

## PIRguard External PIR Sensor

## PIR18MWP

The PIR sensors is a single sensor, giving up to 90° of coverage. Designed to automatically switch when presence is detected. High quality Passive Infra-Red (PIR) detector using double element, high density, precision optics, providing you with a very responsive and reliable sensor.

PIRguard sensors work best when a persons movement is across the face of the sensor, and not towards the sensor. This is because the person would cross more detection beams (see coverage pattern). This often means that the best place for the sensor is on the corner, looking down the side of the building.

The sensor should be mounted at a height of between 2.5 to 3 metres on a rigid, vibration free vertical surface.

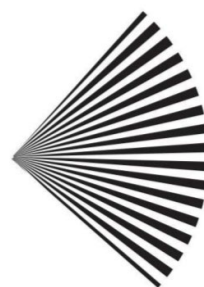
**Do not** locate the sensor near heater flues, air conditioning equipment, etc... this will emit warm moving air and will probably cause a false activation.

**Do not** locate the sensor close to trees, plants or other shrubbery, as they will emit infrared energy and could possibly cause a false activation.

Specification	PIRguard
Alarm Current Cons	12mA (LED enabled) 6mA (LED disabled)
Standby Current Cons	3mA
Sensor Operating Voltage	12V dc
Operating Temp	-10°C to +40°C
Signal Output Standby	12V through a 22K resistor
Coverage	90° with 18m detection range
Dual Element	Thermally Stabilised
Alarm	0V through a 100R resistor
Visual Indication	N/A
Integral Sounder Level	N/A
Tamper	N/A
Material	ABS
Dimensions	90W x 113H x 84D mm
Weight	0.17kg
IP Rating	IP55
Approvals	UKCA and CE marked, ROHS compliant EMC directive 89/336/EEC BS EN 50081-1 : 1992, BS EN 50082-1

## PIR Detection Pattern

Plan View



Side View

2.5m 18m

