



IDRATEK
INTELLIGENT AUTOMATION

PRS-002

PIR Sensor

© IDRATEK LTD
w: www.idratek.com



The information in this document is provided for guidance only. IDRATEK Ltd reserve the right to make any necessary changes, without notice, in order to improve the quality of their products.

The PRS-002 PIR sensing module provides a means of detecting motion using passive infra-red (body heat). Whilst such sensors can only detect changing patterns of heat this information can form part of a range of other sensory feeds to infer presence – for example to determine room occupancy state.

As with other IDRATEK modules 'Reflex' functions are provided to allow control of other network devices based on PIR state conditions.



PIR Sensor Characteristics¹

- Detection cone: 82°V x 100°H
- Detection zones: 64
- Range: 5m

Functional

- PIR state can be interrogated at any time
- PIR state change trigger
- Mode programmable trigger gating:
Eg: trigger on PIR->Low, trigger on PIR->High, trigger on either transition, trigger and latch
- User definable 'ON' dwell period
- PIR trigger can generate a pre-defined response and/or several user programmable responses
- Status/PIR indicator LED
- Initialise trigger
- In-situ reprogrammable firmware

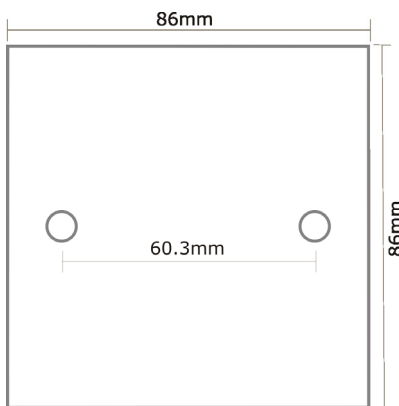


Electrical

- Operating voltage 12-15V DC
- Current consumption 9mA (nominal)

Environmental

- Operating temperature -10°C to +45°C
- Operating humidity 5% to 95% (non-condensing)



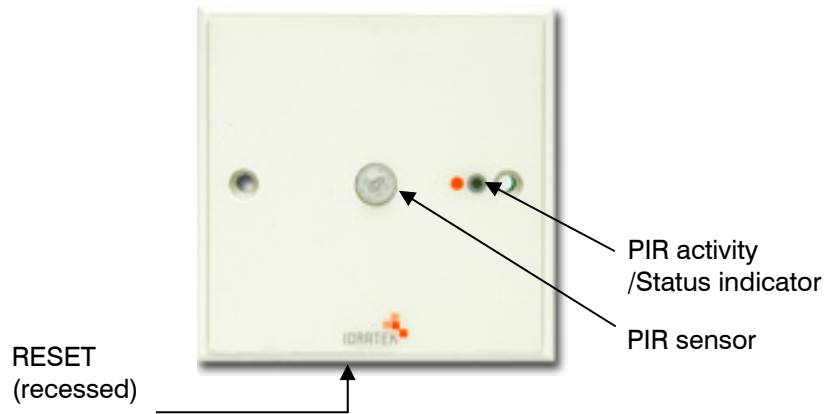
Mechanical

- Designed to fit UK standard 35mm deep electrical pattrass
- 60.3mm fixing centres using standard M3.5 screws



¹ Manufacturers Data Sheet

Interfaces (front)



Interfaces (rear)

