

GLS-LDL-EX-BATT

Battery-Powered Photosensor with infiNET EX®, Dual-Loop

The GLS-LDL-EX-BATT is a battery-powered, wireless, dual-loop photosensor designed to provide superior natural light sensing and indoor light control in daylight harvesting applications. Two internal photocells—one for open-loop daylight sensing and one for closed-loop ambient light sensing—effectively cut costs while providing exceptional photosensing in residential, commercial, or

retro-fit applications. The GLS-LDL-EX-BATT monitors natural daylight from windows and signals the lighting control system to raise or lower the lights according to natural light fluctuations, reducing energy usage while maintaining a consistent light level for a more efficient and comfortable work or living space. The photocells on the GLS-LDL-EX-BATT report analog values ranging from 0-65535 lux.

Versatile Mounting

The battery-powered GLS-LDL-EX-BATT photosensor can be mounted in a variety of places due to its wireless design. The sensor can be mounted to drywall with an anchor and screw, to a drop ceiling or lighting fixture with a magnetic strip, or in a temporary location with adhesive tape. For ceiling mounts, the entire photosensor snaps into a mounting plate that can rotate up to 40 degrees after being secured in place, allowing its position to be fine-tuned after installation. The GLS-LDL-EX-BATT is a sleepy device that will not communicate with infiNET EX® technology unless a certain time or light threshold has been achieved. This ensures



network, and every non-battery-powered device that is added to the network effectively increases the range and stability of the entire network by providing multiple redundant signal paths.^[1]

SPECIFICATIONS

Sensing

Light Sensitivity: 0-65535 lux (0-6089 foot-candles), applies to both open- and closed-loop sensing

Wireless

RF Transceiver: infiNET EX® 2-way RF, 2.4 GHz ISM Channels 11-26 (2400 to 2483.5 MHz), default channel 15;
Range (Typical): 150 ft (46 m) indoor, 250 ft (76 m) outdoor to nearest mesh network device(s);
Subject to site-specific conditions and individual device capabilities

[1]

Gateway: Requires an infiNET EX gateway ^[2]

Controls & Indicators

(1) Pushbutton on front of device for acquire and touch-

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the acquiring process

Environmental

Temperature: 32° to 104° F (0° to 40° C)

Humidity: 0% to 95% RH (non-condensing)

Power Requirements

(2) AAA Lithium-ion batteries;

10 year battery life (under normal operating conditions);

Enclosure

Housing: Plastic, white textured finish, with metal base

Mounting: Mounts to a ceiling mounting plate;

Mounts in a ~3-1/2 in (88 mm) diameter hole created by the provided

cutout template;

Dimensions

Height: 0.99 in (25 mm)

Diameter: 2.77 in (71 mm)

Weight

1.20 oz (34 g)

ACCESSORIES

DIN-AP3MEX:

MC3:

Notes:

1. Any infiNET EX device that provides expander functionality will effectively extend the range of the wireless network beyond the initial range of the gateway. Battery-powered infiNET EX devices, including the GLS-LDL-EX-BATT, do not provide expander functionality. Wireless networks composed predominantly of battery-powered devices may need additional infiNET EX expanders, such as the CLW-EXPEX or GLA-EXPEX (sold separately), or other non-battery-powered infiNET EX devices to ensure proper functionality of the network and battery life for the devices. Refer to the **Best Practices for Installation and Setup of Crestron RF Products**, Doc. #6689 for complete system design guidelines, or contact **Crestron**

True Blue Support for further assistance.

2. Item(s) sold separately.

This product may be purchased from an authorized Crestron dealer. To find a dealer, please contact the Crestron sales representative for your area. A list of sales representatives is available online at www.crestron.com/salesreps or by calling 800-237-2041.

The specific patents that cover Crestron products are listed online at: patents.crestron.com.

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