C-Bus Outdoor PIR Movement Sensor

C-Bus 2

CLIPSAL INTEGRATED SYSTEMS

5750WPL Series

The C-Bus Outdoor PIR Movement Sensor is a C-Bus input unit used to detect movement by sensing natural thermal radiation emitted from any moving body. When movement is detected, the unit issues commands over the C-Bus network to control C-Bus output devices. The sensor is suitable for controlling lighting in homes, apartments, offices, corridors, conference rooms, etc.

The sensor incorporates the C-Bus 'Learn Mode' feature. Learn mode allows the units to be programmed without the need for a PC connected to the system. Alternatively, the units can be programmed via a PC using the installation software.

The sensor has a detection field that covers an area up to 18 metres from the unit, with a field of view of 110°. Advanced microprocessor circuit technology and a flat multi-segmented lens drives the field of view into 48 zones located at four different levels. This ensures immediate reaction to body movement and reduces the number of 'dead zones' that can be penetrated.

The sensor is capable of controlling up to four C-Bus 'Group Addresses', with each being controlled for a different period if required.

An added feature is that each sensor includes an ambient light level sensor (Sunset Switch) feature, which automatically turns lights on when the ambient light level falls below the threshold level (at sunset), and then turning the lights off again at sunrise. Alternatively, the lights can be programmed to automatically turn off at a set time after sunset.

A light emitting diode (LED) on the sensor head can be programmed to turn on when movement is detected. This enables easy positioning and commissioning of the sensor.

The outdoor models rugged construction ensures that it meets an IP66 rating, enabling it to be used in severe weather conditions.

Like all other units that make up a C-Bus system, the C-Bus Outdoor PIR Movement Sensor is Australian designed, developed and manufactured by Clipsal Integrated Systems Pty Ltd.

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CLIPSAL IBS Intelligent Building Series™

5750WPL Series C-Bus Outdoor PIR Movement Sensor

- Capable of controlling up to four C-Bus 'Group Addresses', with each being controlled for a different period if required.
- Incorporates an ambient light level sensor which acts as a Sunset Switch to control the status of the load.
- A light emitting diode (LED) on the sensor head can be programmed to turn when movement is detected, via the installation software, enabling easy positioning and commissioning of the sensor.
- Time-out variation from 1 second to 18 hours, 12 minutes and 15 seconds, is set via the installation software.
- Light sensitivity variation from one lux to full sunlight is set via an adjustment screw located on the sensor unit.
- Detection field that covers an area up to 18 metres from the unit, with a field of view of 110°. Lens less design with 12 overlapping zones forming a continuous detection field.
- An electrostatic and electromagnetic shield around the sensor elements that reduce false tripping from radio frequency interference (RFI).
- High performance pyroelectric ceramic sensors with excellent signal to noise ratio.
- An optical bandpass filter that minimises unwanted light and heat sources triggering the circuitry.
- Dual element detectors that minimise false triggering due to rapid environmental temperature changes.
- A flexible two core lead has been pre-wired to the sensor head to keep the electronics enclosure waterproof.
- A terminal block is also provided as a termination point between the C-Bus network and the two core lead.
- Refer to 5750WPL Installation Instruction for location and mounting details.
- Available in Australian and export version.
- Wall or ceiling mounted.
- Designed to meet Australian and European standards for EMC Compliance and Safety.
- Configured via either the C-Bus Installation Software or via the C-Bus Learn Enabled feature.
- An inbuilt non-volatile memory retains programmed information relating to the current operating status of the unit in the event of a power failure.
- Communication with other C-Bus devices and the C-Bus supply voltage is obtained via a single C-Bus twisted pair cable.
- Initiates a regular status report, which compares the status of all input and output units within the same C-Bus 'Application Address'.

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