

Motion Sensors

»If you're afraid of secret visitors ...«



Motion Sensors

The new McGuard generation offers you many benefits including easy installation, convenient use and reliability in everyday use.

McGuard - the professional development for energy management, convenience and security. Movement detectors can be used to individually control light, heating, air conditioning and alarm systems, according to your specifications and requirements. Resources are spared and a pleasant and secure environment is created.

McGUARD Series



- McGuard motion sensor
- McGuard mini
- McGuard professional
- McGuard Halo
- McGuard LED floodlight

The McGuard family now consists of over 10 different models with each being customised in its own area and functionally compatible with other in the series.

Grothe reliability is combined in every unit making them easy to install and use on a daily basis.

LED floodlight
McGuard PIR BM LED light

Power consumption: 16 W
Average life expectancy 30,000 h
Colour temperature: neutral
Total luminous flux: 1200 lm



Spotlight rotates horizontally and swivels vertically

Power Consumption: 31 W
Average life expectancy 30,000 h
Colour temperature: neutral
Alternative to 300 W halogen
Total luminous flux: 2200 lm



McGuard motion sensor detector



Light intensity adjustable from 5–1000 lux
Timer adjustable from 3 sec. to 15 min.
Surveillance range adjustable from 6–12 m
Surveillance angle: 240°
Total luminous flux: 2200 lm

PIR (passive infrared) movement detector
Surveillance range 360° at an installation height of 6 m
Surface mounted

McGuard Halogen floodlight



Die-cast aluminium housing
Floodlight can be swivelled horizontally and vertically

IR movement detector

McGuard

Professional

Model	Order no.	Description
BM120ws	94530	<p>McGuard professional BM120ws</p> <ul style="list-style-type: none"> • Passive infrared movement detector • Colour: white • Ceiling, wall and corner installation (incl. universal angle) • Surveillance range 120° at 12m • Crawl under protection radius 1m • On time from 3 sec. to 12 min. • Low charge suitability • Switching capacity: Bulbs max. 1000W • Energy saving lamps max. 250W • Fluorescent lamps max. 250W • LED Lamps max. 200W • IP55 (suitable for outdoor area) • 84(B) x 78(H) x 120(D)mm • Power supply: 230 V AC; 50Hz • Sensitivity continuously adjustable
BM240ws	94531	<p>McGuard professional BM240ws</p> <ul style="list-style-type: none"> • like McGuard professional BM120ws, but surveillance range 240°
BM360ws	94532	<p>McGuard professional BM360ws</p> <ul style="list-style-type: none"> • like McGuard professional BM120ws, but surveillance range 360°
BM120sw	94533	<p>McGuard professional BM120sw</p> <ul style="list-style-type: none"> • Passive infrared movement detector • Colour: black • Ceiling, wall and corner installation (incl. universal angle) • Surveillance range 120° at 12 m • Crawl under protection radius 1m • On time from 3 sec. to 12 min. • Low charge suitability • Switching capacity: Bulbs max. 1000W; • Energy saving lamps max. 250W • Fluorescent lamps max. 250W • LED Lamps max. 200W • IP55 (suitable for outdoor area) • 84(B) x 78(H) x 120(D)mm • Power supply: 230 V AC; 50 Hz • Sensitivity continuously adjustable
BM240sw	94534	<p>McGuard professional BM240sw</p> <ul style="list-style-type: none"> • like McGuard professional BM120sw, but surveillance range 240°
BM360sw	94535	<p>McGuard professional BM360sw</p> <ul style="list-style-type: none"> • like McGuard professional BM120sw, but surveillance range 360°

