

## DEFENSOR MD 200° 24 IR 1C IP55 WH

### Item number

EM10025358

### GTIN

4015120025358



### Product description

- Motion detector with 200° field of detection and range with 24-m diameter (tangential)
- Factory settings ensure immediate operability
- Easy through-wiring thanks to double diaphragm line entry, including for earthing cable with a diameter of 15 mm
- Very high overvoltage protection (surge 2 kV, burst 4 kV)
- Zero-cross switching for LED switching that protects the relay

### Offers special product features like:

- One-hand plug-in base
- Simple parameterisation, remote control and documentation with ESY-Pen and ESY-App
- Zero-cross switching

### Technical data

#### GENERAL

Device category	Outdoor motion detector
Product information	Please note the Explanation of circuit breaker in the download area of the product! Intense sunlight over a longer period of time can change the color tone.
Included in delivery	Includes lens mask
User interface	IR remote control
Remote controllable	✓
Conformity	CE, EAC, RoHS, WEEE
Warranty	5 years

#### ATTACHMENT

Installation type	Surface mounting
Installation position	Wall
Type of connection	Push terminal
Connectable wire cross section	0.75 - 2.5 mm <sup>2</sup>
Number of contacts	5

#### HOUSING

Dimensions	Length 108 mm x Width 92 mm x Height/Depth 108 mm
Weight	228 g
Material	UV-resistant plastic
Protection type	IP55
Permissible ambient temperature	-25 °C...+50 °C
Relative humidity	10 - 90%, non-condensing
Impact resistance	IK07
Colour	white, similar to RAL 9003

#### ELECTRICAL VERSION

Control system	ON/OFF
Protection class	II
Nominal voltage	220 - 240 V ~ / 50 - 60 Hz
In-rush current	800 A / 200 µs
Stand-by consumption	< 0.5 W

#### SENSORS

Detection angle	200° horizontally rotatable +/- 30°, vertically tiltable by -10°
Detection range diagonally	Ø 24 m
Detection range head-on	Ø 8 m
Field of detection	up to 252 m <sup>2</sup>
Range adjustment	Mechanical, electronic
Recommended installation height	3 m
Max. mounting height	5 m
Light measurement	Daylight
Level of brightness	2 - 2000 lx

#### CHANNELS (LIGHTING / HVAC)

Number of light channels	1
Push button input lighting	1
Push button input HVAC	-
Number of parallel switchable detectors	10
Slave input	-
Constant light control	-
Channel	C1 Lighting
Function	Switching
Switching capacity	230 V/50 - 60 Hz 2300 W / 10 A (cos phi = 1),

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	1150 VA / 5 AX (cos phi = 0,5) 600 W LED
Switch contact	make contact / non-floating

Push button input	✓
Impulse mode	✓
Switch-off delay time	60 s...240 min (adjustable in steps)

### Factory settings

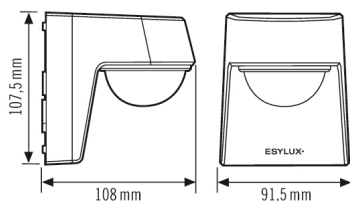
GENERAL	
Sensitivity	100 %
CHANNELS (LIGHTING / HVAC)	
Channel	C1 Lighting

Operating mode	fully automatic
Level of brightness/switching threshold	20 lx
Switch-off delay time	5 min

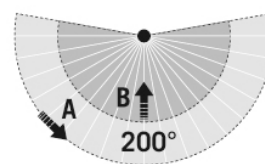
### Accessories

Product designation	Item number	Product description	GTIN
<b>Adapter</b>			
DEFENSOR SPACER WH	EM10025426	Spacer for DEFENSOR series, white	4015120025426
<b>Mounting</b>			
DEFENSOR EDGE MOUNTING WH	EM10025419	Corner bracket for DEFENSOR series, white	4015120025419
<b>Remote control</b>			
ESY-Pen	EP10425356	ESY-Pen and ESY-App, two tools for every task: (1) Parameterisation, (2) remote control, (3) light measurement, (4) project management	4015120425356
DEFENSOR REMOTE CONTROL	EM10025501	IR remote control for quickly and easily adjusting the level of brightness, switch-off delay time, detection sensitivity and other parameters.	4015120025501
DEFENSOR REMOTE CONTROL USER	EM10025495	IR remote control for end users of the DEFENSOR series: Setting the level of brightness, the switch-off delay time (5 or 15 minutes) and light ON/OFF for 12 hours	4015120025495

### Dimension drawing



### Field of detections



### Detection range

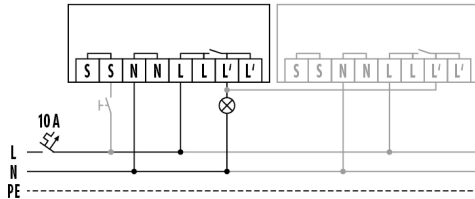
■ Diagonally (A)      Ø 24 m

■ Frontal (B)      Ø 8 m

## DEFENSOR MD 200° 24 IR 1C IP55 WH

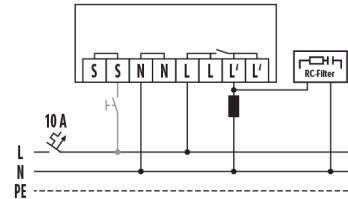
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### Circuit diagram



Standard with optional control via a closing button and parallel wiring of max. ten devices.

### Circuit diagram



When connecting inductors (e.g. relays, contactors, ballasts) the use of a filter (RC-Filter) may be necessary.

### Detailed product description

- Motion detector with 200° field of detection and range with 24-m diameter (tangential)
- Password protection against unauthorised parameterisation
- Factory settings ensure immediate operability
- Easy to configure using the ESY Pen and ESY app
- Simple installation with push terminals up to 2.5 mm<sup>2</sup>
- Easy through-wiring thanks to double diaphragm line entry, including for earthing cable with a diameter of 15 mm
- Masking of fields of detection thanks to the lens mask that can be cut to size
- Very high overvoltage protection (surge 2 kV, burst 4 kV)
- Zero-cross switching for LED switching that protects the relay
- Switch input
- Impulse feature
- Special bracket for mounting on inner and outer corners, available as accessory