WIRED AREA LIGHTING CONTROLLER

ZIGBEE-DALI-CON-LI

DESCRIPTION

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

OPERATION

The WLC is able to individually address and control up to 2 DALI drivers and can provide group control for up to 8 DALI drivers. An Occupancy and daylights sensor can also be connected to the WLC, including DALI 2.0 sensors*.

APPLICATIONS

The WLC 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
- DALI occupancy and daylight sensor connectible, including DALI 2.0 sensors*
- Customizing lighting scenes for tailored experiences/tasks
- Firmware update over-the-air via Wattstopper PLUS

PROJECT		LOCATION/ TYPE	

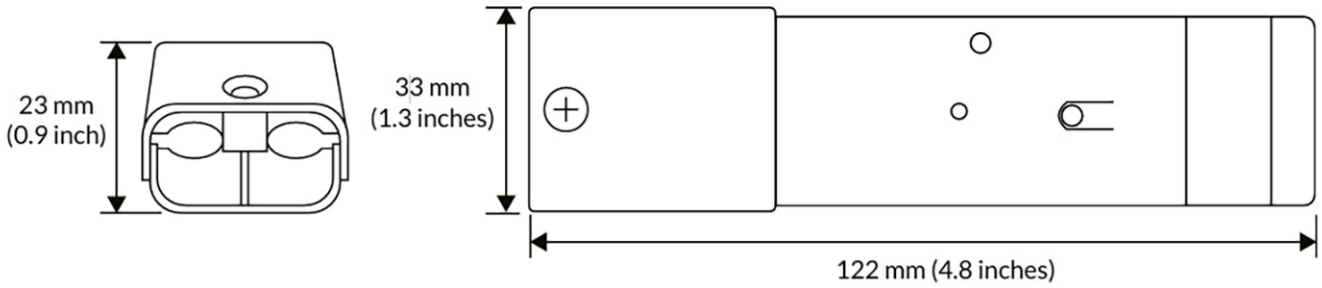
SPECIFICATIONS

- Sensing
  - 1 to 2 DALI gears in Addressed Mode and 1 DALI Sensor
  - 3 to 8 DALI gears in Broadcast Mode and 1 DALI Sensor
- Control:
  - Bi-directional Wireless to DALI Communication
  - Firmware updated wireless via Wattstopper PLUS
- Wireless Range: ≤15 m (49.2 ft)
- Power Consumption: 0.3 to 1 W (DALI)
- Input Voltage: 20 to 240 VAC, 50/60 Hz
- Power Output: 14 VDC with reversible over-temperature, short-circuit, overload protection
- Operating Temperature: -20° to 60°C (-4° to 140°F)
- Dimensions (HWD): 21 x 108 x 30 mm (0.83 x 4.25 x 1.18 in)
- Weight: 41 g (1.4 oz)
- Housing Color: White
- Housing Material: Plastic
- Mounting Options:
  - Luminaire Integration
  - Independent Ceiling Integration is possible with the ECO CI KIT (Optional)
- Warranty: For warranty details, refer to the full warranty documentation at www.legrand.com/wattstopper.
- Certifications: CE
- Environmental Suitability: IP20

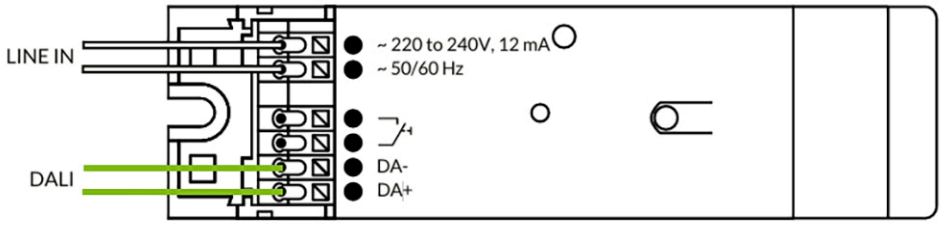
ECO CI KIT SPECIFICATIONS

- Dimensions (HWD) - ECO CI KIT installed on WLC
  - 23 x 122 x 33 mm (0.9 x 4.8 x 1.3 in)
- Weight: 20 g (0.7 oz)
- Housing Color: Green
- Housing Material: Plastic
- Certifications: CE
- Mounting Options:
  - Independent Ceiling Integration strain relief housing kit for WLC, DALI HF LS LI Coupler, and DALI Sensor Coupler E
- Warranty: For warranty details, refer to the full warranty documentation at www.legrand.com/wattstopper.

