LUMINAIRE CONTROL MODULE

EN-ILCM-1R10V-GB2-BK

Luminaire or Junction Box Mount

GreenBus Wired Communication

Single 0-10V dimming output, capable of sinking 10mA

Damp rated model available

DESCRIPTION

The Wired Luminaire Control Module (LCM) is a 0-10V luminaire level load controller with an internal relay capable of switching AC loads. Similar to other GreenBus devices, the LCM receives power and communication from the Wired Manager. The device is configured to meet the lighting control strategies using the Wattstopper PLUS System.

A damp-rated LCM is available for installations in interior locations subject to moderate degrees of moisture. Examples of this type of environment may include basements, above-ground parking garages, barns, and cold-storage warehouses as well as partially protected locations under canopies, marquees, and open-roofed porches.

FEATURES

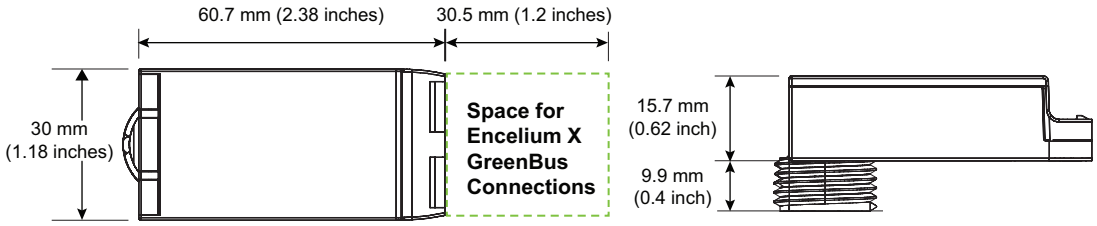
- Self-contained relay switches AC loads
- Single 0-10V dimming line capable of sinking 10mA
- Designed to mount in a standard PG-7 (0.5 inch) trade-size knockout in luminaires or junction box
- Adjusts light levels to respond to variable lighting requirements
- Enables scheduling luminaire group operation to lower energy use during off-peak occupancy
- Customizing lighting scenes for tailored experiences/tasks

SPECIFICATIONS

- Voltage: 22.5V, supplied by GreenBus
- Load requirements: not to exceed 4.5A, 120 to 480 VAC, Ballast/LED Driver, Tungsten, Resistive, General Purpose
- Maximum 5 luminaires per LCM
- Class 2 0-10V Dimming Output; Maximum wire length: 30 m (100 ft), Class 2 only.
- Operating Temperature: -40° to 140°F (-40° to 60°C)
- Weight: 65 g (2.3 oz)
- Certifications
  - UL 2043 Plenum Rated, ROHS Compliant
  - UL/CUL listed under UL916. These models are all Complementary Listed to “Emergency Lighting Equipment”, (UL924) intended for Indoor Locations.
  - FCC Part 15/ICES-003
  - Complies with Electromagnetic Compatibility (EMC) Standards: EN 61000-4-2 EN 61000-4-4, EN 61000-4-5
- 5 year warranty

