

WIRELESS DALI LUMINAIRE CONTROLLER

EN-WDLC-ZB

Control Gear, Presence
Detector, and Light Sensor
Support

Support for DALI Type 1
Emergency Lighting



Control two individually
addressed Control Gears and
up to eight in Broadcast Mode

Support for DALI Type 8
Tunable White Lighting

DESCRIPTION

The Wireless DALI Luminaire Controller (WDLC) enables standard DALI drivers to be integrated as part of the Wattstopper PLUS Wireless Lighting Control System.

The WDLC is able to individually address and control up to 2 DALI drivers and can provide group control for up to 8 DALI drivers.

The WDLC supports connection to an additional DALI-2 certified occupancy sensor and Daylight sensor.

The WDLC also supports advanced devices such as DT8 Tunable White Drivers for manual and automated Tunable White use cases as well as DALI Emergency Lighting and testing.

FEATURES

- Integrated wireless transceiver module DALI interface for addressed or broadcast operation
- Bi-directional Wireless to DALI communication
- Supports communication with DALI-2 Occupancy and Daylight Sensors
- Tunable White control of DT8 Drivers
- DALI Emergency Lighting and Testing
- Mounting Options
 - Luminaire Integration
 - Independent Ceiling Integration is possible with the ECO CI KIT (Optional)

SPECIFICATIONS

WDLC

- Voltage: 220 to 240 VAC, 50/60 Hz
- Current Consumption: 0.3 to 1 W (DALI)
- Power Output: 14 VDC with reversible over-temperature, short-circuit, overload protection
- Sensing
 - 1 to 2 DALI control gears in Addressed Mode and 1 DALI-2 Sensor
 - 3 to 8 DALI control gears in Broadcast Mode and 1 DALI-2 Sensor
- Control
 - Bi-directional Wireless to DALI Communication
 - Firmware updated wirelessly via Wattstopper PLUS

- Operating Temperature: 20° to 60°C (-4° to 140°F)
- Weight: 41 g (1.4 oz)
- Certifications: CE
- Environmental Suitability: IP20
- 5 year warranty

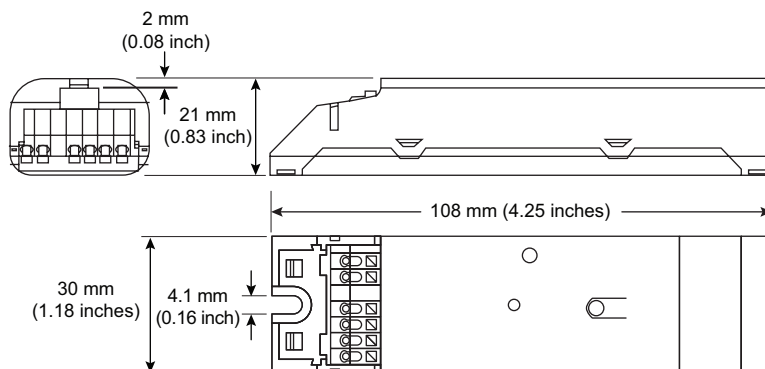
ECO CI KIT

- Independent Ceiling Integration strain relief housing kit for WDLC, DALI HF LS LI Coupler, and DALI Sensor Coupler E
- Weight: 20 g (0.7 oz)
- 5 year warranty

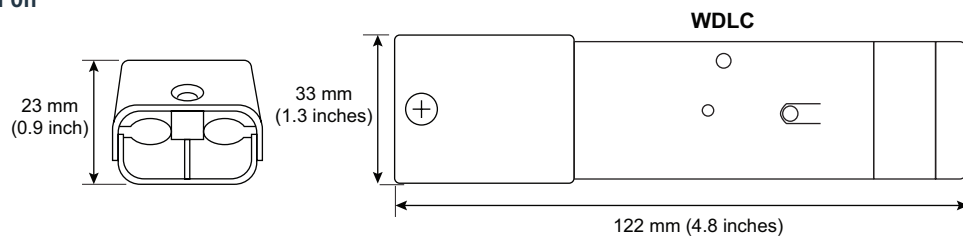
PROJECT		LOCATION/ TYPE	
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DIMENSIONS

