

DD100PI

10m volumetric PIR/ μ W motion sensor with pet immune up to 20 kg

Twin Opposed Antenna

The DD 100 Series of detectors makes no compromises because it is a dual technology detector. It utilizes all the good features of our PIR's, including sealed Gliding Focus Mirrors and the latest 4D signal processing. Add to the high quality microwave, where the latest design using Twin Opposed Antennae has been used to ensure a better signal to noise ratio and better microwave direction. The end results are products with sharp detection and excellent false alarm immunity.

Distance of Motion (DoM) Processing

This proprietary microwave processing converts the analogue signal into a digital one where the custom ASIC can effectively measure the distance travelled by the intruder, irrespective of the intruders speed or distance from the detector. This gives a significantly more uniform microwave signal over the entire protected area.

Volumetric Curtains of Detection

Benefiting from the success of the EV series PIR's, the DD 100 also features solid curtains of detection. Full undercrawl protection gives maximum security while the special characteristics of a "curtain" ensures not only better intruder detection but also better PIR stability from the environment.

"4D" Signal processing

4D signal processing is the latest generation of PIR processing taken from the EV 400 Plus. 4D allows the PIR channel to intelligently analyse a signal pattern and distinguish between real human movement and false alarm hazards. The PIR channel in it's own right is resistant to false alarms by analysing the size, shape and speed of successive signals.

True Range Control

The DD 100 series is able to adjust both the PIR and Microwave channels. Due to the strength of the Gliding Focus Curtain Mirror, it is possible to reduce how hard the detector is working in smaller rooms, in both the PIR and Microwave channels, making the detector even more stable, without compromising it's excellent detection.

Accessory

A wall and ceiling mount bracket is available providing flexibility to install and aim the detector where required.



Einzelheiten

- PIR verified by microwave module
- "Step & Gliding Focus Multi Curtain" mirror optic
- Plug-in electronics
- Sealed optics
- ASIC with "4D" processing
- Distance of Motion microwave signal processing
- Selectable range with full undercrawl detection
- No adjustment required for different mounting heights
- Tolerates wall angle deviation
- Several European security approvals

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Technische Spezifikationen

Allgemein

Technologie	Dual
Anwendungsart	Wandmontage
Anti-Masking	Nein
Haustiertolerant	Ja
Kamera	Nein
Abreißkontakt Kit	ST400 (optional)

Erkennung

Max. Erfassungsbereich	10 m
Erkennungsbereich Auswahl	6 m or 10 m
Anzahl der Vorhänge	5
Abdeckung (Sichtfeld)	86°
Mikrowellenfrequenz (nom.)	2410 MHz
Max. Ausgang für Mikrowelle (bei 1m)	0.005 μ W/cm ²
Unterkriechschutz	Ja
Zielgeschwindigkeitsber eich	0.2 to 3.0 m/s
Alarmspeicher	Nein
Alarmzeit	3 sek
Peak-to-Peak-Störstrom- Immunität	2V (at 12 VDC)

Kabelgebunden / drahtlos

Kabelgebunden / drahtlos	Verdrahtet
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Eingänge / Ausgänge

Alarmrelais- Charakteristik	NC, 80 mA 30 VDC
Sabotage-Relais- Charakteristik	NC, 100 mA 30 VDC
Fernsteuerungslinien	Gehtest

Elektrische Angaben

Betriebsspannung	9 to 15 VDC
Netzteil	12 VDC
Aktueller Verbrauch	11.5 mA (nom.)

Physikalisch

Abmessungen	61 x 123 x 58 mm
Nettogewicht	150 g
Farbe	Weiß
Montagehöhe	1,8 bis 3 m

Umweltbedingungen

Betriebstemperatur	-10° to +50° C
Relative Luftfeuchtigkeit	95% max. non-condensing
Umgebung	Drinne
IP Klassifizierung	IP30

Regulativ

EN50131 Klasse	Klasse 2
Zertifizierung	VdS



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