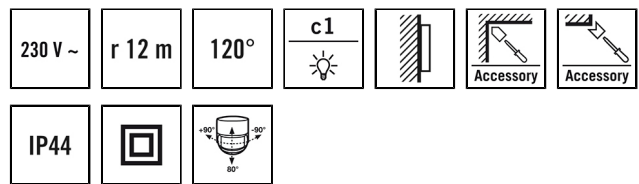


## MD 120 brown

**Item number**      **GTIN**  
 EM10025228      4015120025228



### Product description

- Motion detector with 120° field of detection for convenient light switching
- Sensing and range adjustment due to revolving and tilting spherical head technology
- Special bracket for mounting on inner and outer corners, available as accessory

### Technical data

GENERAL	
Device category	Outdoor motion detector
User interface	Adjusting controller
Remote controllable	–
Conformity	CE, RoHS, WEEE
Warranty	3-year
ATTACHMENT	
Installation type	Surface mounting
Installation position	Wall
Type of connection	Push terminal
Connectable wire cross section	1,50 - 2,50 mm <sup>2</sup>
HOUSING	
Dimensions	Length 102 mm x Width 74 mm x Height/Depth 81 mm
Weight	196 g
Material	UV-stabilised polycarbonate
Protection type	IP44
Permissible ambient temperature	-25 °C...+55 °C
Relative humidity	5 - 95 %, non-condensing
Colour	brown, similar to RAL 8017
ELECTRICAL VERSION	
Protection class	II
Nominal voltage	230 V / 50 Hz
Power consumption	0,5 W

In-rush current	30 A / 20 ms
SENSORS	
Detection angle	120° sensor horizontally rotatable +/- 90°
Detection range diagonally	12 m
Detection range head-on	5 m
Field of detection	up to 151 m <sup>2</sup>
Range adjustment	mechanically by tilting the motion detector head max 80°
Recommended installation height	2,5 m
Max. mounting height	2,5 m
Light measurement	mixed light
CONTROL	
Number of light channels	1
Push button input HVAC	–
Slave input	–
Konstantlichtregelung	–
Channel 1	Lighting
Interface	Switching
Contact	make contact / non-floating
Switching capacity channel 1	230 V/50 Hz 1000 W/4,5 A (cos phi = 1) 500 VA/2,25 A (cos phi = 0,5) 250 W LED
Push button input channel 1	–
Switch-off delay channel 1	4 s...10 min
Master/slave function	–
Manual override	No

# DATA SHEET

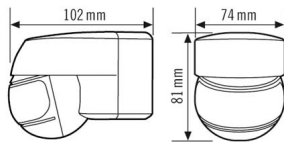
## MD 120 brown

Item number	GTIN
EM10025228	4015120025228

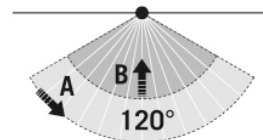
### Accessories

Product designation	Item number	GTIN
FILTER 230 V	EP10426988	4015120426988
MD EDGE MOUNTING BN	EM10025525	4015120025525

### Scale drawing



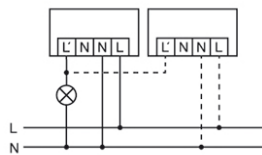
### Field of detections



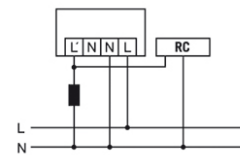
### Detection range

Diagonally (A)	12 m
Frontal (B)	5 m

### Circuit diagram



### Circuit diagram



Standard operation parallel connection of max. 8 devices

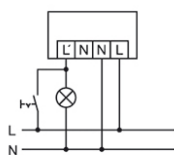
An RC filter may be required when connecting inductors (e.g. relays, contactors, ballasts).

# DATA SHEET

## MD 120 brown

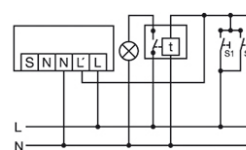
**Item number**      **GTIN**  
EM10025228      4015120025228

### Circuit diagram



Standard operation with additional continuous lighting function through external switch.

### Circuit diagram



Parallel connection with automatic stairwell light.