

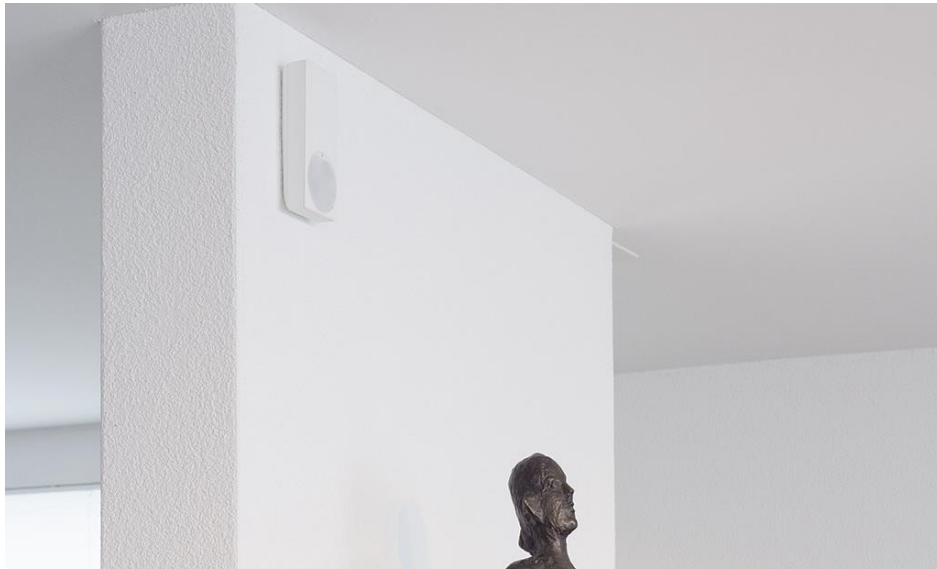


MAGIC E-Bus PIR Motion Detectors PDM-E-I12



MAGIC motion detector PDM-E-I12 is impressive with its modern and elegant design. Its style is suitable for all installation situations. Together with the enhanced Visatec algorithm, its patented MAGIC mirror provides reliable detection of intruders and the highest false alarm immunity. Flexible installations can be carried out quickly and error-free due to features like Auto Walktest and direct connection to the E-Bus.

- E-Bus detector with additional inputs, fully integrated
- Unmatched detection performance – thanks to MAGIC mirror technology
- High immunity against false alarms
- 12 m volumetric optics with undercrawl protection – 20 m gapless curtain (option)
- Flexible, fast and error-free installation
- Modern and elegant design
- Low current consumption



Functions

■ Reliable detection

Thanks to the new and innovative MAGIC mirror (patented), intruders are detected effectively and reliably. The new double-mirror principle provides homogeneous coverage and sensitivity to all areas within the detection field. The proven and further enhanced Visatec algorithm supports the new optics.

Therefore, the MAGIC PIR detector PDM-E-I12 is qualified for usage both in harsh environment and anywhere that the high false alarm immunity is a must.

■ High security level

MAGIC PIR detector PDM-E-I12 complies with the high security standards, such as VdS Class B , EN 50131-2-2 Grade 2.

■ High hurdles for intruders

A detector cannot be identified by its housing. Potential intruders – when confronted with MAGIC motion detectors – must assume the highest security level (e.g. EN 50131-2-2 Grade 2) irrespective of the actual detector type.

■ E-Bus Connection

MAGIC motion detector PDM-E-I12 with integrated E-Bus can be directly connected either to a Sintony panel or via an E-Bus gateway to a SPC panel.