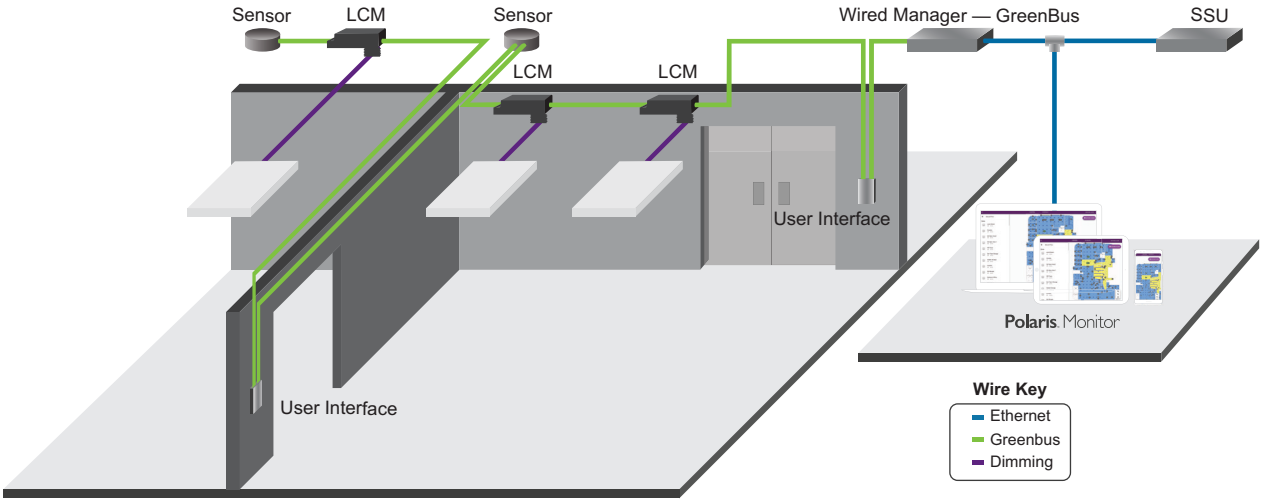
PROJECT		LOCATION/ TYPE	

DIMENSIONS



SYSTEM OVERVIEW

GreenBus technology makes wiring fast and error-free, since it's intuitive to install.

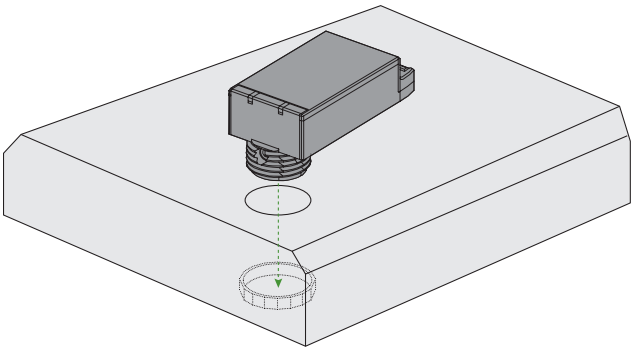


MOUNTING OPTIONS

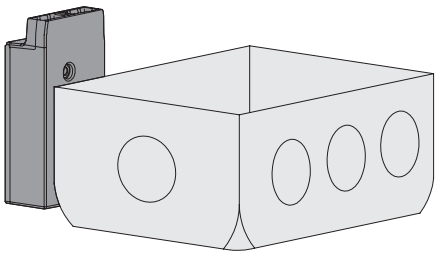
The mechanical construction allows for simple installation of the ALC to an available PG-7 (0.5 inch) trade-size knockout on the side or on top of a luminaire. GreenBus communication wiring is still accessible from the outside of the luminaire, while all necessary wiring to the electronic dimming ballast/LED driver is available on the inside.

For some installations, a junction box may be required. Legrand recommends securely mounting the ALC to the junction box using an available PG-7 (0.5 inch) trade-size knockout.

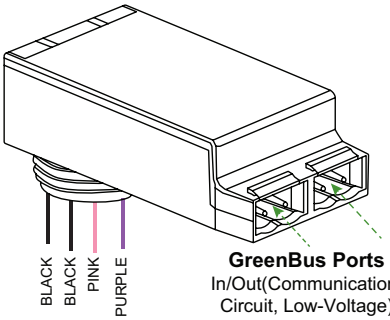
Luminaire Mount



Junction Box Mount



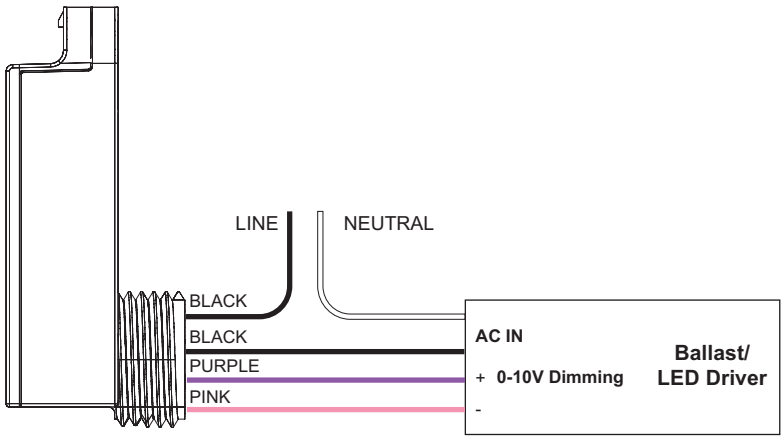
WIRING



Relay Contact
(Line Voltage)
Switches electronic ballasts;

Dimming Interface
(Class 2, Low-Voltage)
Controls 0-10V electronic dimming ballasts

