



IDRATEK

INTELLIGENT AUTOMATION

PRS-001 PIR Sensor

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The PRS-001 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
- Fully IDRANet Compatible

Electrical

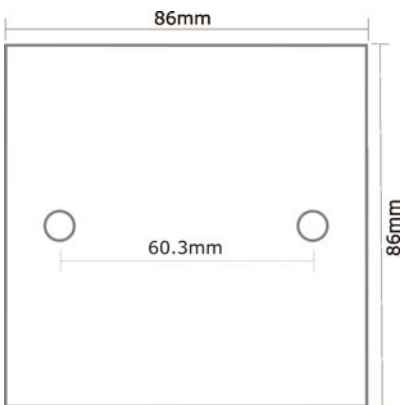
- Operating voltage 12-15V DC
- Current consumption 18mA (nominal)

Environmental

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

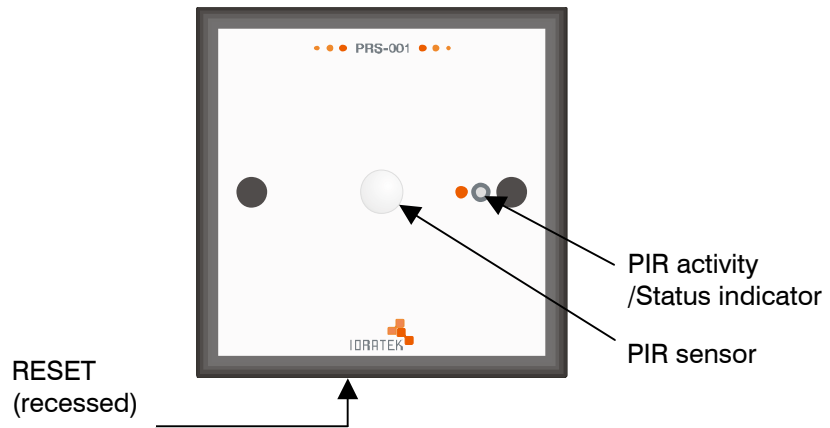
Mechanical

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



¹ Manufacturers Data Sheet

Interfaces (front)



Interfaces (rear)

