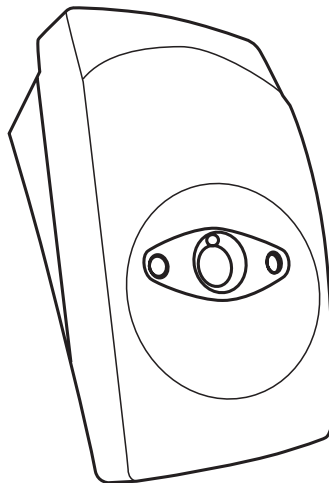


# PIR Motion Detector

## Quick Start Guide

### 5480DPIR



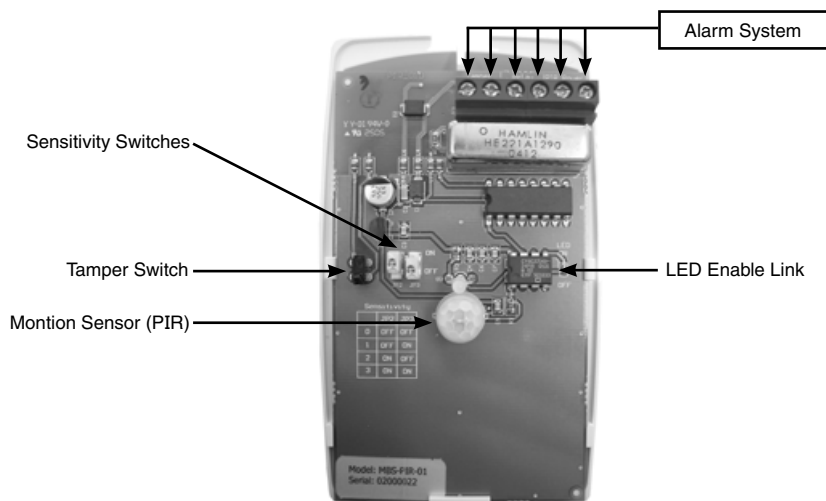
The Clipsal Digilant 5480DPIR is a microcontroller based pyroelectric infrared motion detector with software filtering and variable sensitivity. It looks identical to the range of Clipsal Digilant surveillance cameras and can thus be used as a drop-in replacement for existing PIR motion detectors to ensure visual continuity where cameras are not required in all monitored areas. The combination of identical looking cameras and PIR detectors on a security system can deceive intruders and prevent the cameras being vandalised during a break-in.

The sensitivity can be varied in 4 steps by selecting a combination of two switches.

### Features

- microcontroller based
- variable sensitivity in 4 steps
- software filtering to reduce false alarms
- tamper switch
- visually identical to the Clipsal Digilant Surveillance camera
- drop-in replacement for most security motion detectors
- removable link to disable LED for covert monitoring.

### System Description

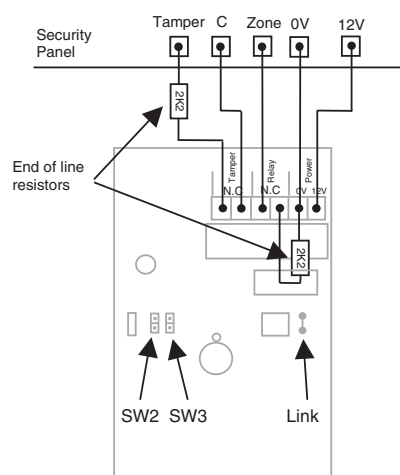


## Specifications

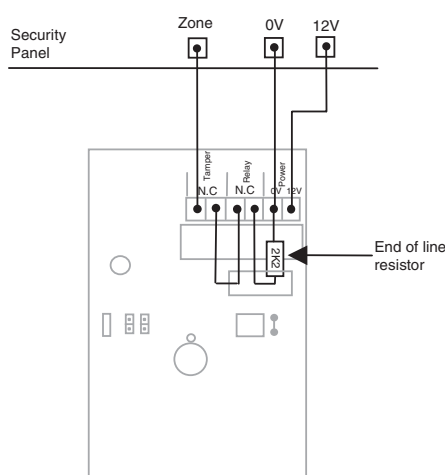
<b>Motion Sensor</b>	Type: PIR Range: 0-5 m (Minimum), 0-12 m (Typical) Field Of View: 100° horizontal, 82° vertical
<b>External Power Supply</b>	9V d.c. to 15V d.c.
<b>Relay Specifications</b>	200V d.c., 1A
<b>Power Consumption</b>	20 mA
<b>Case Dimensions</b>	116 x 67 x 55 mm
<b>Weight</b>	94g, 132g (Including packaging)
<b>Operating Temperature</b>	0°C to 50°C

## Installation

5 Wire Connection With Tamper



3 Wire Connection With Tamper  
(Tamper Switch and Alarm Relay in series)



1. Connect the Motion Detector to the Alarm System as per one of the above connection diagrams (depending on the number of wires available).
2. Set the motion detector sensitivity to suit the conditions in the room. ie If the windows are open most of the time and warm air is being blown in, then the sensitivity should be reduced to say "2". The two switches (SW2 & SW3) can be set in 4 combinations of ON (up) or OFF (down), giving 4 steps of sensitivity. Note: 0 = Most sensitive, 3 = Least sensitive!

Sensitivity			
		SW 2	SW3
<b>Most Sensitive</b>	0	OFF	OFF
	1	OFF	ON
(Default) →	2	ON	OFF
<b>Least Sensitive</b>	3	ON	ON

3. The LED link enables operation of the LED if so desired and will indicate red when motion is detected. If covert operation is required, cut the link to disable the LED activity.

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