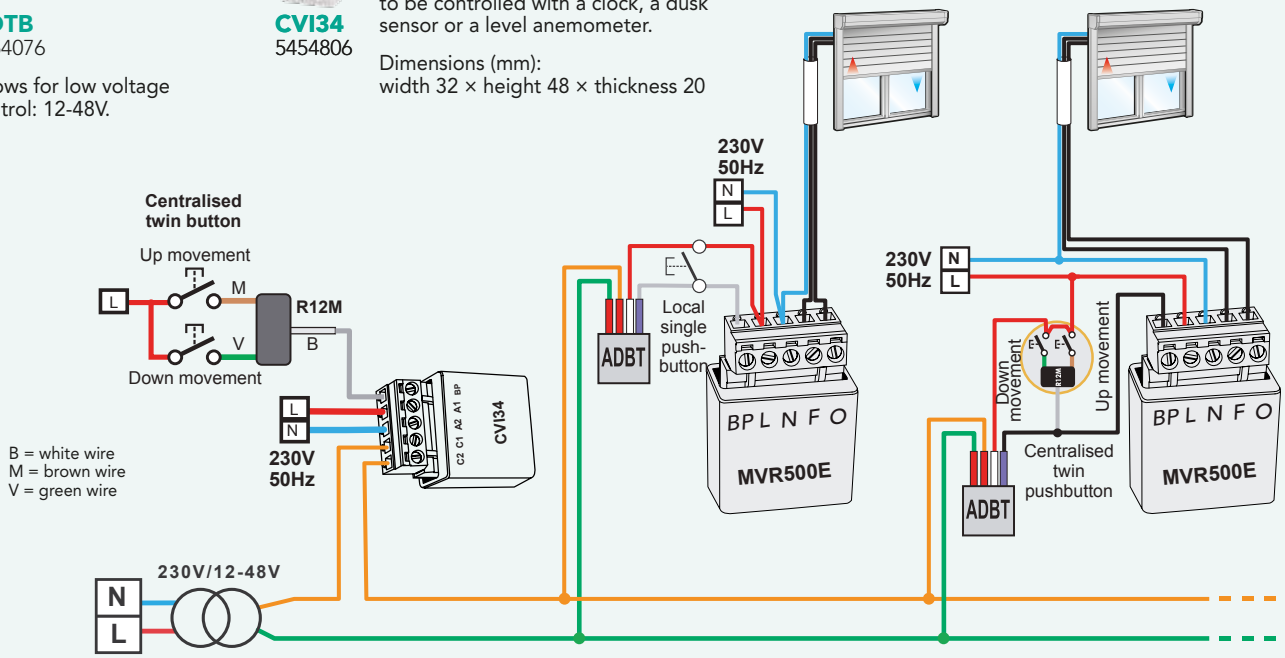
Allows for low voltage control: 12-48V.

CVI34
5454806

Allows the micromodules to be controlled with a clock, a dusk sensor or a level anemometer.