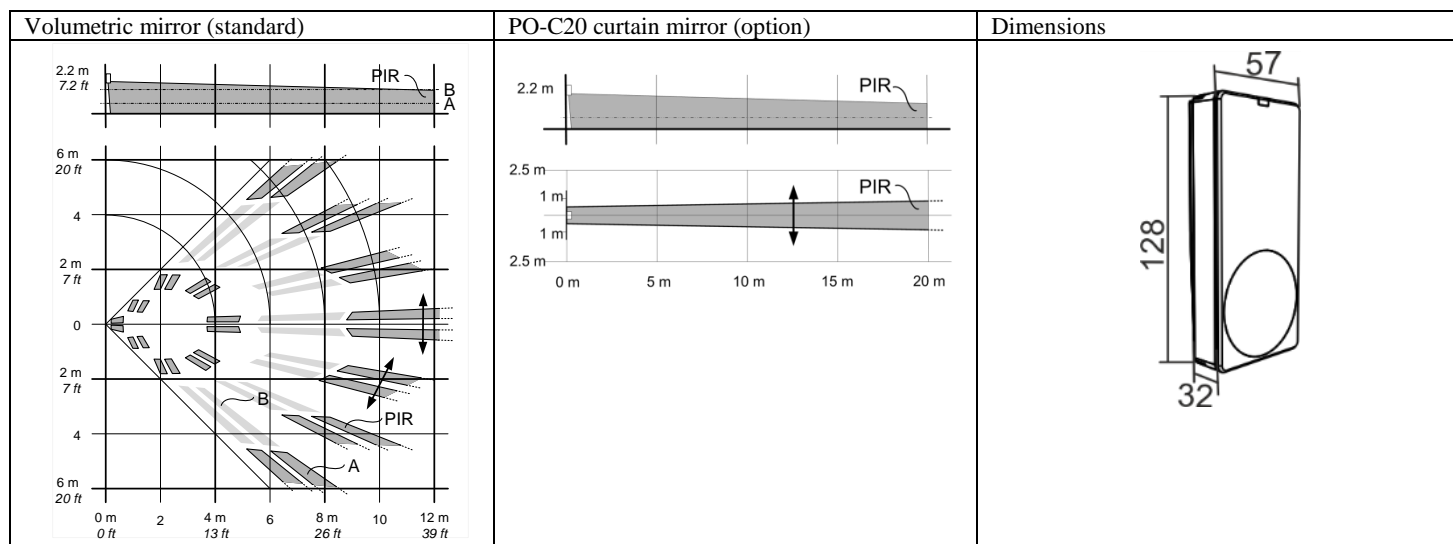
For this, no end-of-line resistors are necessary.

Two additional inputs and one additional output enable magnetic contacts and glass break detectors to be directly connected to the MAGIC motion detector. Therefore, an additional expander module becomes redundant.

■ Low current consumption

State of the art energy concepts and electronic components provide low current consumption of the detectors. Compared to the use of a MAGIC motion detector with a (separate) expander module, the current consumption of the PDM-E-I12 is clearly reduced.

Not only energy costs are decreased across the years of utilisation but also more cost efficient uninterrupted power supply units (like batteries) can be used in the intrusion panels.



■ **Technical data**

Power supply	through E-Bus (9 ... 16 VDC)
Current consumption (at 12 VDC)	
Idle state	3.7 mA
with 2 x 4.7k EOL	+ 2 mA
Control inputs	programmable
Output OUT1	Open collector, R = 35 Ω, I _{max} = 120 mA
Walking speeds	
– PDM-E-I12	
Volume mirror / curtain mirror PO-C20	0,2 ... 3,0 m/s / 0,2 ... 3,0 m/s
Algorithm	VISATEC
Resistors (default)	
Input 1	1R/2R 4.7 kΩ, NO, NC and glass break detector
Input 2	1R/2R 4.7 kΩ, NO, NC
Input 3	2R 4.7 kΩ, internal detector alarm and tamper
Input 4	Not used
Output 1	For internal detector set/unset or external detector (e.g. glass break detector) free programmable
Output 2	For internal detector walktest
Environmental conditions	
– Operating temperature	- 10°C ... + 55°C
– Storage temperature	- 20°C ... + 60°C
– Air humidity (EN 60721)	< 95% RH, non-condensing
– EMC-resistance up to 2,7 GHz	10 V/m
– Housing protection category (EN 60529, EN 50102)	IP41 / IK02
Approvals	
– PDM-E-I12	
VdS 2312	Class B
EN	EN50131-2-2 grade 2

■ Ordering Informations

Type	Order No.	Description	Weight*
PDM-E-I12	S54530-F115-A100	12m E-Bus PIR Detector	0.1 kg
PO-C20	S54539-F122-A100	Curtain Mirror for PDM-I12, Set (4 pcs)	0.1 kg
PZ-MBG2	S54539-F124-A100	Mounting Bracket G2 for PDM	0.1 kg
PZ-CA	S54539-F125-A100	1/4" Adapter for Camera Bracket, Set (4 pcs)	0.08 kg
PO-CL	S54539-F126-A100	Pet Clip for PDM-I12, Set (10 pcs)	0.05 kg
PO-FM	S54530-H101-A100	Flush Mount Housing Base PDM-I12	0.04 kg
PO-MHB12	S54530-H102-A100	Metalized Housing Base PDM-I12	0.03 kg

* units incl. packing material, accessories which is part of scope of supply and technical documentation

For additional products and accessories, please go to www.siemens.com/intrusion > Catalogue Downloads.

The information in this document contains general descriptions of technical options available, which do not always have to be present in individual cases. The required features should therefore be specified in each individual case at the time of closing the contract.

© Siemens AB • Document no. I-2000015-1 • Edition: **04.02.2015** • Document version: 1.0