Professional remote control

Model	Order no.	Description
BM240iws	94536	<p>McGuard professional BM240iws</p> <ul style="list-style-type: none"> • as McGuard professional BM240ws, with receiver for remote control McGuard IR FB (Art. 94538, to be ordered separately) • On time from 3 sec. to 15 min. • effective power: 1,1W
BM360iws	94537	<p>McGuard professional BM360iws</p> <ul style="list-style-type: none"> • as McGuard professional BM360ws, with receiver for remote control McGuard IR FB (Art. 94538, to be ordered separately) • On time from 3 sec. to 15 min. • effective power: 1,1W
IR FB	94538	<p>McGuard Infrared Remote</p> <ul style="list-style-type: none"> • for the motion sensors McGuard BM240iws and BM360iws • Range: ca. 6m • Colour: anthracite • Power supply: Battery CR 2025, 3V • 55 x 90 x 7 mm
MISTRAL BM03	43445	<p>Radio movement detector</p> <ul style="list-style-type: none"> • incl. lithium battery 3V type CR123A or 8-12V≈/- • For all MISTRAL, ECHO and CALIMA doorbells (since 2003) • Max. surveillance range: 108° at 15m opt. range • Walking test with LED display • Colour: White plastic • 69(B) x 124(H) x 54(D)mm • 500 m radio range outdoors; 868.35MH • Adjustable delay time from 3 to 60 sec • Incl. curtain lens and volumetric lens



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Motion Sensors

Model	Order No.	Description
PM-APws	94500	<p>McGuard PM-APws</p> <ul style="list-style-type: none"> • Passive Infrared Motion Sensor • Colour: White • Surveillance Area: 360° at 6m • Activation time 5 secs to 12 mins • Fluorescent lamps max. 400 W • Infinitely variable response sensitivity • HV-Halogen Lamp max. 1000 W • Degree of protection IP40 <ul style="list-style-type: none"> • 2 Outputs 1x non-isolated 1 x isolated • Switch Capacity: Lightbulb max. 2300 W • 113 () x 39 mm • Operating Temperature: - 10 to + 45°C • Power supply: 230 V AC; 50 Hz • Active Power: 1,6 W • Low Charge Suitability
PM-EINws	94501	<p>McGuard PM-EINBws</p> <ul style="list-style-type: none"> • Passive Infrared Motion Sensor • Colour: White • Incl. Control Box • Surveillance Area 360° at 6m • HV Halogen Lamp max. 1000 W • Activation time 5 secs to 12 mins • Fluorescent lamps max. 400 W • Infinitely variable response sensitivity • Degree of protection IP40 <ul style="list-style-type: none"> • 2 Outputs 1x non-isolated 1 x isolated • Switch Capacity: Lightbulb max. 2300 W • Motion Sensor: 78 (0) x 50 mm • Installation Depth: 40 mm • Control Box: 110 x 53 x 30 mm • Operating Temperature: - 10 to + 45°C • Power supply: 230 V AC; 50 Hz • Active Power: 1,3 W • Low Charge Suitability
PM-APws	94503	<p>McGuard PM-AP HR</p> <ul style="list-style-type: none"> • Passive Infrared Motion Sensor • Mounting Assembly • Colour: White • Surveillance Area 360° to 16 m diameter at assembly mount height of 10 Meter • Activation time 5 secs to 30 mins • Infinitely variable response sensitivity • Degree of protection IP44 <ul style="list-style-type: none"> • Switch Capacity: • Light Bulb max. 2000 W • HV - Halogen Lamp max. 1000 VA • NV Halogen max. 1000 VA • Fluorescent lamps 1000 VA/600 W uncompensated • LED Lamp max. 400 W • Energy saving bulbs: max. 600 VA/400W • Operating Temperature: - 0 to + 45°C • Dimensions: (0) 115 x 50 mm • Power supply: 230 V AC; 50 Hz • Low Charge Suitability
BM-DAV	94504	<p>McGuard BM-DAV</p> <ul style="list-style-type: none"> • Passive Infrared Motion Sensor • Mounting Assembly • Colour: White • Surveillance Area 360° to 7 m diameter at assembly mount height of 2,5 Meter • Activation time 5 secs to 20 mins • Infinitely variable response sensitivity • Degree of protection IP44 • Adjustable Sound Post-triggering: OFF, 45 dB to 70 dB <ul style="list-style-type: none"> • Switch Capacity: • Light Bulb max. 1000 W • Fluorescent lamps 500 VA • LED Lamp max. 250 W • Energy saving bulbs: max. 500 W • Operating Temperature: - 0 to + 45°C • Dimensions: (0) 120 x 25 mm • Power supply: 220-240 V AC; 50 Hz • Low Charge Suitability
BM-DE-PB	94506	<p>McGuard BM-DE-PB</p> <ul style="list-style-type: none"> • Passive Infrared Motion Sensor • Mounting Assembly • Colour: White • Surveillance Area 360° to 8 m diameter at assembly mount height of 2,5 Meter • Activation time 30 secs to 30 mins • Infinitely variable response sensitivity • Degree of protection IP40 <ul style="list-style-type: none"> • Switch Capacity: Light Bulb max. 21000 W • HV_Halogen Lamps max. 1000 W • Fluorescent lamps 500 VA • LED Lamp max. 500 W • Energy saving bulbs: max. 500 W • Operating Temperature: - 0 to + 45°C • Dimensions: • Diameter: 50 mm • Drill hole: 38 mm • Installation Depth: 55 mm • Power Box: 130 x 25 x 28 mm • Power supply: 220-240 V AC; 50 Hz • Low Charge Suitability