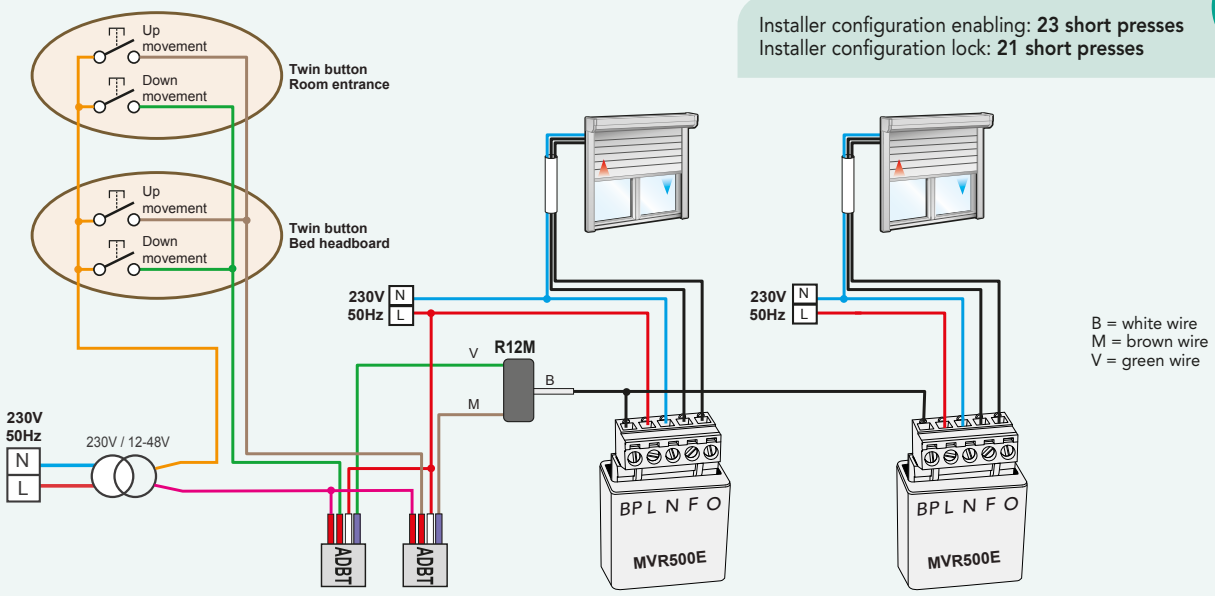
Dimensions (mm):
width 32 × height 48 × thickness 20

Installer configuration enabling: **23 short presses**
Installer configuration lock: **21 short presses**



SD541 3025 WIRING OF 24V MVR500E SHUTTER MODULES WITH THE ADBT ACCESSORY (2 DOUBLE BUTTONS) SUCH AS IN A HOSPITAL ROOM

Installer configuration enabling: **23 short presses**
Installer configuration lock: **21 short presses**



Accessory:

ADTB
5454076

Allows for low voltage control: 12-48V.

R12M
5454073

Allows upward and downward movement information to be converted from a double button on the same wire.

Wired centralisation

Switching on, switching off or timing any type of installation

By pressing a single button, all lights and shutters in the house can be controlled via a single pilot wire connecting all modules. Unlimited number of wired modules on pilot wire, allowing also complex installations. With several pilot wires it is possible to create more complex centralisations using already installed modules. Possibility to carry out multi-level centralisations to create separate areas (e.g. living area, bedroom area). Combined receivers (radio and wired) can also be integrated in a centralised system by means of a pilot wire, while still being controlled by radio transmitters. The central control device allows controlling the modules of the 500 and 2000 ranges, even simultaneously.

PILOT WIRE CENTRALISATION

WIRED LIGHTING

CVI50
5454805

This module allows centralising the 500 range modules (MTV, MTR,...) through two separate buttons: CVR12 ON and OFF.

Model compatibility

Models	Item no.
MTR500E	5454050
MTR500M	5454060
MTM500E	5454051
MTM500M	5454061
MTV500E	5454052
MTV500M	5454062

CVR12
5454807

This module allows controlling one or more relays through the contact of a timer, twilight sensor, presence detector or anemometer. It detects the contact closing or opening on the BP input and converts it into switch-on or switch-off commands through the R12M accessory.

Models	Item no.
MTR2000E	5454350
MTR2000M	5454360

Good to know

▸ The following accessories are useful for centralisation:

- the D600V diode
- the R12M interface
- CVI50, in the case of long pilot wire runs or in the presence of electrical interferences due to other equipment (immersion pumps, photovoltaic inverters, ...)

WIRED SHUTTERS

CVI34
5454806

This module allows controlling one or more shutters (or blinds) through the contact of a timer, twilight sensor or anemometer. The module generates 3 pulses when the contact is closed and 4 pulses when it is opened. The pulses will control the modules for the MVR500E and MVR500ERP window shutters at their opening and closing, respectively.

