



## Product overview

The AX-LL range of light level sensors are designed to control artificial lighting, to optimise light levels and to achieve energy efficiency. The sensors convert ambient light level to 0-10Vdc output to be input to a BMS or lighting system. The unit features Jumper Selectable Outputs (0-2000, 0-4000 & 0-10,000 LUX).

## Features

- Outside, Flush, Surface and wall mounted options
- Analogue 0-10Vdc output
- Outside IP65 unit 0-20,000 Lux option
- Indoor units all 0-2,000 Lux

## Product specifications

Sensor Type:	Light dependant resistor
Ranges:	0-10,000 Lux 0-4,000 Lux 0-2,000 Lux
Accuracy:	±5% across the range
Field of View:	60°
Power Supply:	24Vac/dc ±15%
Output:	0-10Vdc
Electrical Connections:	24V, 0V, O/P
Ambient Temp. Range:	0 to +50°C
Protection:	AX-LL-O IP65 AX-LL-F/S/W IP30
Materials:	Flame Retardant ABS
Conformity:	CE Marked, EMC, LVD
Country of Origin:	United Kingdom

## Connections

24V	Supply
0V	Ground
O/P	0-10Vdc output

## Order codes

AX-LL-O	IP65 wall mount, 0-10,000 Lux 0-10Vdc o/p
AX-LL-F	Flush mount, 0-2,000 Lux, 0-10Vdc o/p
AX-LL-W	Wall mount 0-2,000 Lux, 0-10Vdc o/p

Order Online at:

[www.annicom.com](http://www.annicom.com)

Email orders and enquiries to:

[Sales@annicom.com](mailto:Sales@annicom.com)

## Installation & configuration

The AX-LL-x should be sited following the following guidelines.

- Avoid direct sunlight entering the sensor
- Do not sight within 1 meter of any lighting
- Do not position sensor on a vibrating surface

### Outside Mounting

The AX-LL-O should be mounted with the cable entry at the bottom. Using the base of the housing as a template drill two pilot holes at 85mm centres in the surface to which the sensor is to be mounted.

### Flush Mounting

The AX-LL-F should be installed in a ceiling tile through a 41mm hole, using the stainless clips supplied. Ensure the tile is sufficiently strong to take the weight of the sensor and that there is sufficient clearance in the ceiling void.

### Surface Mounting

The AX-LL-S has fixing lugs to allow mounting to a single patress box and use the box side knockouts for cable entry.

### Wall Mounting

The AX-LL-W has a fixing lugs to enable it to be mounted to a single patress and use the box side knockouts for cable entry

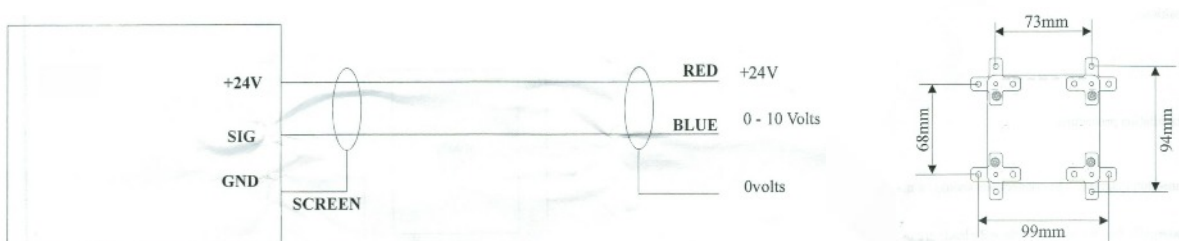
### AX-LL-O-20 Installation & Mounting

The AX-LL-O-20 is supplied with the necessary fittings to affix the enclosure to a flat surface. Supplied in a small plastic bag along with the sensor is a suitable cable gland, and four cruciform mounting lugs and mounting screws, as well as 4 screws and wall plugs.

Fit the four mounting lugs to the back of the unit using the screws supplied. See drawing for the fitting arrangement.

Remove the lid from the case and then drill a 12mm diameter hole in the side of the case where the gland is to be fitted. The unit can then be fitted in the position required. See drawing for the position of the fixing holes. Select which group of four holes you intend to use to mount the sensor.

### AX-LL-O-20 Wiring & Installation Diagram



Every effort has been taken in the production of this data sheet to ensure accuracy. Axio do not accept responsibility for any damage, expense, injury, loss or consequential loss resulting from any errors or omissions. Axio has a policy of continuous improvement and reserves the right to change this specification without notice.