



# Fixture Controller 5A 0-10v Dimming

The ILLUMRA 5A Dimming Controller switches line-voltage loads and adjusts 0-10V dimming levels. It is compatible with ILLUMRA self-powered switches, occupancy sensors, light sensors, and gateways.

Use as part of a wireless control system to easily reduce energy consumption and comply with the latest energy regulations, with reduced installation time and expense.



- 0-10V Dimming control for individual LED fixtures
- < 0.5W standby power
- Link directly with switches or sensors (gateway not required)
- Install inside a junction box or through knockout
- Flexible timer config options



## Applications



Retrofitting



New Construction



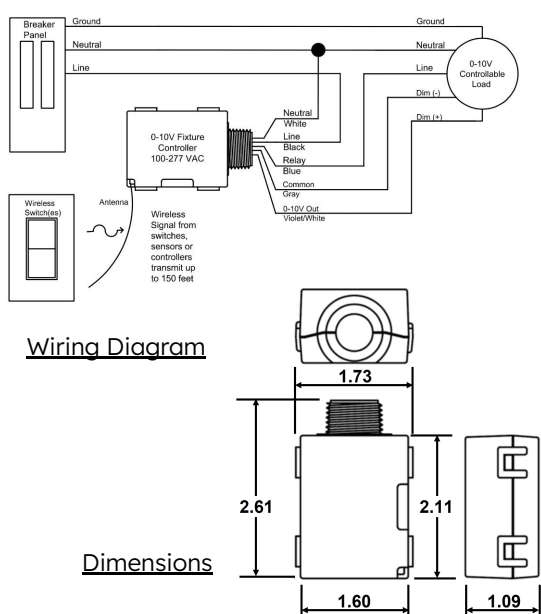
Classrooms



Offices



Warehousing



Technical Spec:	E9X-DUV-10VTP-FX
Supply Voltage	100-277 VAC 50/60 Hz
Max Load	5A (LED, 1/4 HP motor, others) 70A Max Inrush Current
Dimming	0-10V sink 100mA 0-10V source 1mA
RF Communications	EnOcean Protocol 902 MHz
Transmission Range	50-150+ feet (16-50 m) Typical
Dimensions	2.61" x 1.73" x 1.09" (66x44x28mm)
Operating Temp.	-4°F to +140°F (-20°C to +60°C)
Storage Temp.	-4°F to +176°F (-20°C to +80°C)
Compliance	UL 60730 (safety) UL 2043 (plenum) CSA c22.2#14-05 (safety) FCC ID: SZV-STM300U IC ID: 5713A-STM300U

## Ordering (example: E9X-DUV-10VTP-FX)

E9X	-	D	UV	-	10V	TP	-FX
E9X=EnOcean 902 MHz Controller		D=Dimming*	UV=Universal Voltage		10V=0-10V dimming	TP= Threaded mount, Polymer body	FX= Fixture level

\*On / Off styles available, Contact Illumra for info.

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



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## COMPATIBILITY

Name	Model	Uses
Light Switch	E9T-SxAxx	Wireless control of luminaire via wireless switch
Key Card Switch	E9T-C2AWH	Wireless control of luminaire or A/C via branch circuit using guest key
Occupancy Sensor	E9T-OBP	Maximize energy efficiency turning on lights only when needed
Door/ Window Sensor	E9T-MDCCP	Activate 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:

### 2.4 CONTROLLERS

#### A. Basis of Design: E9X-DUV-10VTP-FX LED Zone Controller by ILLUMRA

1. Standards Compliance:
  - a. UL 60730 (safety), UL 2043 (plenum), Certified to CAN/CSA C22.2#14-5 (safety) Intertek listed.
  - b. FCC Part 15.231, IC RSS-210
2. Model E9X-DUV-10VTP-FX:
  - a. Mounting: To 1/2 inch (13 mm) electrical junction box knockout using threaded nipple and retaining nut. Wires exit enclosure through threaded nipple.
3. Electrical:
  - a. Supply Voltage: 120-277 VAC, 50/60 Hz.
  - b. Relay Output: Single, non-isolated latching SPST relay.
    - 1) Electronic or LED Driver Loads: 5 Amps resistive at 120-277 VAC.
    - 2) Motor Loads: 1/4 HP
  - c. Inrush current of 70 A max.
  - d. Low voltage dimming (0-10VDC at 100mA sinking current, 0-10VDC at 1mA sourcing current) for LED drivers and dimming ballasts
  - e. Radio: 902 MHz EnOcean. Other frequency radios are not acceptable.
  - f. Radio Range: Commercial Office Space: 50 ft (16 m). Open Space: 150 ft (50 m).
4. Functional:
  - a. Switching and/or low voltage dimming control for individual light fixtures.
  - b. Wireless ILLUMRA switches and sensors for relay control.
    - 1) Link 25 wireless devices in any combination of ILLUMRA switches, sensors, interfaces, or gateways.
  - c. Single or dual-hop wireless signal repeating to other controllers.
  - d. Central Command functions for use with integrated control systems.
  - e. Demand Response commands providing a temporary ceiling to maximum dimming output level.
  - f. Commissioning and linking through software and/or mechanical means.
  - g. Configuration variables that allow customization of controller's operation with linked sensors, switches, interfaces, and gateways.
  - h. Reporting relay and low voltage channel status wirelessly.
  - i. Save configuration settings and linked device details in non-volatile memory.
    - 1) Save user-defined configuration settings and linked devices as recoverable default settings.
  - j. Provide method of resetting to factory defaults.