Model compatibility

Models	Item no.
MVR500E	5454090

Good to know

▸ The following accessories are useful for centralisation:

- the D600V diode
- the R12M interface

▸ The number of shutters that can be centralised is unlimited, which makes it ideal for large installations in office buildings (universities and high schools) even in several buildings.

▸ The solution with pilot wire also allows the creation of the required number of intermediate areas: by group of rooms, by floor, by building, etc.

COMMON ACCESSORIES

R12M 5454073 - **Interface for double button (not interlocked).**
Allows you to set the up/on and down/off order on a double button (not interlocked).

D600V 5454072 - **Diode for centralisation/pilot wire.**
Allows a local command to be blocked on the pilot wire.

BR12M ON/OFF 5454817 - **Module with double button** for Simon Urmet NEA series 50X boxes for lighting and actuation control, both local and centralised.

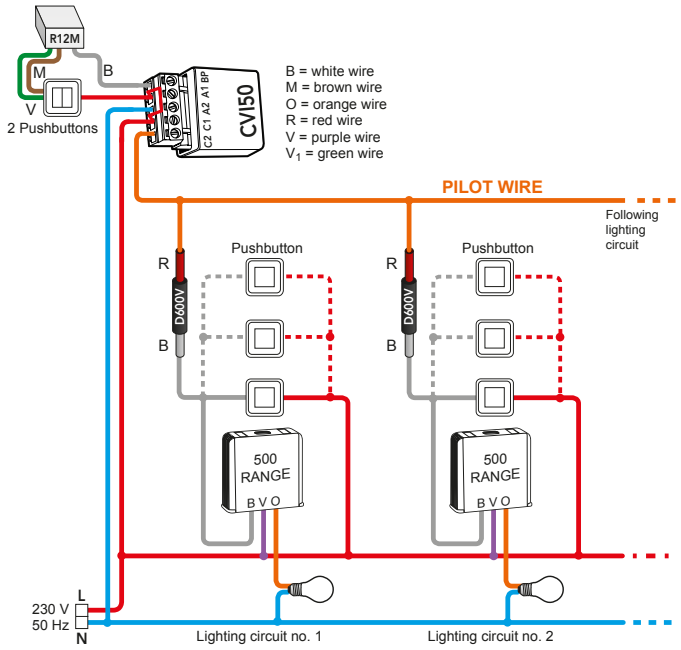
BR12M UP/DOWN 5454818 - **Module with double button** for Simon Urmet NEA series 50X boxes for wired shutter control, both local and centralised.

