



# DATA SHEET

## LC-PIRCC

The LC-PIRCC presence detector is a sensor for automatic lighting control. It detects movement using a PIR sensor, which updates the light controller using a solid state galvanically isolated clean contact interface. When an area is no longer occupied, the device times out after a configurable period.

This detector features our **Progressive Sensitivity** function to eliminate false triggering and features a walk-test mode to help with configuring the detector, with movement indicated by a built-in blue LED. This starts when the unit is powered up, and expires 30 minutes after movement detection stops. Adjustment for sensitivity and timeout period is made during commissioning using two trimmers on the rear of the unit.

If this PIR is to be used in a system that does not require the output to be isolated, simply connect the negatives (Com) of the supply and output together at the PIR. Please note that because this device features a solid-state isolator, output connection polarity must be strictly observed.

This neat, compact PIR is compatible with equipment that uses switched (clean contact) inputs, and is an ideal choice for mounting in trunking or on luminaires, or where aesthetics are a consideration. The LC-PIRCC can also be specified with custom painted bezels .

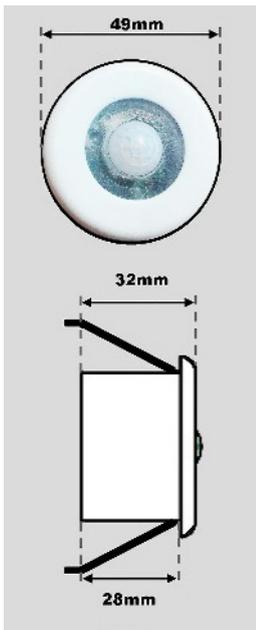


**IMPORTANT:** The information contained in this data sheet is subject to change at any time without notice

Lighting Controls Ltd., 5 Bourne Mill Business Park, Guildford Road, Farnham, Surrey, GU9 9PS, U.K.

Tel: +44 (0)1252 470027 Fax: +44 (0)1252 782288 email: [info@lightingcontrols.ltd.uk](mailto:info@lightingcontrols.ltd.uk) web: [lightingcontrols.ltd.uk](http://lightingcontrols.ltd.uk)

## LC-PIRCC



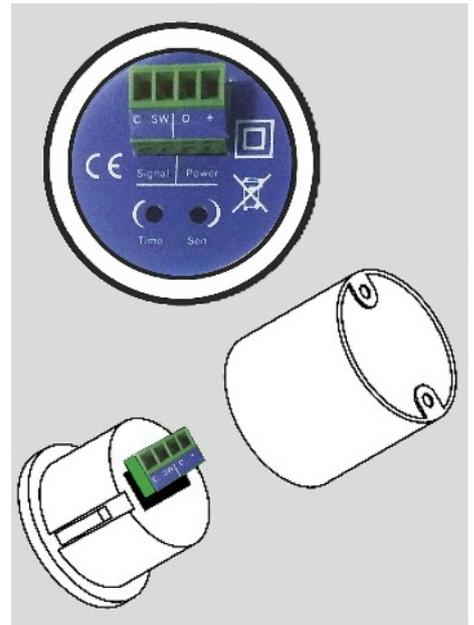
**Detection pattern:** circular, approx. 6m dia. when PIR is mounted at a height of 2.8m.

**Case/holder material:** Flame retardant ABS.

**Connection:** is made by a two-part terminal block on the back of the unit, which can be specified either with screw or lever clamps.

**NOTE:** If this PIR is to be used on a system that does not require the output to be isolated, simply connect the negatives (Com) of the supply and output together at the PIR. Because this device features a solid-state isolator, output connection polarity must be strictly observed.

The LC-PIRCC is compatible with equipment that uses switched (clean contact) inputs, such as Lutron.



Supply voltage	14-28VDC
Power consumption	175mW
Switching current	25mA
Range	6m at 2.8m ceiling height
Fitting hole size	41mm
Material (body of unit)	Flame retardant ABS
Material (clear lens)	Clear acrylic (PMA)
Colour	RAL9010
Temperature range	-10°C to +35°C
Maximum humidity	90% CH (non-condensing)

Pin 1	Output common (Com)
Pin 2	Output signal (CCI)
Pin 3	Power common (Com)
Pin 4	Power supply (V+)