

# RF-EV1012PI-K4

**Rivelatore volumetrico PIR Wireless, Pet Immune, portata 12m, 433Mhz, 80plus LoNa**

## One way transmitter

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The sensor has a chip tuned wireless transmitter that communicates with a 80plus receiver as, for example, used in the ZeroWire control panel.

The learn-in process of the sensor is identical to the process used with legacy sensors.

Each sensor reports a unique ID code with each transmission.

The sensor also reports the battery and transmitter condition (supervisory signal) to the panel every 18 minutes.

## Mirror power

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The patented optical mirror technology gives the advantage of gliding focus, which creates a volumetric detection curtain from floor level up to installation height resulting in a sensor that never loses track of the object.

The PI optical mirror is specially designed to ignore pets moving around on the floor without compromising detection performance for humans

In these series we are using a dual element digital pyro generating two volumetric curtains for each of the nine curtain sets.

## 5D signal processing

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The unique 5D signal processing technology will look for a match in shape, size, speed, duration and environment to decide on an alarm condition.

The result is a unique combination of high detection sensitivity with high false alarm immunity.

## Ease and flexibility of installation

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- 1.Easy opening and closing system.
- 2.Easy access when changing the batteries.
- 3.Easy access to the mirror optics.
- 4.Tolerates wall angle deviation and different mounting heights.
- 5.Limited loss of coverage when objects are placed in the field of the PIR vision.
6. One mounting plate for all sensors in the series.

## Other members of the family

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This family includes motion sensors with variants in detection ranges and a Pet Immune variant.

The consistent family aesthetics between the various models ensure a professional approach when installing different sensor types.



## Details

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- Proven mirror optics inside to get a dense coverage pattern
- Selectable coverage pattern using mirror masks
- Full under crawl detection
- "5D" signal processing for false alarm immunity
- Auto focus with constant range sensitivity
- No adjustment required for different mounting heights
- Tolerates wall angle deviation
- End-user friendly product design for exchanging batteries
- 5-years battery life with 1 battery
- PetImmune functionality
- Holding several security approvals

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## Technische specificaties

### General

Tecnologia	PIR
Tipo di applicazione	Wall mount
Antimascheramento	No
Immune ad animali	Si
Telecamera	No
Tempo di avvio del rivelatore	1 min

### Detection

Campo massimo di rilevamento	12 m
Selezione dell'intervallo di rilevamento	6 m or 12 m
Numero di tende	9
Copertura (campo visivo)	86°
Velocità obiettivo	0.3 m/s to 3.0 m/s

### Wired/wireless

Cablaggio-wireless	Senza fili
Frequenza Wireless	433 MHz LoNa
Portata in campo libero	300 m

### Electrical

Consumo attuale	22 $\mu$ A (avg.), 50 mA (max.)
Batterie	1 x CR123 (3.0 V, 1300 mAh lithium)
Durata della batteria	5 anni

### Physical

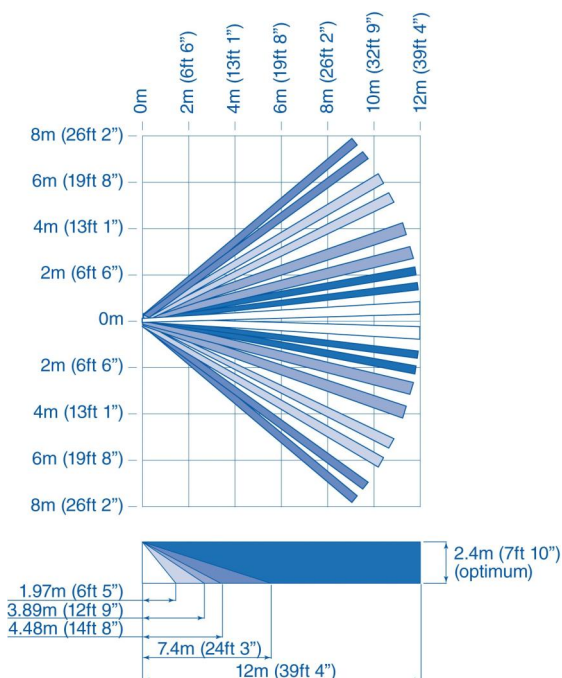
Dimensioni fisiche	130 x 69 x 53 mm (L x W x H)
Peso netto	146 g (incl. 1 battery)
Altezza di montaggio	2.3 to 3 m

### Environmental

Temperatura operativa	-10° to +55° C
Umidità relativa	95% max. noncondensing
Ambiente	Interno
IP rating	IP30 / IK02

### Regulatory

Grado EN50131	Grade 2
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