PILOT WIRE CENTRALISATION

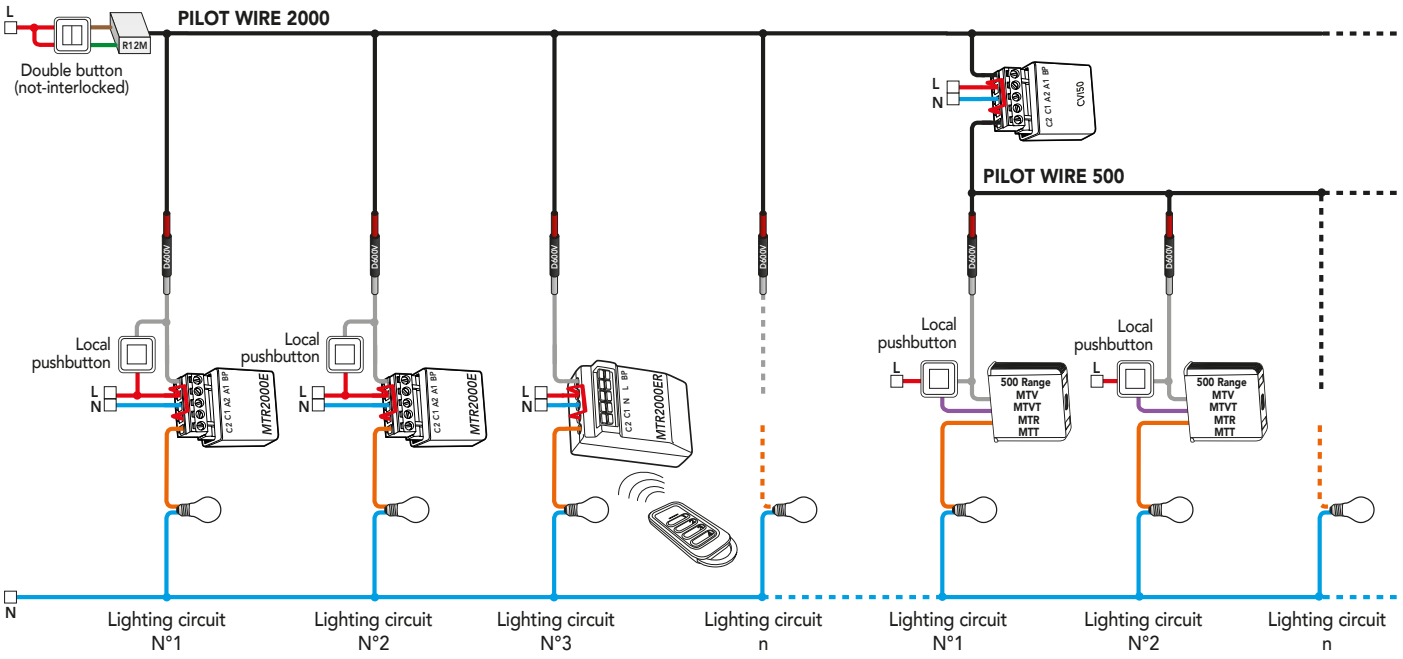
WIRED LIGHTING

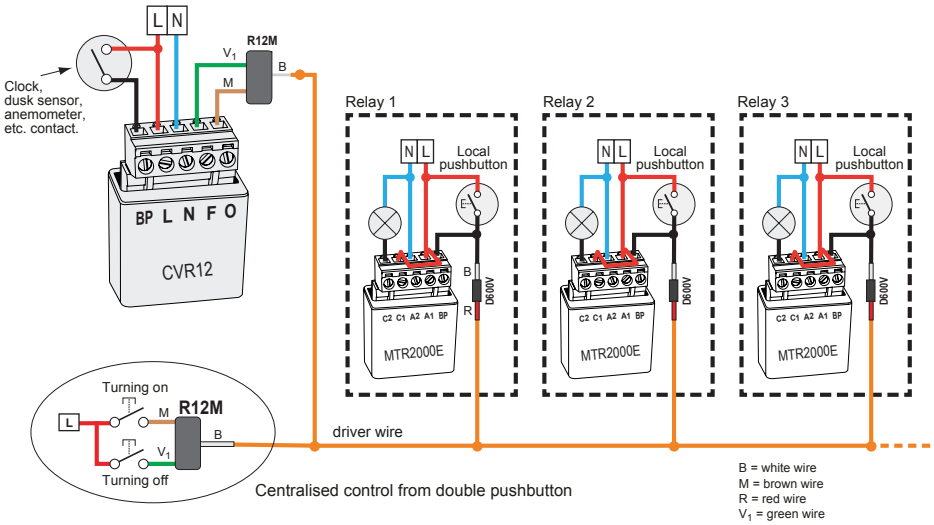
TECHNICAL FEATURES

Network voltage CVR12	230V ~ (+/-15%) - 50Hz
Network voltage CVI50	230V ~ +10% - 15% - 50Hz
Operating temperature	from - 20 °C to + 60 °C
Output contact	1A - 250VAC; max. 250VA
Relative humidity	from 0 to 99%
Module consumption	< 1W
Dimensions	48 x 32 x 20 mm
Sound level	< 60 dB at 20 cm



EXAMPLES OF USE





- **Above:** example of lighting centralisation with mixed 500 range and 2000 range modules (also radio). It is necessary to add a CVI50 for 500W modules.
- **Right:** 2000W light modules with centralised double button and CVR12 for adding a control from a bistable contact.