PM-APws



PM-EINBws



PM APws



BM-DAV



BM-DE-PB

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Motion Sensor



BM-DEBws



IR-11



BM-UPws



BM-HF-EBws

Model	Order No.	Description
BM-DEB	94505	<p>McGuard BM-DAV</p> <ul style="list-style-type: none"> • Passive Infrared Motion Sensor • Assembly Mount • Colour: White • Surveillance Area 360° to 20 m diameter at assembly mount height of 2,5 Meter • Activation time 1 (Light): 5 secs to 30 mins • Activation time 2 (Air-conditioning control): 10 secs to 60 mins • Infinitely variable response sensitivity • Degree of protection IP44 <ul style="list-style-type: none"> • Switch Capacity: • Charge 1 (Light) Bulbs max. 2000 W • HV-Halogen Lamps: max. 1000 W • NV-Halogen Lamps: max. 1000 VA / 600 W (magnetic) max. 1000 VA / 900 W (electric) • Fluorescent lamps 1000 VA/600 W (uncompensated) <ul style="list-style-type: none"> • 25x (1 x 18 W); 12x (2 x 18 W) • 15x (1 x 36 W); 7x (2 x 36 W) • 10x (1 x 58 W); 5x (2 x 58 W) • LED Lamp max. 500 VA 7 400 W • Energy saving bulbs: max.600VA/400W • Switch Capacity Charge 2 (Air-conditioning control): <ul style="list-style-type: none"> • Max. 5 A (cos phi01) for ≤ 250 V AC • Operating Temperature: - 0 to + 45°C • Dimensions: Diameter: 82 mm • Drill hole: 65 mm • Installation Depth: 62 mm • Power supply: 230 V 50 Hz • Low Charge Suitability
IR-11	94508	<p>McGuard IR-11</p> <ul style="list-style-type: none"> • Infrared remote control • Suitable for Motion Sensor BM-DEB • Operating Area: 10 m • Colour: Anthracite <ul style="list-style-type: none"> • Incl. Wall brackets/Mount • Power Supply: Battery CR 2032
BM-UP	94522	<p>McGuard BM-UP</p> <ul style="list-style-type: none"> • Passive Infrared Motion Sensor • Switch Socket Assembly Mount • Colour: White • Surveillance Area 180° to 8 m frontal view / 6 m lateral view at assembly mount height of 1,2 Meter • Activation time 10 secs to 30 mins • Adjustable Sound Post-triggering • Infinitely variable response sensitivity • Degree of protection IP40 <ul style="list-style-type: none"> • Switch Capacity: • Light Bulbs max. 1000 W • HV-Halogen Lamps: max. 200 VA • NV-Halogen Lamps: max. 200 W • Fluorescent lamps max: 150 VA W <ul style="list-style-type: none"> • 25x (1 x 18 W); 12x (2 x 18 W) • 15x (1 x 36 W); 7x (2 x 36 W) • 10x (1 x 58 W); 5x (2 x 58 W) • LED Lamp max. 150 W (Uncompensated) • Energy saving bulbs: max. 600 VA/400 W • Operating Temperature: - 0 to + 45°C • Dimensions: 90 x 51 31 mm • Power supply: 230 V AC ± 10%; 50 Hz / 60 Hz • Low Charge Suitability
BM-HF-EB	94520	<p>McGuard BM-HF-EB</p> <ul style="list-style-type: none"> • HF Motion Sensor • Easy Installation • Colour: White • Surveillance Area 360° to 10 m at assembly mount height of 2.5 Meter • Activation time 10 secs to 30 mins • Infinitely variable response sensitivity • Frequency; 5.8 GHz • Degree of protection IP40 <ul style="list-style-type: none"> • Switch Capacity: • Light Bulbs max. 1000 W • HV-Halogen Lamps: max. 200 VA • NV-Halogen Lamps: max. 200 W • Fluorescent lamps max: 150 VA W <ul style="list-style-type: none"> • 25x (1 x 18 W); 12x (2 x 18 W) • 15x (1 x 36 W); 7x (2 x 36 W) • 10x (1 x 58 W); 5x (2 x 58 W) • LED Lamp max. 150 W (Uncompensated) • Energy saving bulbs: max. 600 VA/400 W • Operating Temperature: - 0 to + 45°C • Dimensions: 90 x 51 31 mm • Power supply: 230 V AC ±10%; 50 Hz / 60 Hz • Low Charge Suitability

