# 600W Phase Cut Dimming Controller
E9X-ER6CD or E9X-ER6CD-277

The ILLUMRA 600 W Phase Cut Dimming Controller supports forward or reverse phase dimming.

"The E9X-ER6CD is a phase adaptive line voltage lighting controller that automatically provides reverse or forward phase dimming based on the connected load type. The dimmer makes upgrading to a hybrid lighting system easy, by offering phase-adaptive, line voltage dimming for tungsten, two-wire fluorescent, line-voltage LED, and electronic low-voltage transformer loads (120V only)."

Use as part of a wireless control system to reduce energy consumption or to implement compliance with the latest energy regulations.

- Reverse or forward phase single-channel 600 Watt dimming
- Integrated daylight harvesting control with Photo Inhibit feature
- Easy installation on electrical junction boxes with 1/2 " mounting nipple
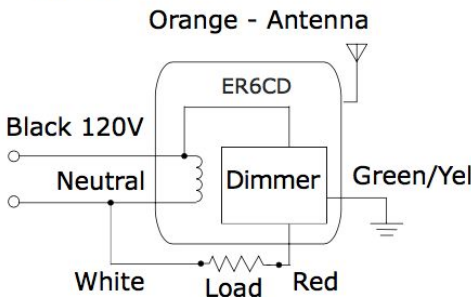- Doubles as a telegram repeater
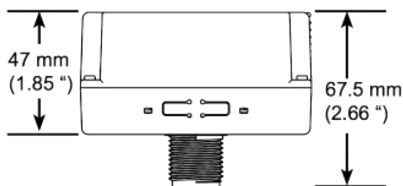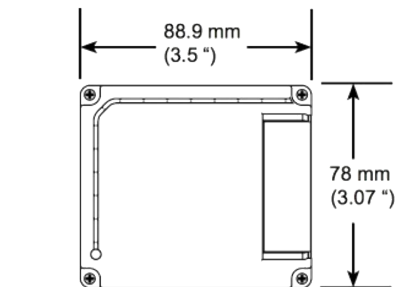
- **Phase adaptive dimming**. Provides reverse or forward dimming based on connected load type.

- **Central Command support**. For BACnet Management System control

- **Interoperable**. Communicates wirelessly with other devices using the EnOcean wireless standard.
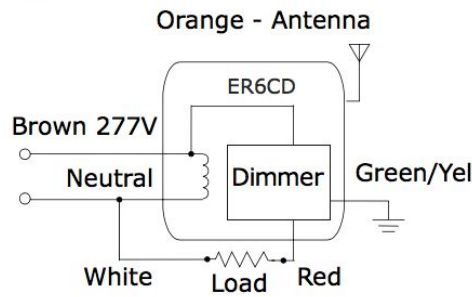

WIRING DIAGRAM

ER6CD-A*-120

ER6CD-A*-277

SPECIFICATIONS

Power Supply	120 VAC (E9X-ER6C) or 277 VAC (E9X-ER6CD-277) @ 50/60Hz
Power Consumption	4.0 W Idle
Output Load Types	Min. 1 W load – Max. 600 W load - Tungsten - 2-wire Fluorescent - Line voltage LED - Electric low voltage transformer (120V only)
RF Communications	EnOcean® Protocol 902 MHz
EEP (EnOcean Equipment Profile)	F6-02-02 (Light and Blinds Control - US/Canada application) A5-06-02 (Light Sensor [range 0 - 1024 lux]) A5-07-01 (Occupancy Sensor) A5-38-08 (Central command, switching, dimming and set point)
Transmission Range	50-150 feet (typical)
Operational Temperature	CSA: 32°F to 104°F (0°C to 40°C) UL: 32°F to 122°F (0°C to 50° C)
Relative Humidity	5% to 95% RH (non-condensing)
Dimensions	3.5 x 3.1 x 1.9 inches (89 x 78 x 47 mm)
Agency Compliance	ETL, UL, FCC, & IC compliant

88.9 mm (3.5 ")
78 mm (3.07 ")
47 mm (1.85 ")
67.5 mm (2.66 ")

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