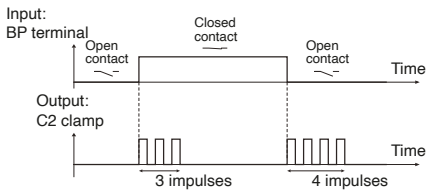
PILOT WIRE CENTRALISATION

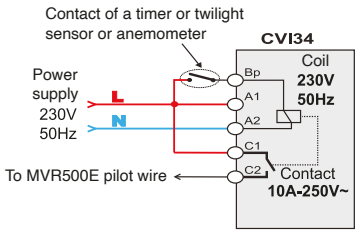
WIRED SHUTTERS

TECHNICAL FEATURES

Network voltage	230V ~ (+10% - 15%) - 50Hz
Operating temperature	from - 20 °C to + 60 °C
Output contact	1A - 250VAC; max. 250VA
Relative humidity	from 0 to 99%
Module consumption	< 1W
Dimensions	48 x 32 x 20 mm
Sound level	< 60 dB at 20 cm

Functional diagram





MODULE CONFIGURATION TABLE

Pulses configuration (X or Y)

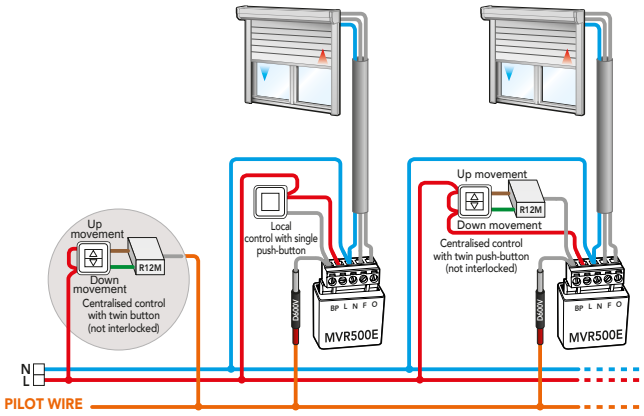
Number of touches (1)	Pulses X or Y (4)	Reply (2)
10	0	10 click
11	1	1 click
12	2	2 click
13	3	3 click
14	4	4 click
15	5	5 click
16	6	6 click
17	7	7 click
18	8	8 click
19	9	9 click

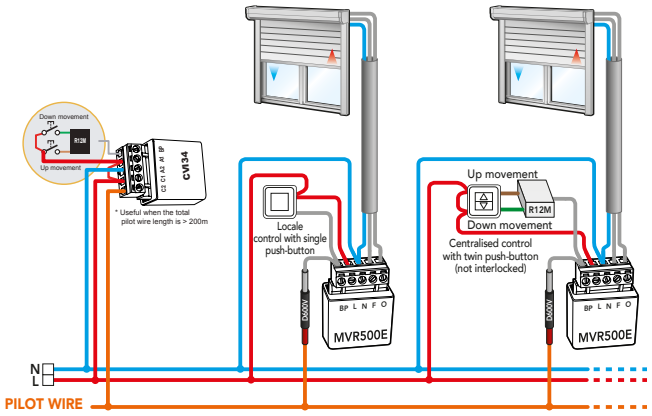
Function configuration

Number of touches (1)	Function	Reply (2)
20	Contact operation inversion	10 click
21	Configuration lock	1 click
22	Configuration unlock	3 click
23	Preparation for X configuration	5 click
24	Preparation for Y configuration	6 click
25	Full reset to default values	2 click

