Doepke

DATA SHEET

DBM 1

Article number 09501134

Function

"Detectors" are devices used to report the presence of motion or smoke accumulation. If these triggers are detected, the devices generate a system-compatible signal for further processing. The DBM 1 is a component of the Dupline installation system and is designed to detect, via the Dupline bus, the movement of people inside rooms. It is therefore suitable e.g. for lighting control purposes. The integrated, passive infrared sensor detects any temperature changes in the monitored area between 0.5 and 5 pulses/s. It has a range of up to 10 m and a scanning angle of 90°. If the DBM 1 senses a movement, it activates the configured Dupline channel. Because the DBM 1 is supplied by the Dupline signal it does not require an external power supply.

Features

passive infrared indicators for indoor use, scan angle: 90° / range approx. 12 m, switching signal configurable as NC or NO contact, motion status indicator (LED) can be switched off, Power supply from the Dupline bus

Mounting

wall mounting

Applications

The motion detector is suitable for the presence linking of lighting in indoor spaces.

Technical Data

Technical Data	DBM 1
Series	DBM 1
Switch-on delay range	60 s
Sensor measurement procedure	thermal (infrared)
Sensor measurand	Motion
min. Sampling frequency	0.5 1/s
max. Sampling frequency	5 1/s
design	Dupline
max. IF Bus system output channel	2
max. IF Bus system input channel	1
current consumption bus	2600 µA (max. 3500 µA)
Sensor measurement procedure	thermal (infrared)
Initialisation time	60 s
min. Sampling frequency	0.5 1/s
max. Sampling frequency	5 1/s
max. Scanning range	10 m
Number of scanning zones	24
Number of scanning areas	3
Scanning angle	90°
best mounting height	2.2 m
Operating voltage source	Bus signal
	Display Motion detection display

Technical Data	DBM 1
Type	LED (red)
	Screw-type terminal top (Bus connection)
Clamping area	0.4 mm² … 1.5 mm²
General data description	General data
Ambient temperature	-10 °C … 50 °C
Permissible humidity	20 % … 80 %
Housing type	wall-mounted housing
Mounting type	Wall mounting
Housing material	ABS resin
Protection class	IP40
Width	104 mm
Height	55 mm
Depth	57 mm