RF-EV1012PI-K4

Wireless PIR 12m PI 433-80plus

One way transmitter

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

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

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

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

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.



Détails

- 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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Spécifications techniques

Général

Technologie	PIR
Type d'application	Fixation murale
Anti-masquage	Non
Insensible aux animaux	Oui
Caméra	Non
Temps mise en route du détecteur	1 min

Détection

Plage de détection maximale	12 m
Sélection de la plage de détection	6 m or 12 m
Nbre de rideaux	9
Couverture (champ de vision)	86°
Plage de vitesse cible	0.3 m/s to 3.0 m/s

Filaire / sans fil

Filaire / sans fil	Sans fil
Fréquence radio	433 MHz LoNa
Gamme en champs libre	300 m

Électrique

Consommation de courant	22 µA (avg.), 50 mA (max.)
Batteries	1 x CR123 (3.0 V, 1300 mAh lithium)
Durée de vie de la batterie	5 years

Caractéristiques physiques

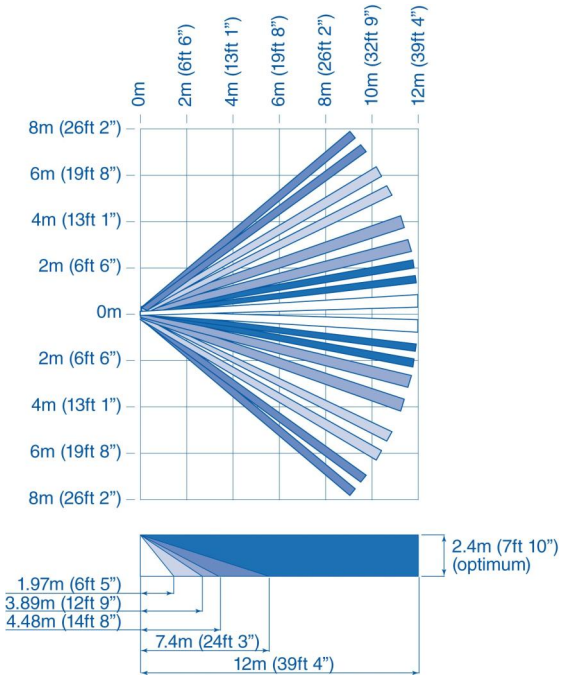
Dimensions physiques	130 x 69 x 53 mm (L x W x H)
Poids net	146 g (incl. 1 battery)
Hauteur de montage	2.3 to 3 m

Environnement

Température de fonctionnement	-10° to +55° C
Humidité relative	95% max. noncondensing
Environnement	Intérieur
Indice de protection	IP30 / IK02

Régulateur

EN50131 Grade	Grade 2



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