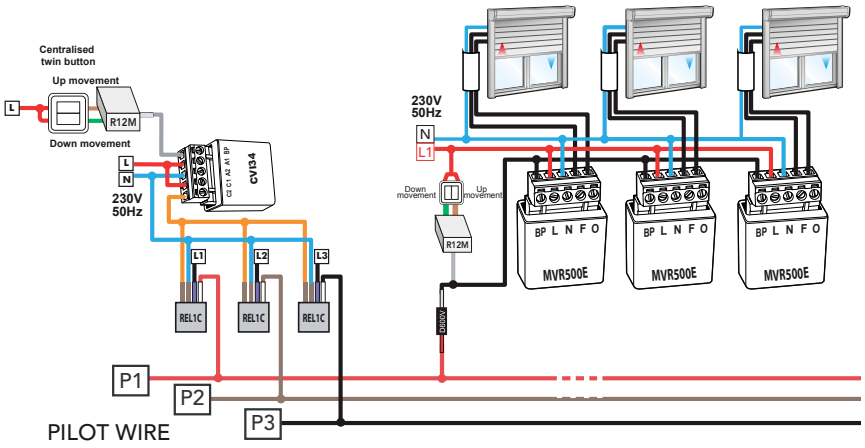
(1) successive short touches on the temporary button connected to terminal BP.
(2) confirmation response with click of relay at the end of the touches.
(4) To configure X, first apply 25 short touches. To configure Y, first apply 26 short touches.

EXAMPLES OF USE





- **Above:** two examples of roller shutter centralisations. Left, with the pilot wire with a length of less than 200 m, which does not require CVI34. Right, with pilot wire >200 m and CVI34.
- **Right:** an example of centralisation on a three-phase system.



Kits

With our ready-to-use products at your fingertips, you can develop automation and smart solutions with maximum efficiency.

These solutions highlight the **characteristics of the Yokis product line,** including:
- eliminate wiring restrictions
- provide practical solutions suited to the context
- motivate customers towards smart solutions, with the confidence that they can be extended in the future
- make sure you have all the necessary materials
- save money

WIRED KIT

5-SHUTTER WIRED KIT
5454554

5-SHUTTER WIRED KIT

Complete kit for the automation of 5 window shutters with wired control.

Kit contents:
- 5 shutter modules MVR500E
- 2 packages of 5 double button interfaces R12M
- 1 package of 5 diodes for centralisation D600V

See page 104 for wiring diagram.

RADIO KIT

KITRADIOVVP
5454521

POWER VVP RADIO KIT - DIVERTER KIT

Wireless diverter complete kit with two activation points and light control relays.

Kit contents:
- 1 x radio 2000W timer toggle relay MTR2000ERP
- 2 x 2-channel transmitter for button E2BPP

See page 27 for wiring diagram.

KITRADIOVARVVP
5454523

VARVVP POWER RADIO KIT - DIMMER KIT WITH DIVERTER

Wireless complete kit for a dimmed light controlled from two points.

Kit contents:
- 1 x timer 500W dimmer with neutral MTV500ERP
- 2 x 2-channel transmitter for buttons E2BPP
- 1 package of 5 resistive loads for CFL or LED SMARTCHR lamps

See page 37 for wiring diagram.

Radio power features:

- Radio coverage:
  - inside a house < 100 m²
  - through a load-bearing wall or slab
  - 250 m unobstructed field of view
- Frequency: 2.4 GHz
- Two-way transmission with notification LED on transmitter

Radio handbook > page 64

COMPATIBLE
with Yokis Pro
and application Yno

Requires a Yokis hub

RADIO KIT

5-SHUTTER RADIO POWER KIT
5454556

5-SHUTTER POWER RADIO KIT

Complete kit for the automation of 5 window shutters with radio control.

Kit contents:
- 5 MVR500ERP flush-mounted 500W shutter modules
- 1 keychain remote control with 8 buttons TLC8TP
- 1 package of 5 double button interfaces R12M

See page 40 for wiring diagram.

START LIGHT KIT
1054/4

START LIGHT KIT

Radio automation basic kit for light control.

