



Light Level Sensor



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Range DGOZ-LLS-M

Overview

The Light Level Sensor can be used as part of a RAPIX Lighting Control System to control a space based on ambient light measurement.

The RAPIX Light Level Sensor connects directly to an eHub and is used to measure light levels in a space and send this information to the eHub for logic processing. The required operation of the light level sensor/eHub is configured in the RAPIX Integrator software package.

Up to three RAPIX PIR occupancy sensors can optionally be directly connected to the light level sensor.

Features

Connects to and powered from a RAPIX eHub.

0 to 4000 Lux sensing range.

Allows connection to three PIR sensors.

Fits standard Australian wall plate aperture.

Suitable for ceiling and wall mount.

Designed in Australia.

Possible Operational Setups

'Daylight harvesting', where DALI luminaires connected to a RAPIX Lighting Control System are dimmed up or down to maintain a required illuminance (Lux) level on a desktop.

Set PIR sensor operation based on Light Level, for example: movement detected by PIR turns a RAPIX Zone on, but only in dark; or movement detected by PIR turns a RAPIX Zone on, but only in light.

Stepped light level response to allow different events to occur on a RAPIX Lighting Control System at different light levels.

Sunset/sunrise switch operation. For example lighting switches on at low light/night/dusk and off for sunrise /daylight.

Enable/disable the light level sensor.

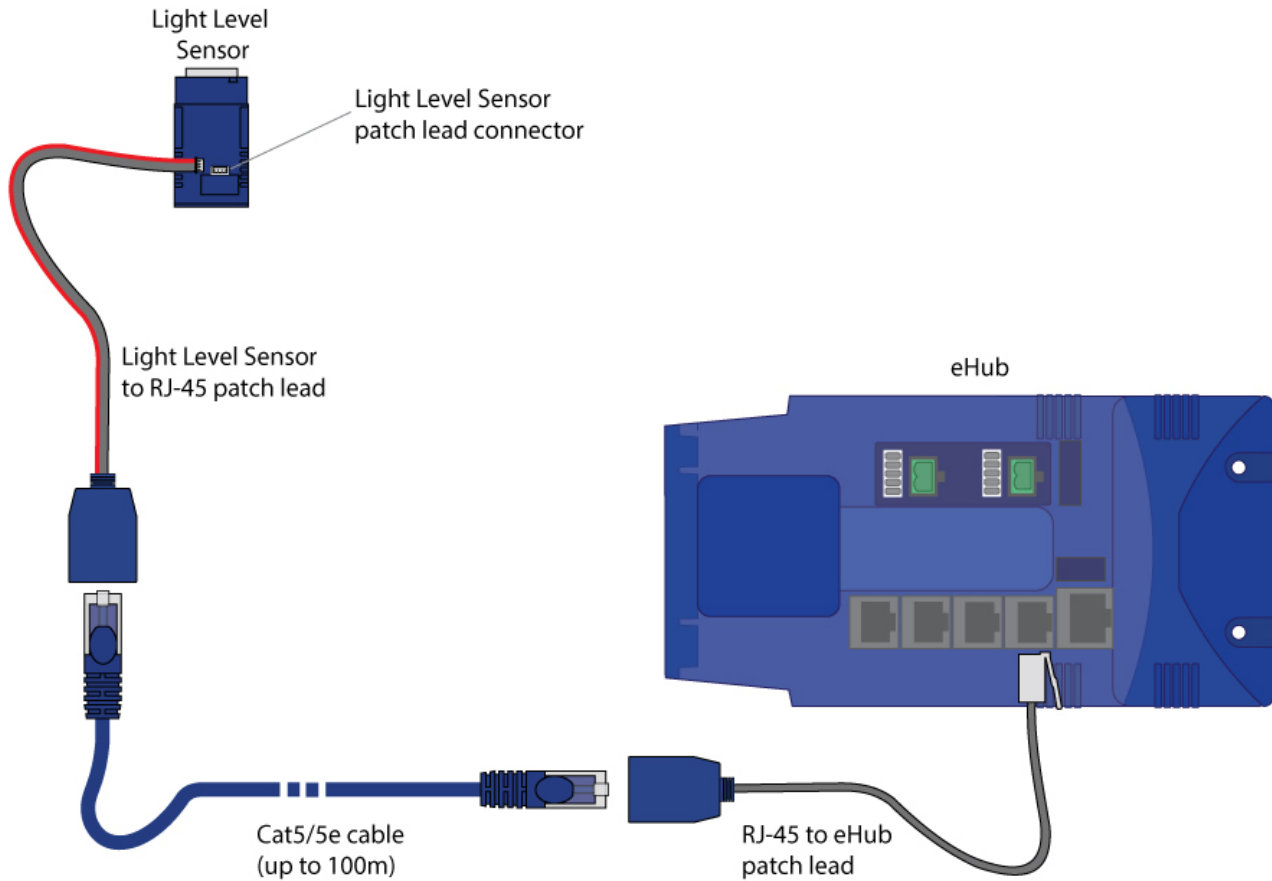
Enable/disable PIR's connected to the Light Level Sensor.



