



LRT 010

Features

- Corner or flat wall mounted
- 24Vac/dc supply
- 0-10Vdc

Technical data

Sensor reference	Photo-diode
Power supply	24Vac/dc
Accuracy	+/-5% across range
Field of view	90°
Coverage	21 metres max
Light range	10-2000lux
Dimensions	See page 3
Mounting hight:	2 to 3m above the floor
Temperature	-10°C - +40°C
Humidity	90% RH max
Colour	White
Housing	Flame retardant ABS, polypropylene
Approval	The product meet the demand of CE

Design Features

The LRT 010 is a light level transmitter designed for use in the active control of artificial lighting, both to optimise light levels and to achieve maximum energy efficiency.

The LRT 010 uses a photo-diode cell to detect light levels in the 10-2000 lux range, providing a linear 0-10Vdc output signal.

The LRT 010 is designed to be ceiling mounted for the measurement of all types of light levels.

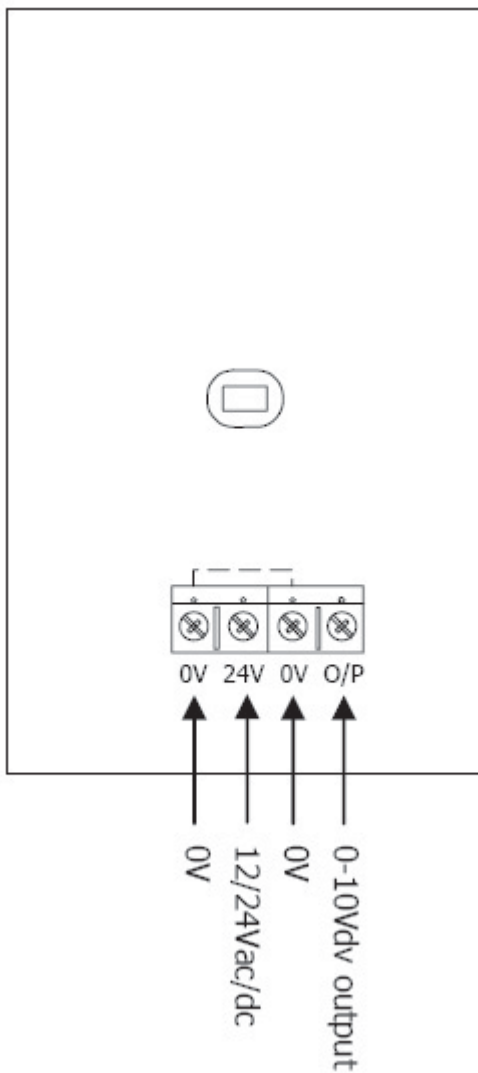
Installation

- Avoid direct sunlight entering the sensor
- Do not site within 1m of forced air heating or ventilation
- Do not site within 1m of any lighting
- Do not fix to a vibrating surface

Ordering Code

LRT 010 Wall mount light level sensor 0-10Vdc

Connections



The electrical connections must be made before attaching it to the wall bracket or directly to the wall.

Mounting

Bracket Mounting

The recommended fixing of the LRT 010 to a flat wall or corner is using the bracket included with the unit.

The bracket is secured using screws (not supplied) and then the housing is simply attached as shown in the diagram below.

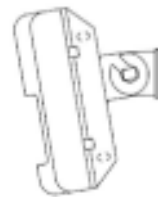
The wall bracket must be fitted with the opening pointing with the opening pointing upwards.



Align the bracket opening with the LRT 010 housing



Adjust, as required



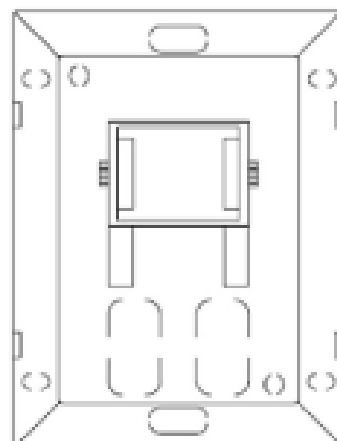
Direct Mounting

Direct mounting either a corner or flat is achieved using knock-out's in the back cover.

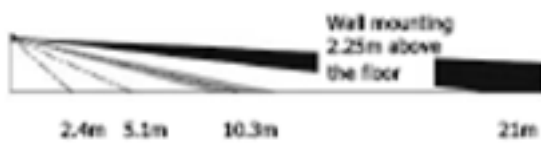
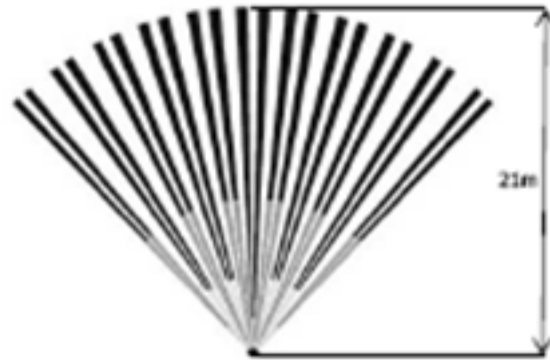
the front cover is removed by unclipping it which will reveal a number of knockouts on the rear part of the enclosure.

These are simply pinched or drilled out and the rear section is then fixed directly to the surface.

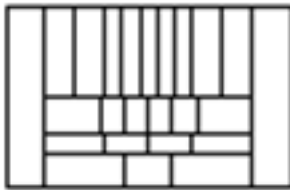
The front cover can then be clipped back into place.



Detection Range

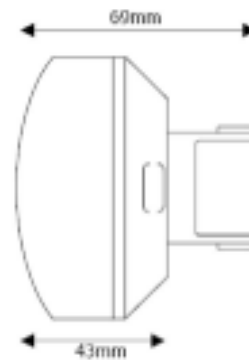


Lens Pattern



Dimension (continued)

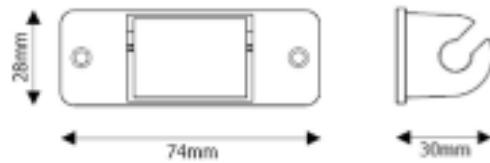
Top



Side



Wall bracket



Dimensions

Front