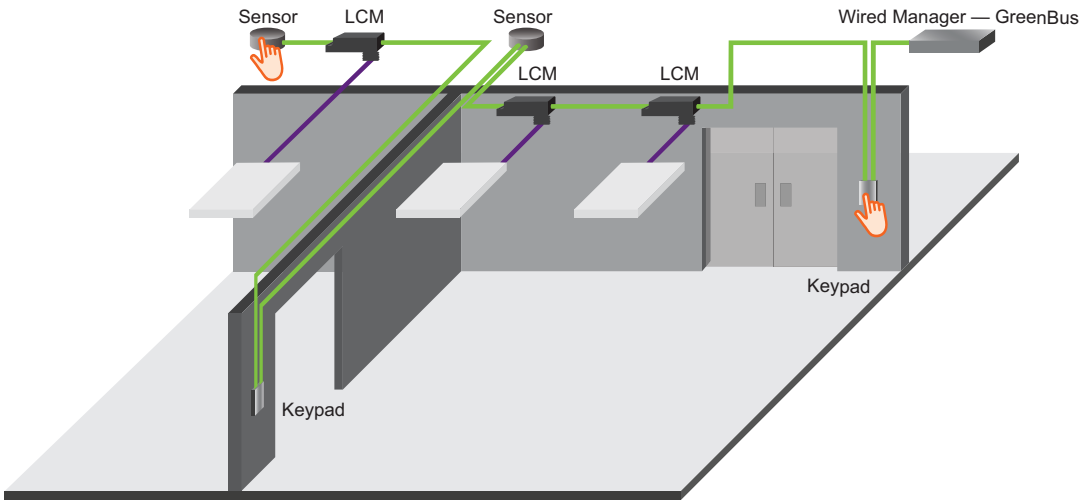
Control & Power Wires



NOTE: Recommended relay switching capacity 120-347V, 300W max.

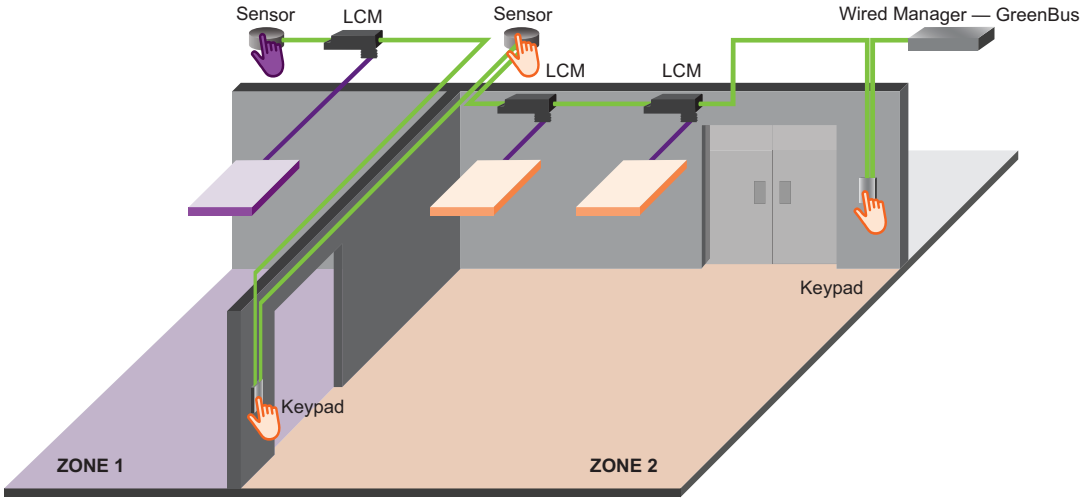
INSTALLATION TESTING

If a GreenBus Manager has not been previously commissioned, installers can quickly test if the devices have been wired correctly by pressing any button on the wallstation or the sensor which triggers all the load controllers on the channel to change the dimming level by 25%. Every press will trigger this function to enable testing of the AC line wiring, dimming wiring and communication integrity over the GreenBus lines.



MANUAL PAIRING

If a GreenBus Manager has not been previously commissioned, installers can easily pair devices in a room or a zone to gain manual control (on, off and dimming) and occupancy time outs. Holding any buttons on a wallstation or sensor for 10 seconds enters the system in the Manual Pairing mode. The system then guides the user by blinking the load controllers on the GreenBus wiring scheme as a means of identifying and pairing them to the wallstation or sensor.



ORDERING INFORMATION

Catalog #		Description	Communication Network
☐	EN-ILCM-1R10V-GB2-BK	Luminaire Control Module	Wired GreenBus
☐	EN-LCM-1R10V-GB2BKDR	Luminaire Control Module, damp rated	Wired GreenBus

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