



# Area Controller 20A 0-10V Dimming

The ILLUMRA 20A 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.



- Dimming control for grouped LED fixtures up to 20A load
- < 0.5W standby power
- Link directly with switches or sensors (gateway not required)
- Install inside a junction box or through knockout
- Saves user settings as defaults



## Applications



Retrofitting



New Construction



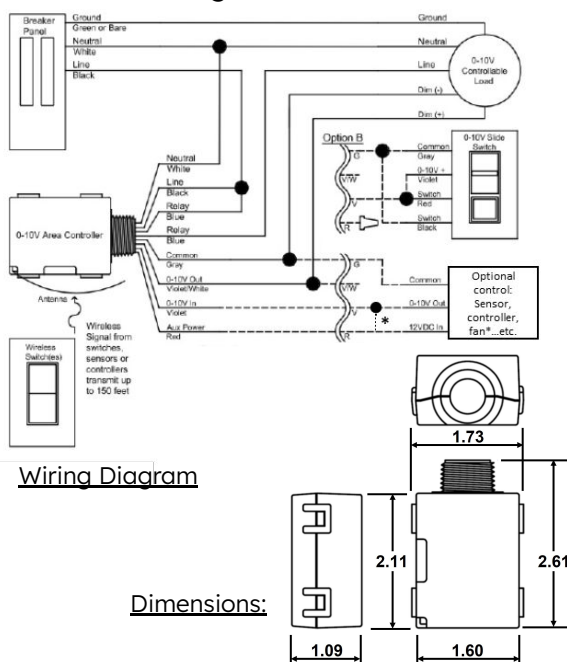
Classrooms



Offices



Warehousing



Technical Spec:	E9X-DUV-10VTP Model
Supply Voltage	100-277 VAC 50/60 Hz
Max Load	20A (LED, 1 HP motor, Others) 160A Max Inrush Current
Dimming	0-10V sink 100mA 0-10V source 1mA or 50mA shunted
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 +122°F (-20°C to +50°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):

E9X	-	D	UV	-	10VTP
E9X=EnOcean 902 MHz Controller		D=Dimming*	UV=Universal Voltage		10VTP=0-10V Dimming, 4 Wire, Threaded Mount, Polymer Body

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

\*\* Additional Amperages available, Contact Illumra for information

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 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: E9X-DUV-10VTP LED Fixture Controller by ILLUMRA
    1. Standards Compliance:
      - a. UL 60730 (safety), UL 2043 (plenum), Certified to CAN/CSA C5A22.2#14-5 (safety) UL listed.
      - b. FCC Part 15.231 and IC RSS-210
    2. Electrical:
      - a. Supply Voltage: 120/240/277 VAC, 50/60 Hz.
      - b. Relay Output: Single, isolated latching SPST relay.
        - 1) Electronic or LED Driver Loads: 20 Amps resistive at 120/240/277 VAC.
        - 2) Motor Loads: 1 HP
      - c. Inrush current of 160 A max at 277 VAC
      - d. Low Voltage Dimming (0-10 VDC at 100mA sinking current): For LED drivers and dimming ballasts.
      - e. 0-10V Source 1mA
      - f. Radio: 902 MHz EnOcean. Other frequency radios are not acceptable.
      - g. Radio Range: Commercial Office Space: 50 ft (16 m). Open Space: 150 ft (50 m).
    3. Functional:
      - a. Switching and/or low voltage dimming control for individual light fixtures or lighting zones.
      - b. Wireless ILLUMRA switches and sensors for relay control.
        - 1) Link 25 wireless devices in any combination of ILLUMRA EnOcean stations, sensors, interfaces, or gateways.
      - c. Single or dual-hop wireless signal repeating to other controllers.
      - d. Demand Response commands providing a temporary ceiling to maximum dimming output level.
      - e. Commissioning and linking through software and/or mechanical means.
      - f. Configuration variables that allow customization of controller's operation with linked sensors, switches, interfaces, and gateways.
      - g. Reporting relay and low voltage channel status wirelessly.
      - h. 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.