LINE DRAWINGS

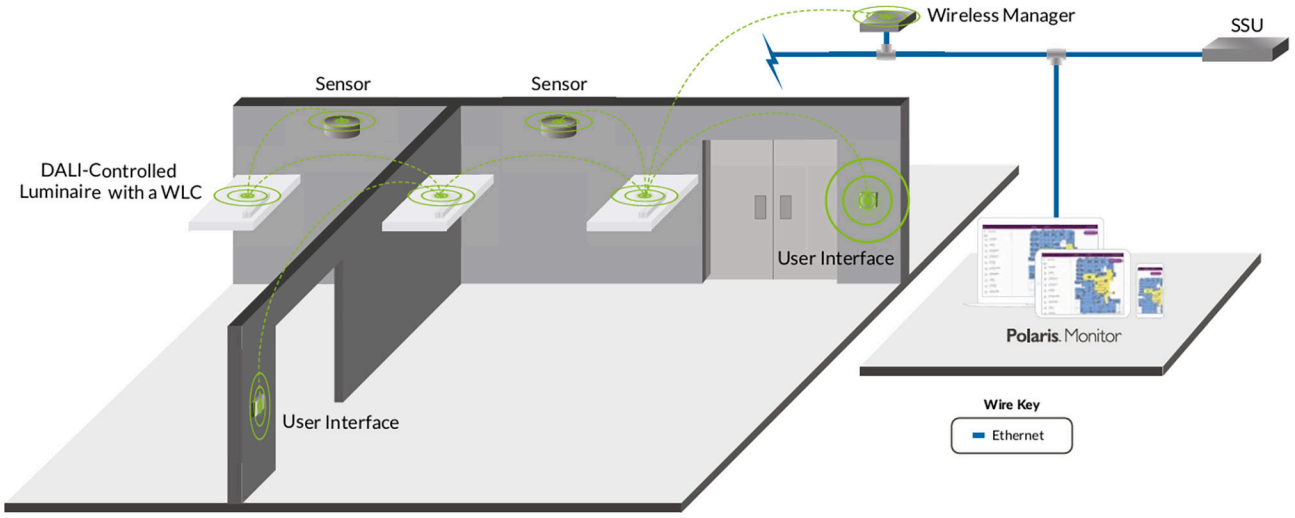


WIRING DIAGRAM



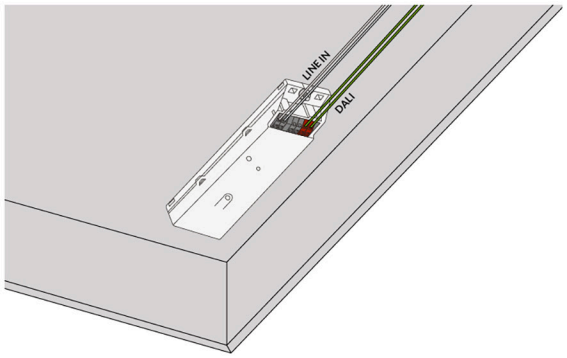
WIRELESS SYSTEM OVERVIEW

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

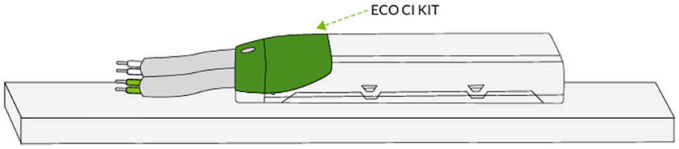


MOUNTING OPTIONS

LUMINAIRE INTEGRATION



INDEPENDENT CEILING INTEGRATION



ORDERING INFORMATION

Catalog #		Description	Communication Network / Notes
☐	ZIGBEE-DALI-CON-LI	Wireless Luminaire Controller	Wireless
☐	ECO CI KIT	Independent Ceiling Integration House for WLC	The ECO CI KIT is sold separately and required for independent ceiling mount installations only.

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