Connection to RAPIX eHub

The Light Level Sensor is **only suitable for use with the RAPIX eHub**.

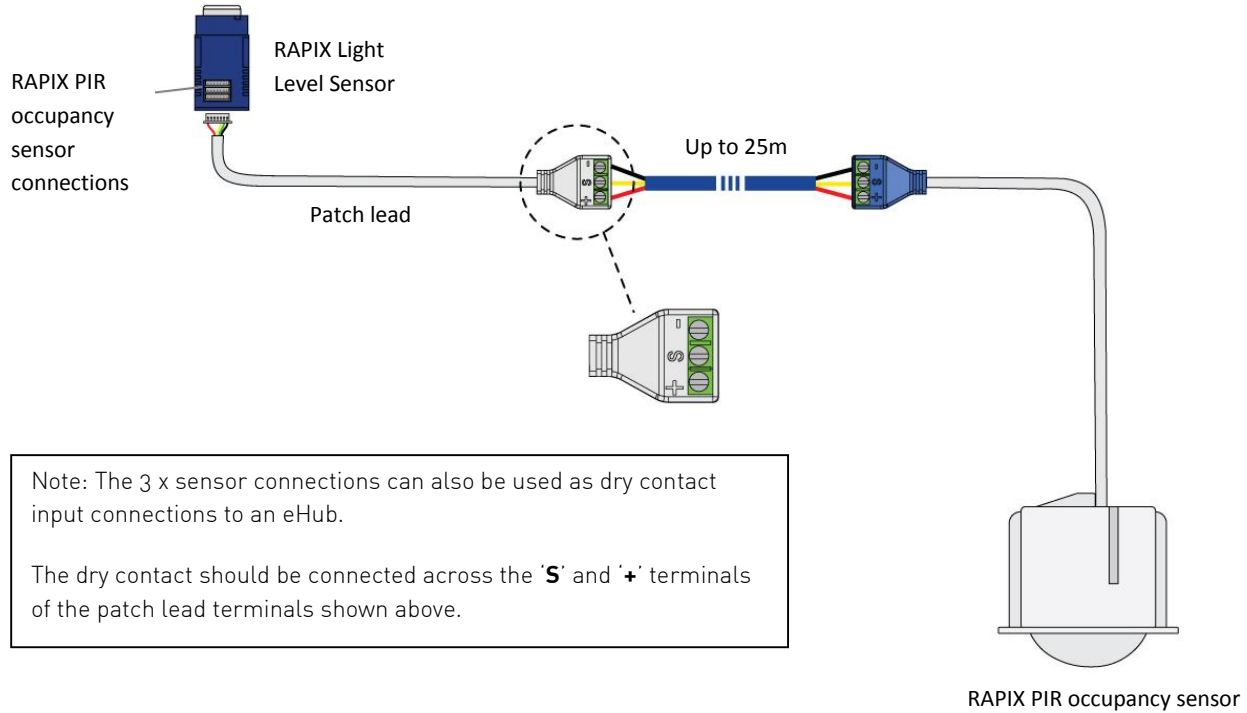
The Light Level Sensor can be connected and powered from any of the four eHub smart channel inputs. Patch leads are provided to connect the Light Level Sensor to the eHub as shown below.



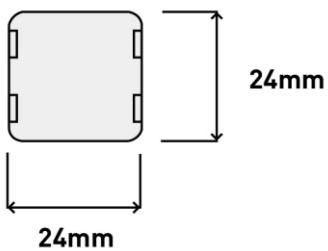
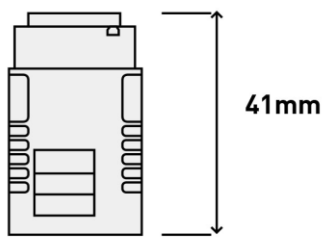


Connecting a PIR sensor to the Light Level Sensor

Up to three RAPIX PIR sensors can be connected to a Light Level Sensor, as shown below.







Dimensions





Light Level Sensor

Specifications

Parameter	Specification
Input Voltage	12Vdc (supplied via RAPIX eHub)
Input current	10 mA with no PIRS. Up to 160 mA fully populated with PIR's. Each PIR should have a current draw ↓ 50 mA. A suitably sized eHub power supply should be used that can handle the total number of PIRs.
Light Level Measurement Range	1 to 4000 Lux
Automatic Light Level Maintenance Range	100 to 1000 Lux when used with RAPIX eHub
Automatic Light Level Maintenance Tolerance	10%
Light Level sensor Field of view	180°
Operating Temp	0-50°C
Number of PIR connections supported	3
Maximum distance between eHub and LLS	100m
Maximum distance between LLS and a PIR	25m using cat5/cat5e/cat6 cable
IP Rating	IP20
Identification LED indicator colour	Red
Approvals	   

Approvals & Compliance

IP20  

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The product includes a **TWO-YEAR WARRANTY** against manufacturing defects. Fully warranty terms can be found here www.diginet.net.au

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