



DATA SHEET

LC-DALIPIR

The LC-DALIPIR presence detector is a sensor for automatic lighting control. It detects movement using a PIR sensor, which updates the light controller using a DALI 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. There is also an integral lux detector, enabling the sensor to control daylight linking. Daylight linking can be configured either to keep lights off when there is sufficient ambient light, or used as part of a closed loop to maintain a pre-set luminance level in a dimmable system. When using the lux detector, an extra DALI address is assigned to the unit.

Being DALI, the device ID is randomised during commissioning, and there is a visual alert showing when a device has not been addressed. The walk-test mode, indicated by a built-in LED, helps when configuring the detector.

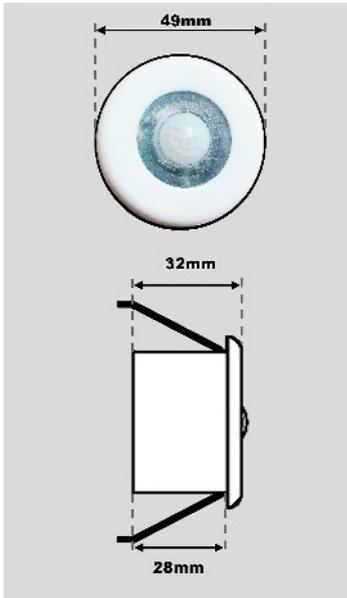
The LC-DALIPIR is connected via a screw terminal on the rear in a standard DALI two wire configuration, powered from the data line. However, for applications where the current drain would be too high for the bus to be sustained, PIRs can be powered from the DALI64 using a 4-wire connection.

This neat, compact PIR is an ideal choice for mounting in trunking or on luminaires, and where aesthetics are important. The LC-DALIPIR can also be specified with custom painted bezels to further help the sensor blend into the surface on which it is mounted.



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

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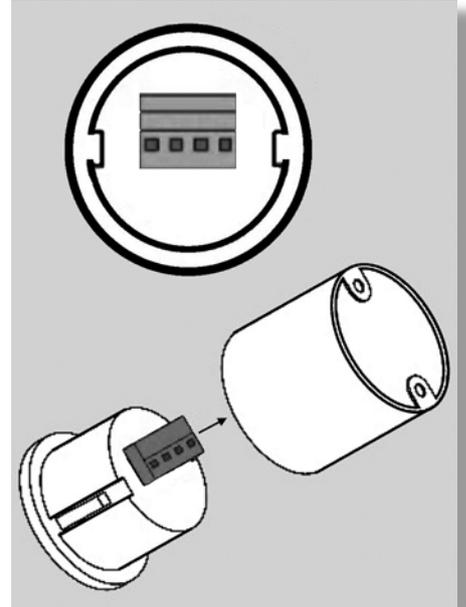
**General Information**

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

Case/holder material: Flame retardant ABS

DALI numbers and address information: One DALI address is allocated to each PIR sensor along with one additional address if the photocell detector is used. There is a visual alert if a unit is unconfigured.

Up to 10 DALI sensors can be connected on a 2-wire system, and up to 15 on a 4-wire system.



Supply voltage	10-18VDC
Power consumption	120mW
Range	6m at 2.8m ceiling height
Maximum number of devices (two wire connection)	10
Maximum number of devices (four wire connection)	15
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	Power supply (four wire mode)
Pin 2	Power supply (four wire mode)
Pin 3	DALI bus
Pin 4	DALI bus