

EV 100/105

High performance PIR - Designed for Residential / Short Range Commercial Applications

- EV 100: 10 m coverage - 5 curtains
- EV 100PI: 10 m coverage - 5 curtains; pet immune up to 20 kg
- EV 105: 12 m coverage - 7 curtains
- Plug-in electronics simplifies installation
- Precision "Gliding Focus Curtain" mirrors
- Sealed optics
- Uses the latest generation "4D" signal processing
- Standard 4D/Bi-curtain processing
- Low current draw



→ EV 100 Series

The EV 100 Series has been designed specifically for Residential/short range Commercial applications. Details such as the plug-in electronics allow rapid wiring while the the Gliding Focus Curtains ensure that you have simple commissioning with perfect detection every time, without the need for time consuming alignment.

The EV 100 series enables rapid installation, provides sharp detection every time while guaranteeing excellent false alarm immunity - with the highest quality.

→ Volumetric Curtains of Detection

Benefitting from the success of the EV series PIR's, the EV 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 processing to intelligently analyse a signal pattern and distinguish between real human movement and false alarm hazards. The PIR processing is resistant to false alarms by analysing the size, shape and speed of successive signals.

→ True Range Control

The EV 100 series is able to adjust the PIR range. Due to the strength of the Gliding Focus Curtain Mirror, it is possible to reduce how hard the detector is working in smaller rooms, 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.

→ Pet immune EV 100PI

The EV 100PI has been specifically designed for applications where the user wishes to allow pets to move around the protected area, while the system is armed.

By combining custom designed mirror optics with an exclusive ASIC, the EV 100PI provides peace of mind that property is perfectly protected without the worry of false alarms through any household pets.

The EV 100PI is designed to be immune for pets up to 20 kg, however larger pets can be allowed for through alternative methods of mounting the detector (see application notes).

The EV 100 Series follows on the outstanding success of the current EV series PIR. Reduced in size and range - but not in performance - for Residential and short range Commercial applications.

Designed not only with good looks in mind, but also for excellent performance and ease of installation, the EV 100 series provides plug-in electronics for quicker trouble free installation.

The EV 100 also shares a family image with its Dual Technology sister - the DD 100.

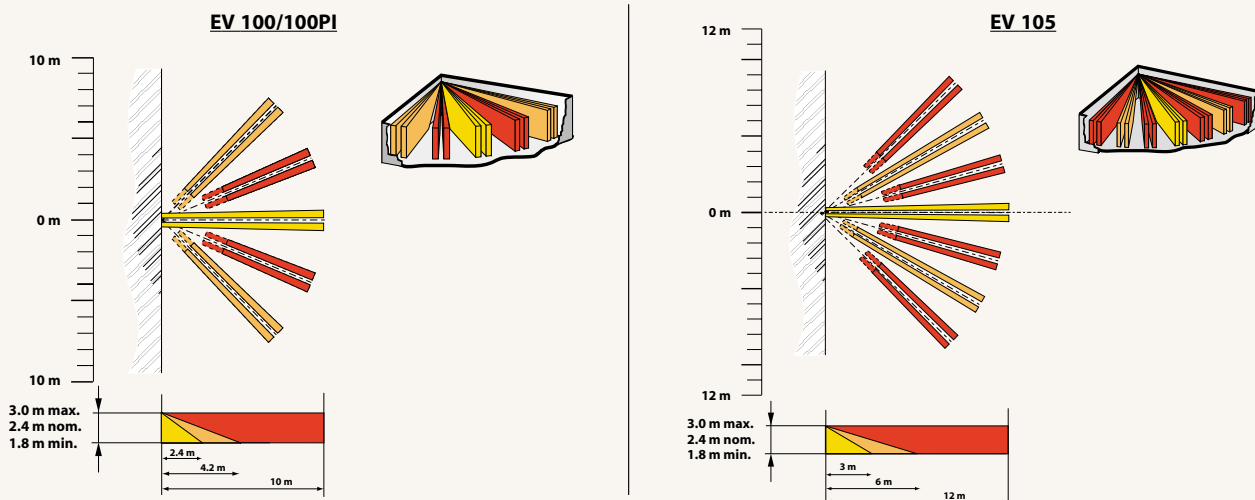


EV 100/105

→ Technical Data

Supply voltage	8 - 15 V dc; Max. ripple 2 V peak to peak at 12 V dc
Current consumption	
Normal operation	5 mA
In alarm, LED on	10 mA
Outputs	
Alarm	NC contact, rated 100 mA at 28 V dc
Tamper	NC contact, rated 100 mA at 28 V dc
Mounting height	1.8 to 3.0 meters
Coverage	
EV 100	5 curtains of 10 meters range
EV 100PI	5 curtains of 10 meters range. Pet immune version (up to 20 kg)
EV 105	7 curtains of 12 meters range
Field of view	86°
Environmental limits	-10° to +55° C; Max. 90 % humidity
IP-rating	IP 301
Dimensions	99 x 52 x 47 mm

→ Detection patterns



→ How to order

EV 100	PIR detector with 5 curtains of 10 m, NC relay
EV 100PI	As per EV 100, but pet immune up to 20 kg
EV 105	PIR detector with 7 curtains of 12 m, NC relay

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