

8IR103



PIR Motion Sensor with Pet Tolerance

The 8IR103 detector offers a simple, reliable and cost-effective solution to meet the requirements of the majority of installation needs. With high precision sealed optics as standard, full microprocessor control and the streamlined low-profile aesthetic design, your choice of detectors has just been made easier.

The 8IR103 PIR detector uses a special designed optical Lens with new ASIC based electronics optimized to eliminate false alarms caused by small animals and pets. Pet tolerance is selectable so that the detector can equally be used as a conventional PIR sensor enabling installers to reduce the number of sensors they need to carry.

The 8IR103 detector has a large detection range which is adjustable from 11m to 18m, offering superb flexibility for any security installation.

With unprecedented levels of white light immunity, false alarms caused by light sources such as the sun or car headlights, are vastly reduced.

The 8IR103 is supplied with mounting brackets giving installers the option of ceiling, wall or corner mounting for greater flexibility and ease of installation.

Features:

- **Digital Processing**
Provides fast, accurate information processing for improved catch and false alarm protection
- **Quad Linear Imaging Technology**
Ensures sharp analysis of body dimensions and differentiates backgrounds and animals
- **Large detection area**
Detection area up to a maximum of 18 x 18m (60ft x 60ft) with wide angle lens (supplied), ideal for both commercial and residential installations
- **Pet tolerance as Standard**
Can be used in most residential or commercial applications, as a conventional or pet tolerant detector (selectable: up to >15kg for cats, and >25kg for dogs)
- **Adjustable Pulse Count**
Variable pulse width and PIR sensitivity adjustments to minimise false alarms
- **Attractive, Compact Housing**
Discreet, compact design, blends into the surrounding environment
- **Sealed Optics**
Prevents bugs and other insects from entering the detector and creating false alarms, therefore providing high-reliability detection
- **Temperature Compensation**
Ensures that detection remains constant regardless of the fluctuation in background ambient temperature, providing improved protection especially in warm environments
- **Height installation calibration free (1.8m – 2.4m)**
Improved detection capabilities preventing blank spots as there is no need to adjust the detection pattern as the detector is preset to heights between 1.8m - 2.4m
- **Full compliance with EN Standards**
Designed in accordance with EN50130-4:1995 and EN61000-6-3:2001, Class B, Security Grade 2, Environmental Class II to meet all current legislative requirements

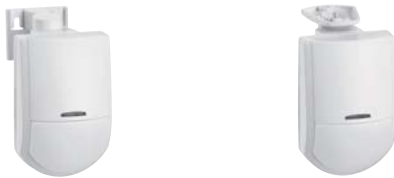
8IR103

PIR Motion Sensor with Pet Tolerance

Specifications	
Range	18 x 18 m (adjustable from 11m)
Detection Method	Quad (Four element) PIR
Power Input	7.8 to 16 VDC
Current Draw	Standby: 8mA (± 5%) Active: 10mA (± 5%)
Temperature Compensation	YES
Pulse Width	Adjustable
Alarm Period	2 sec (± 0.5sec)
Alarm Output	N.C 28VDC 0.1 A with 270Ohm series protection resistor
Tamper Switch	N.C 28VDC 0.1A with 10 Ohm series protection resistor - open when cover is removed
Warm Up Period	60sec (± 5sec)
LED Indicator	LED is ON during alarm
Operating Temperature	-20°C to + 60°C (-4°F to + 140°F)
RFI Protection	30V/m 10 - 1000MHz
Dimensions (h x w x d)	90mm x 59mm x 37mm (3.54" x 2.32" x 1.46")
Weight	40g (1.4oz)
Accessories	Wall & Ceiling mounting bracket supplied

Honeywell reserves the right to alter the specification of products without notice

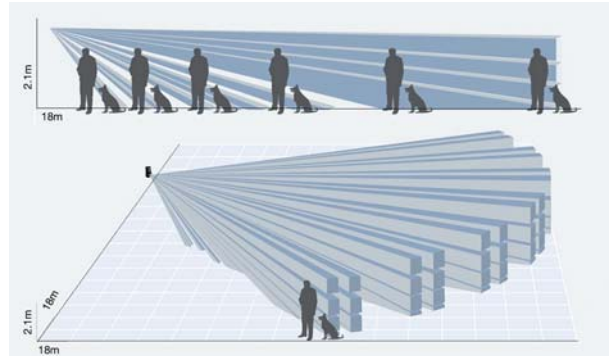
Mounting Options:



Ordering references:

Part Number	
8IR103	PIR Motion Sensor with Pet Tolerance (supplied with bracket)

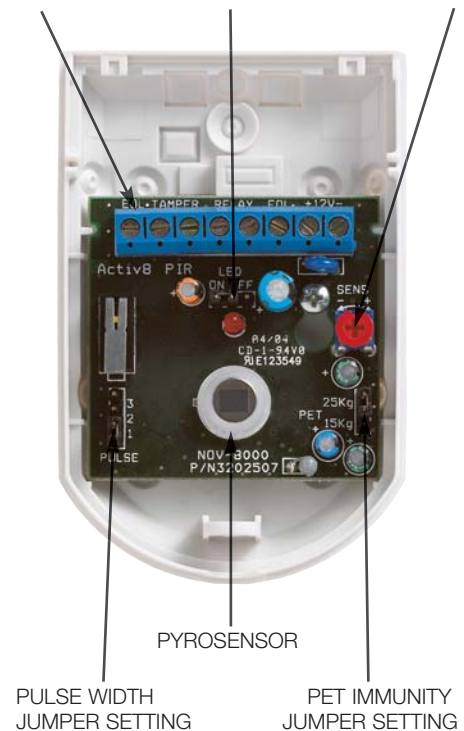
Detection patterns



TERMINAL BLOCK
CONNECTIONS

LED ENABLE
JUMPER SETTING

PIR SENSITIVITY
ADJUSTMENT



Find out more:

www.honeywell.com/security/uk
 Fax: +44 (0) 1698 738300
 email: HSUK64SalesTeam@honeywell.com

Honeywell Security
 Newhouse Industrial Estate
 Motherwell
 Lanarkshire
 ML1 5SB

Scotland
 Tel: +44 (0) 1698 738200
 www.honeywell.com

HSC-8IR103-01-EN(0909)DS-E
 September 2009
 © 2009 Honeywell International Inc.

Honeywell