Kit contents:
- 2 x radio 2000W timer toggle relay MTR2000ERP
- 1 x timer 500W dimmer with neutral MTV500ERP
- 1 x 4-channel transmitter for buttons E4BPP

SYSTEM BASE KIT
1054/6

SYSTEM BASE KIT

Radio automation kit for a building automation system, control of lights and automations.

Kit contents:
- 4 MVR500ERP radio flush-mounted 500W shutter modules
- 2 x radio 2000W timer toggle relay MTR2000ERP
- 2 x radio timer 500W dimmers with neutral MTV500ERP
- 1 keychain remote control with 8 buttons TLC8TP

RADIO POWER LOAD MONITORING KIT
1054/9

RADIO POWER LOAD MONITORING KIT

Radio automation kit for managing 2 loads.

Kit contents:
- 2 x radio 2000W timer toggle relay MTR2000ERP
- 1 central control unit MD3300ERP (item no. 5454801)

See page 52 for wiring diagram.

Radio power features:

- Radio coverage:
  - inside a house < 100 m²
  - through a load-bearing wall or slab
  - 250 m unobstructed field of view
- Frequency: 2.4 GHz
- Two-way transmission with notification LED on transmitter

Radio handbook > page 64

COMPATIBLE
with Yokis Pro
and application Yno

Requires a Yokis hub

RADIO/CONNECTED KIT

CONNECTED LIGHT KIT
1054/8

CONNECTED LIGHT KIT

Connected radio automation kit to control 3 light devices or automations.

Kit contents:
- 3 x radio 2000W timer toggle relay MTR2000ERP
- 1 x YOKIS HUB control hub

SMART LIGHT KIT
1054/5

SMART LIGHT KIT

Connected radio light and automation kit to control devices via smartphone and tablet.

Kit contents:
- 2 x radio 2000W timer toggle relay MTR2000ERP
- 2 500W timed dimmers with neutral MTV500ERP
- 1 x YOKIS HUB control hub

CONNECTED SHUTTER KIT
1054/7

CONNECTED SHUTTER KIT

Radio connected automation kit for managing up to 7 motorised roller shutters via smartphone and tablet.

Kit contents:
- 7 MVR500ERP flush-mounted 500W shutter modules
- 1 x YOKIS HUB control hub

YPRO KIT
5454497

YPRO KIT

Professional programming kit for configuration and validation of Yokis radio systems. Allows automatic creation and optimisation of Radio Bus. Allows system configuration directly from tablet with Yokey and Yokis Pro application. You can safely save and share products on the Yokis Cloud with your employees. The YPRO kit and the app Yokis Pro facilitate: Automatic detection of radio receivers (V5 and later versions); Configuration of the receivers and radio transmitters via a graphic interface using the YOKIS Pro app; testing of the system by checking the operation of individual receivers using the app; creation and automatic optimisation of the Radio Bus; creation of centralised and zone-based commands and operating scenarios; saving of system data and configurations and subsequent creation of the end-of-work report.

Radio power features:

- Radio coverage:
  - inside a house < 100 m²
  - through a load-bearing wall or slab
  - 250 m unobstructed field of view
- Frequency: 2.4 GHz
- Two-way transmission with notification LED on transmitter

