

Product Data Sheet

6540

12m/40ft volumetric PIR motion sensor

DesignLine Series

The DesignLine series is a brand new range of volumetric motion sensor using a PIR element and digital signal processing. This series is suitable for residential and light commercial environments. The DesignLine series builds customer value by meeting customers' security needs while respecting budget constraints. This range is quick to install and comes with a stylish housing. It provides detection for a variety of ranges, including up to 360 degrees of coverage for ceiling mount applications. It even has a variant with smart pet immunity up to 35kg, making this series all the more attractive. In launching our new range of Fresnel PIR motion sensors, we have listened and are responding to end users' needs. These motion sensors deliver easy solutions for installers - being equipped with a standard EOL resistor and providing flexibility in installing height and are the ideal security solution for residential and light commercial applications.

Accessories

A wall and ceiling mount bracket is available providing ease-of-use to the installer and flexibility to aim the detector where required. The Fresnel lens of the 6540 can be taken out and replaced by a curtain lens or a long-range lens.



Standard Features

- Passive Infra Red volumetric motion sensor
- Digital signal processing
- Unique stylish design
- Quick to install
- Built-in EOL resistor of 3k3 Ohm
- UL/CUL and EN50131-2-2 certified
- Holds several European security approvals

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Specifications

Detection range	12 m
Optics	Fresnel lens
Mounting height	1.5 to 3.1 m / 4.1 to 10 ft.
Power supply	9 to 15 VDC
Current consumption (nom.)	8.7 mA
Alarm relay	<24 VDC, 50mA, NC
Tamper relay	<24 VDC, 50mA, NC
Target speed range	30cm/s to 3m/s / 1ft/s to 10ft/s
Dimensions (W x H x D)	123 x 66 x 42 mm
Weight	94g
Ambient conditions	-10 to +55°C / 14°F to 130°F
Relative humidity	max. 95%
EN50131-2-2	Grade 2
UL/CUL variant	available

Ordering Information

Part No.	Description
6540	12m/40ft volumetric PIR motion sensor
6545-BP	Swivel-mount bracket for 65XX series (10-pack)
6545-LR	Long-range lens for 6540 (10-pack), 26m/86ft
6545-CL	Curtain lens for 6540 (10-pack), 12m/40ft, 6°