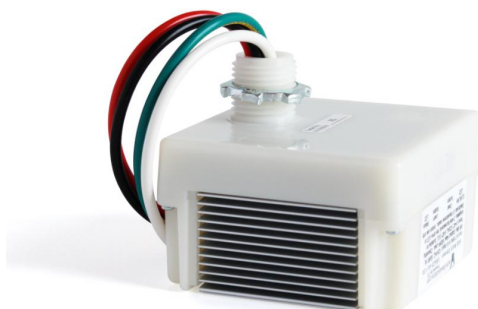




# LED Dimming Controller Phase Cut

The ILLUMRA Phase Cut Dimming Controller is a single channel line-voltage controller that allows lights to be dimmed using forward or reverse phase. ILLUMRA self-powered switches, occupancy sensors, light sensors, and gateways help implement power saving strategies.

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



- Phase Adaptive Dimming control up to 600W LED load.
- Forward Phase and Reverse Phase types supported
- Interoperable with other 902MHz EnOcean devices
- K.O. mounting.



## Applications



Retrofitting



New Construction



Classrooms

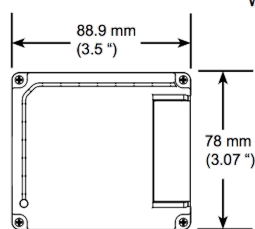
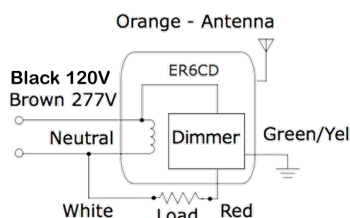


Offices

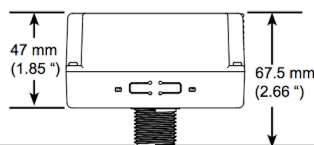


Warehousing

### Power Circuit:



:Dimensions



Technical Spec:	E9X-ER6CD Model
Supply Voltage	120Vac @ 50/60 Hz
Max Load	1W (min) to 600W (max)
Power Consumed	4.0W Idle
Output Types	(Load types) Line-voltage LED (120V only)
Dimming	Leading edge forward phase Trailing edge reverse phase
RF Communications	EnOcean Protocol 902 MHz
Transmission Range	50-150 Feet (16-48M) Typical
Dimensions	3.5" W x 3.07" L x 1.85" P (body) (88.9x78x47mm)
Operating Temp.	UL: +32°F to +122°F (0°C to +50°C) CSA: +32°F to +104°F (0°C to +40°C)
Compliance	ETL, UL, FCC, IC

## Ordering (example: E9X-ER6CD):

E9X	-	E	R	6	CD	-	
E9X = EnOcean 902MHz Transceiver		E = Electronic	R = Phase reversible	6 = 600W Load	CD = Controller Dimmer		Blank = 120Vac input

This device or certain aspects thereof is protected by at least one U.S. or International patent or has at least one such patent application pending



# LED Dimming Controller Phase Cut

## COMPATIBILITY

Name	Model	Uses
Light Switches	E9T-SxAxx	Wireless control of luminaire via branch circuit
Key Card Switch	E9T-C2AWH	Wireless control of luminaire or A/C via branch circuit using guest key
Occupancy Sensor	E9T-OBP	Activation of luminaire or A/C upon occupancy status change
Door/ Window Sensor	E9T-MDCCP	Activation of luminaire or A/C upon a door / window opening or closing
Gateway	E9X-GWBN	Remote setting of luminaire operating parameters, connect as objects to BACnet

## LINKS

[Product Page](#)



E9T-SxAxx

E9T-C2AWH



E9T-OBP

E9T-MDCCP



E9X-GWBN

## BID SPECIFICATION:

### SUBSECTION:

#### 2.4 CONTROLLERS

##### A. Basis of Design: Phase Adaptive Dimmer Controller by ILLUMRA.

1. Model: E9X-ER6CD.
2. Standards Compliance:
  - a. ETL listed. Conform to UL 508A.
  - c. FCC Part 15.231 and IC RSS-210.
3. Mechanical:
  - a. Mounting: To a 1/2 inch (13 mm) electrical junction box knockout using a threaded nipple and retaining nut.
  - b. Learn and Clear Buttons: For manual linking of stations and sensors.
  - c. Two LED Indicators: Display power/operational mode and linked status.
4. Electrical:
  - a. Controller Model E9X-ER6CD Input Power: 600 W, 120 VAC, 60 Hz.
    - 1) Fully Rated Line Voltage Dimming Power: 600 W at 120 VAC.
  - b. Phase adaptive dimming: Forward or Reverse Phase Dimming:
    - 1) Line voltage LED loads (120VAC only)
  - c. Radio: 902 MHz EnOcean. Other frequency radios are not acceptable.
  - d. Radio Range: Commercial Office Space: 80 ft (24 m).
5. Functional:
  - a. Line voltage dimming control for individual light fixture or lighting zone.
  - b. Sense forward or reverse phase loads and adjust automatically.
    - 1) Manual or software changing dimming phase are not acceptable.
    - 2) Lock output phase control into forward phase or reverse phase.
  - c. Support wireless ILLUMRA switches and sensors for dimming control.
  - d. Resettable to factory defaults.