Radio handbook > page 64

COMPATIBLE
with Yokis Pro
and application Yno

Requires a Yokis hub

SUMMARY TABLES

FUNCTION TABLE

	Lighting 500W / 300W				Lighting and control 2000W / 1300W			Window shutters	
									
	MTR 500	MTM 500	MTV 500	MTV 500ERP/ 300MRP	MTR 2000	MTM 2000	MTR2000 Radio/ MTR1300 EBRP	MVR 500E	MVR 500 Radio
FUNCTIONS									
Soft start/Soft stop	●	●	●	●					
Pilot wire centralisation	●	●	●		●	●	●	●	●
Radio bus centralisation				●			●		●
consumption savings based on lighting			●	●					
TIMING									
Timer from 2 seconds to 4 hours	●	●	●	●	●	●	●		
Possibility of unlimited duration	●	●	●	●	●	●	●		
12-hour long duration				●	●	●	●		
1-hour long duration	●	●							
Blinking switch-off notification					●	●	●		
Gradual switch-off notification	●	●	●	●					
VARIATION									
Lighting dimming			●	●					
Storage of last power-on values			●	●					
Default brightness values			●	●					
Minimum brightness configuration			●	●					
OTHER FUNCTIONS									
Contact pulse mode*							●		
Monostable contact mode*							●		
Blinking mode*				●			●		
Daily hourly scheduler					●			●	●
Children's room night light			●	●					
Button anti-jam function						●			
Configuration lock	●	●	●	●	●	●	●	●	●

* Only via radio control devices

SUMMARY TABLES

COMPATIBLE LOAD TABLE

	Lighting 500W / 300W		Lighting and control 2000W / 1300W				Window shutters	
								
	MTR 500	MTM 500	MTV 500	MTV 500ERP	MTV 300MRP	MTR 2000	MTM 2000	MTR 2000 Radio	MTR 1300 EBRP	MVR 500E	MVR 500 Radio
	On / Off		Variation			On / Off				Up / Down	
RESISTIVE LOADS	Min. 3W / Max. 500W		Min. 3W / Max. 500W		Min. 3W / Max. 300W	Max. 2000W			Max. 1300W		
Incandescent lighting	✓ (2)		✓			✓ 1380W Max. (version for recessed installation)			✓	-	
Lighting with 230 V halogen light bulbs	✓ (2)		✓			✓ Max. 2000W (version on DIN rail)			✓	-	
INDUCTIVE LOADS	Min. 11VA / Max. 500VA		Min. 11VA / Max. 500VA	Max. 500VA	Max. 150VA	Max. 690VA					
TBT 12V Electronic transformer	✓ (2)		✓			✓				-	
Toroidal transformer	✓ (2)		✓			✓				-	
General motor	✓ (2)		✓			✓				-	
Fluorescent light bulb with ferromagnetic ballast	✗		✗			✓				-	
Iodide	✗		✗			✓				-	
CAPACITIVE LOADS	Min. 11VA / Max. 500VA		Min. 11VA / Max. 500VA	Max. 500VA	Max. 150VA	Max. 690VA (version for recessed installation) Max. 1150VA (version on DIN rail)			Max. 690VA		
TBT 12V Electronic transformer	✓ (2)		✓			✓				-	
Standard energy-saving light bulb	✓ (1)(2) Max. 250VA		✗			✓				-	
Dimmable energy-saving light bulb	✓ (1)(2) Max. 250VA		✓ (1) Maximum 250VA		✓ (1) Maximum 150VA	✓				-	
Fluorescent lamp with electronic ballast	✓ (1)(2) Max. 250VA		✗			✓				-	
Dimmable 230V LEDs	✓ (1)(2) Max. 250VA		✓ (1) Maximum 250VA		✓ (1) Maximum 150VA	✓				-	
LED 12V with dimmable converter	✓ (1)(2) Max. 250VA		✓ (1) Maximum 250VA		✓ (1) Maximum 150VA	✓				-	
MOTORS										Max. 500VA	
3-wire 230V motor: up, down, neutral	-		-			-				✓	
4-wire 230V motor: up, down, phase and neutral	-		-			-				✓	
2-wire 230V motor: up, down	-		-			-				✗	
12/24V motor	-		-			-				✓ (3)	

(1) Include 1 to 3 SMARTCHRs connected in parallel to the load. Include 1 SMARTCHR for 3 points connected in parallel with the load.
(2) We recommend using the 2000 range, if the neutral wire is available
(3) Use the MVR500MRP(X)
Warning: do not mix inductive and capacitive loads on the same circuit

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SALES NETWORK

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