

Surface mount light level detector

The 5754PE light level detector is a C-Bus input unit that measures the ambient light level and converts the information.

Ambient light levels are compared to the user-defined target light level. Control messages are then sent to output units to alter the lighting levels as required.

The detector readily mounts on solid surfaces such as masonry or wood. A single twisted pair connection provides both the C-Bus network interface and power for the detector. The messages that are sent across the C-Bus network.



5754PE

Technical Information

Supply voltage	15 - 36V d.c. supplied by C-Bus network. Does not supply power to the network.
Current (active)	15mA
Light level sensor range	0 to 2000 lux
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
Mounting Hole Spacing	66 mm
Standards tested to	AS/NZS, IEC, RoHS

Catalogue Number	Description
5754PE	360° Occupancy and Light Level Detector, Surface Mount

Product Features

- Quickly mounts on solid surfaces such as masonry or wood
- Extends only 33mm from the mounting surface
- Software set Light level threshold value
- Programmed using C-Bus Toolkit software
- Powered from the C-Bus network. No external power required
- LED indicators show when light level monitoring is active and when the assigned C-Bus group is active
- Daisy chain wiring allows the unit to be placed anywhere in the network
- Selectable group address for the light level margin
- Software provides selectable group addressing for the light level target
- Selectable group address for High/Low lux levels
- Selectable block for which the High/Low thresholds are controlled by a group
- Bank switching of lighting levels based upon the Light Level Set Point
- Daylight harvesting to maintain a constant user configured light level