McGuard



LED RL300Aws



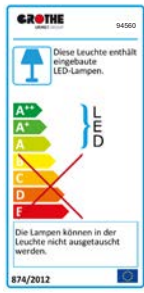


LED RL692JVws



Mc-Guard Mantis

LED-floodlight spots

Model	Order no.	Description
<p>LED RL692JH ws</p> 	94555	<p>McGuard LED floodlight</p> <ul style="list-style-type: none"> • LED Floodlight/Infrared Motion Sensor • 2 Integrated High Power LEDs • Illumination Angle: 90° • Alu Casing / V2A screws • Vertical installation • Surveillance Area: 240° at 10m <ul style="list-style-type: none"> • Colour: White • Protection: IP55 (Suitable for outdoor use) • Activation time: 3 secs to 15 mins • Infinitely variable response sensitivity • LEDs: 2200 lm • 5000° Kelvin/Daylight white • Power supply: 230 V AC, 50 Hz • Active Power; 0.8W (Standby Mode) 31 W (IR-LEDs activated) • Dimensions: 270 x 205 x 145 mm
<p>LED RL692JV ws</p> 	94559	<p>McGuard LED Spotlight/IR Motion Sensor</p> <ul style="list-style-type: none"> • LED Floodlight/Infrared Motion Sensor • 4 Integrated High Power LEDs • Illumination Angle: 90° • Alu Casing / V2A screws • Vertical installation • Surveillance Area: 240° at 10m <ul style="list-style-type: none"> • Colour: White • Protection: IP55 (Suitable for outdoor use) • Activation time: 3 secs to 15 mins • Infinitely variable response sensitivity • LEDs: 4000 lm • 5000° Kelvin/Daylight white • Power supply: 230 V AC, 50 Hz • Active Power; 0.8 W (Standby Mode) 62 W (IR-LEDs activated) • Dimensions: 340 x 205 x 150 mm
<p>McGuard Mantis</p> 	94560	<p>McGuard LED Spotlight/IR Motion Sensor</p> <ul style="list-style-type: none"> • LED Floodlight/Infrared Motion Sensor • 2 adjustable buttons incl. Integrated High Power LEDs • Illumination Angle: 90° • Synthetic Casing / V2A screws • Vertical installation • Surveillance Area: 180° at 9m <ul style="list-style-type: none"> • Colour: White • Protection: IP44 (Suitable for outdoor use) • Activation time: 10 secs to 15 mins • Infinitely variable response sensitivity • LEDs: 1200 lm • 5000° Kelvin/Daylight white • Power supply: 230 V AC, 50 Hz • Active Power; 0.8 W (Standby Mode) 16 W (IR-LEDs activated) • Dimensions: 150 x 180 x 110 mm