

## RF-EV1016-K4

Wireless PIR 16m 433-80plus

### 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. 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.



### Standard Features

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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
- Holding several security approvals

# RF-EV1016-K4

## Wireless PIR 16m 433-80plus

### Specifications

General	
Technology	PIR
Anti masking	No
Pet immune	No
Camera	No
Detection	
Max. detection range	16 m
Detection range selection	10 m or 16 m
Coverage (field of view)	86°
Target speed range	0.3 to 3.0 m/s
Wired/wireless	
Wired-wireless	Wireless
Environmental	
Environment	Indoor
Detection technology	
	PIR (9 curtains, 86° viewing angle)
Detection modes	
	standard 3D or bi-curtain
Target speed range	
	0.3 m/s to 3 m/s
Detectable range	
	16 or 10 m
Mounting height	
	2.3 m to 3.0 m
Operating frequency	
	433.65 MHz
Protocol	
	433-80plus
Power output	
	< 10 dBm
RF range (open air / obstructed), typical	
	300 m / 40 m
Detector start-up time	
	1 min
Supervisory interval	
	18 min
Lockout timer	
	3 min
Battery type	
	1 x CR123 (3.0 V, 1300 mAh lithium)
Battery life (typical with 1 battery)	
	5 years
Current consumption	
	22 µA (avg.), 50 mA (max.)
Operating temperature	
	-10° to +55° C
Relative humidity	
	95% max. noncondensing
IP/IK rating	
	IP 30 IK02
Dimensions (LxWxH)	
	130 x 69 x 53 mm
Weight (incl. 1 battery)	
	146 g

### Ordering Information

Part No.	Description
RF-EV1016-K4	Wireless PIR 16m 433-80plus
RF-EV1012-K4	Wireless PIR 12m 433-80plus
RF-EV1012PI-K4	Wireless PIR 12m PI 433-80plus

