

Surface mounted detector



57540DPEIR

Ceiling Mounted Passive Infrared (PIR), Software programmable Occupancy Sensors accurately detect occupancy and automatically switches lighting on and off as needed. This low profile sensor is ceiling mounted for superior motion detection.

PIR: 360 degree field of view and up to 1000 square feet (92.90 sq. meters) of coverage area.

Ceiling mount sensors also incorporate an integral light level sensor to prevent lighting from switching On when sufficient ambient light is present, such as is commonly found in windowed areas.

Installation and configuration is simple. The sensor readily mounts to drop ceilings and features software adjustments for setting sensitivity and time delay.

Technical Information

Supply voltage	15 - 36V d.c. supplied by C-Bus network. Does not supply power to the network.
Current (active)	15mA
Detection Area (PIR)	360° Passive infrared (PIR) 7.6m diameter at 2.7m height
Light level sensor range	0 to 2000 lux
Infrared remote range	10m when detector is mounted 2.7m above oor
Controls	Trimpot A: light level threshold adjustment Trimpot B: PIR motion sensitivity adjustment
Indicator LEDs	Red LED: light level maintenance is active Orange LED: assigned network group is active Blue LED: PIR movement is detected, programmable
Ambient operating temperature range	5° to 50° C
Ambient operating humidity range	10 to 90% RH (non-condensing)
Dimension	102 x 33 mm (internal dia 87mm)
Standards tested to	AS/NZS, IEC, RoHS

Catalogue Number	Description
57540DPEIR	360° Occupancy and Light Level Detector with IR Receiver, Surface Mount
57540DPE	360° Occupancy and Light Level Detector, Surface Mount

Product Features

- Mountable on solid surfaces as wood or masonry
- Extends only 33mm from the mounting surface
- Uses adjustable passive Infrared for motion detection
- Time delay ranges from 0 to 18hrs
- Light level sensor which ranges from 0 – 2000 lux
- Compatible with C-Bus hand held remotes (sold separately)
- Requires no connection to building power
- Programmed using C-Bus Toolkit software
- Light level threshold value is set in software
- Daylight harvesting to maintain a constant user-configured light level