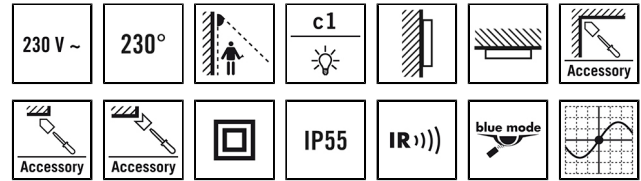


## DEFENSOR MD 230° 40 IR 1C IP55 AN

**Item number**      **GTIN**  
EM10025389      4015120025389



### Product description

- Motion detector with 230° field of detection and large range (tangential 40-m diameter)
- Extra safe: Vandalism and sabotage protection (light switches on in the event of a malfunction) and password protection against unauthorised parameterisation
- Highlights: Time-dependent operating modes and switch-off delay times based on motion direction detection
- Easy to configure using the ESY Pen and ESY app

### Offers special product features like:

- Time-dependent operation modes, intelligent vandalism and sabotage protection, motion direction-dependent switch-off delay time, creep protection
- Simple parameterisation, remote control and documentation with ESY-Pen and ESY-App

### Technical data

GENERAL	
Device category	Outdoor motion detector
Product information	Please note the Declaration of circuit breaker in the download area of the product!
User interface	IR remote control
Remote controllable	✓
Conformity	CE, EAC, RoHS, WEEE
Warranty	5 years
ATTACHMENT	
Installation type	Surface mounting
Installation position	Ceiling / wall
Type of connection	Push terminal
Connectable wire cross section	0,75 – 2,50 mm <sup>2</sup>
Number of contacts	5
HOUSING	
Dimensions	Length 138 mm x Width 92 mm x Height/Depth 107,5 mm
Weight	53 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	graphite gray, similar to RAL 7024
ELECTRICAL VERSION	
Control system	ON/OFF
Protection class	II

Nominal voltage	220 - 240 V AC / 50 - 60 Hz
In-rush current	800 A / 200 µs
Stand-by consumption	< 0.5 W

### SENSORS

Detection angle	230° (2 x 115° separately adjustable) and 360° creep protection vertically tiltable by +90°/-10°
Detection range diagonally	Ø 40 m
Detection range head-on	Ø 10 m
Detection range creep protection	Ø 4 m
Field of detection	up to 804 m <sup>2</sup>
Range adjustment	Mechanical, electronic
Recommended installation height	3 m
Max. mounting height	6 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	–
Integrated timer	✓
Channel	C1 Lighting
Function	Switching

## DEFENSOR MD 230° 40 IR 1C IP55 AN

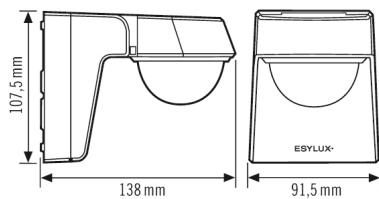
Item number	GTIN
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Switching capacity	230 V/50 - 60 Hz 2300 W / 10 A (cos phi = 1), 1150 VA / 5 AX (cos phi = 0,5) 600 W LED	Push button input	✓
Switch contact	make contact / non-floating	Impulse feature	✓
		Switch-off delay time	60 s...240 min (adjustable in steps)

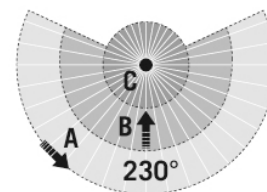
### Accessories

Product designation	GTIN
Cover	
DEFENSOR MD 230°/280° LENS MASK	4015120025488
Mounting	
DEFENSOR SPACER AN	4015120025433
DEFENSOR EDGE MOUNTING AN	4015120025457
Remote control	
ESY-Pen	4015120425356
DEFENSOR REMOTE CONTROL USER	4015120025495

### Scale drawing



### Field of detections



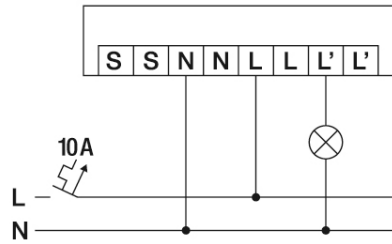
### Detection range

Diagonally (A)	Ø 40 m
Frontal (B)	Ø 10 m
creep protection (C)	Ø 4 m

## DEFENSOR MD 230° 40 IR 1C IP55 AN

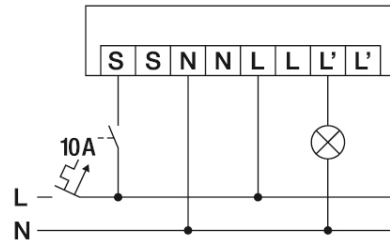
Item number      GTIN  
 EM10025389      4015120025389

### Circuit diagram



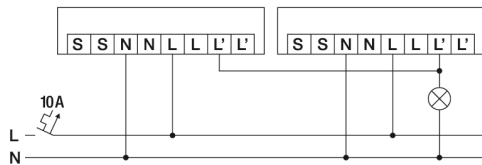
Standard operation

### Circuit diagram



Standard operation with additional control by means of a button

### Circuit diagram



A maximum of 10 devices can be connected in parallel.