

# RF-EV1016-K4

**Rivelatore volumetrico PIR Wireless, portata 16m, 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.

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
- Holding several security approvals

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## Technical specifications

### Allgemein

|                               |            |
|-------------------------------|------------|
| Technology                    | PIR        |
| Tipo di applicazione          | Wall mount |
| Antimascheramento             | No         |
| Immune ad animali             | No         |
| Camera                        | No         |
| Tempo di avvio del rivelatore | 1 min      |

### Erkennung

|                                          |                    |
|------------------------------------------|--------------------|
| Campo massimo di rilevamento             | 16 m               |
| Selezione dell'intervallo di rilevamento | 10 m or 16 m       |
| Numero di tende                          | 9                  |
| Copertura (campo visivo)                 | 86°                |
| Velocità obiettivo                       | 0.3 m/s to 3.0 m/s |

### Verdrahtet/Drahtlos

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

### Elektrische Angaben

|                       |                                     |
|-----------------------|-------------------------------------|
| Consumo attuale       | 22 µA (avg.), 50 mA (max.)          |
| Batterie              | 1 x CR123 (3.0 V, 1300 mAh lithium) |
| Durata della batteria | 5 anni                              |

### Physikalische Angaben

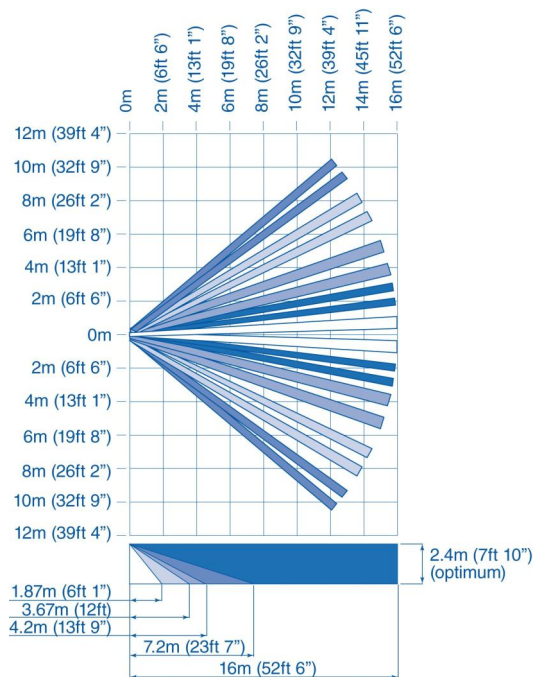
|                      |                              |
|----------------------|------------------------------|
| Dimensioni fisiche   | 130 x 69 x 53 mm (L x W x H) |
| Peso netto           | 146 g (incl. 1 battery)      |
| Altezza di montaggio | 2.3 to 3 m                   |

### Umweltbedingungen

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

### Regulatory

|               |         |
|---------------|---------|
| Grado EN50131 | Grade 2 |
|---------------|---------|



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