WDLC

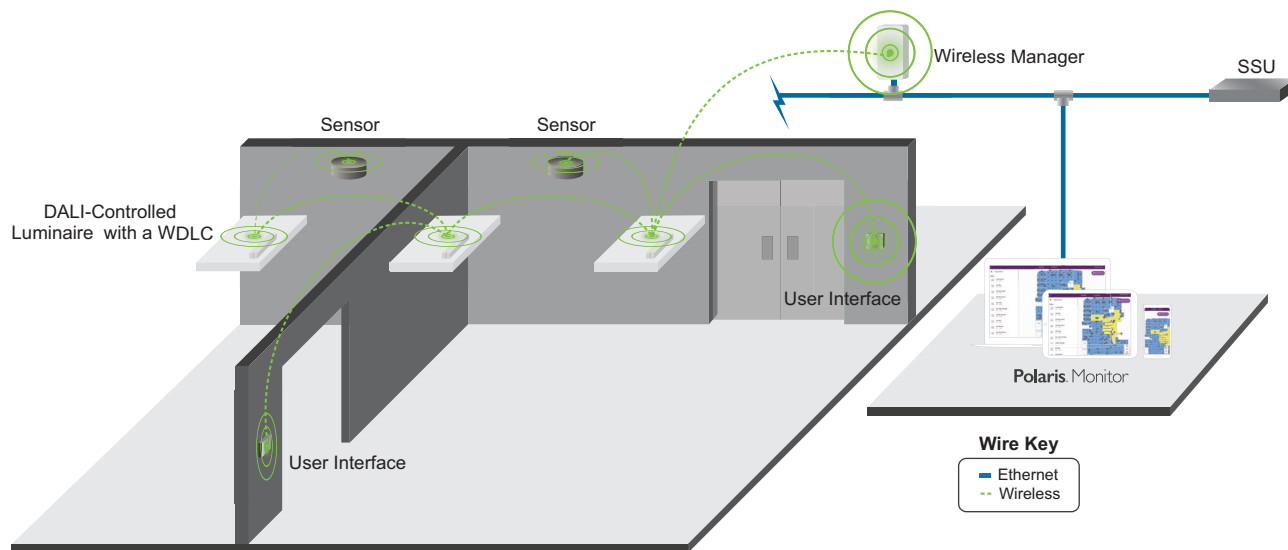


ECO-CI Kit installed on WDLC

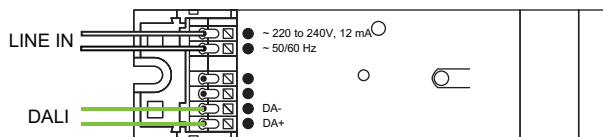


SYSTEM OVERVIEW

This illustration shows how each component is easily integrated into the Wattstopper PLUS System.

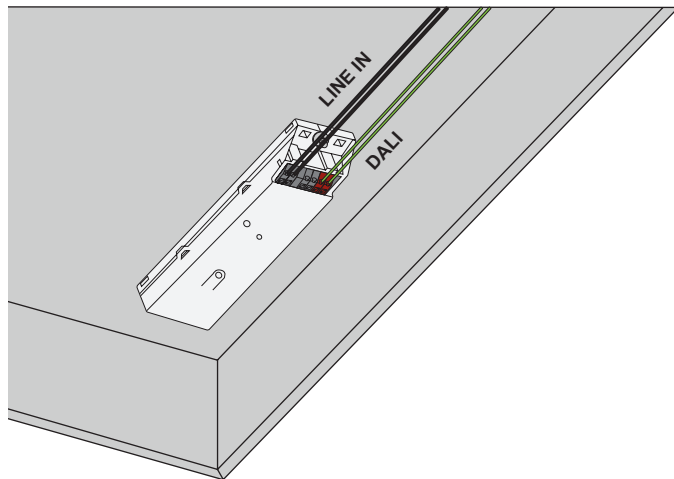


WIRING

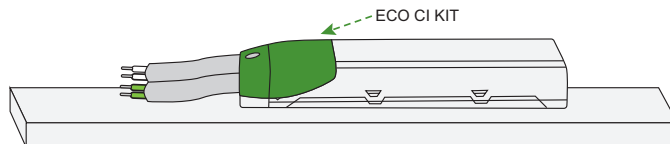


MOUNTING

Luminaire Integration



Independent Ceiling Integration



ORDERING INFORMATION

Catalog #	Description	Communication Network
■ EN-WDLC-ZB	Wireless DALI Luminaire Controller	Wireless
■ ECO-CI-KIT	ECO CI KIT, for independent ceiling mounting	N/A

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