



## Area Controller 20A On/Off

The ILLUMRA 20A On/Off Controller switches line-voltage loads On or Off based on wireless signals from 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.



- On/Off control of any 20A load such as lights, fans, pumps, etc.
- Save installation time & cost
- Link directly with switches or sensors (gateway not required)
- Isolated output (dry contact): can switch an alternate circuit
- Install inside a junction box or through a knockout



### Applications



Retrofitting



New Construction



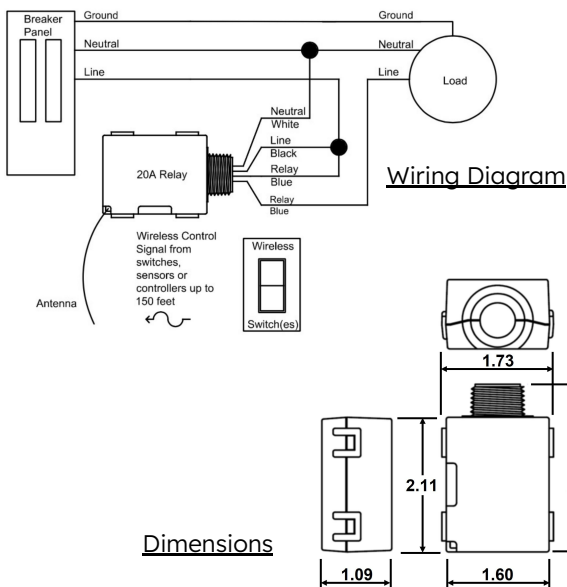
Classrooms



Offices



Warehousing



Technical Spec:	E9X-RUV-4IBTP Model
Supply Voltage	100-277 VAC 50/60 Hz
Max Load	20A (LED, Fluorescent, 1 HP Motor, etc) 160A Max Inrush Current
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-RUV-4IBTP):

E9X	-	R	UV	-	4IBTP
E9X=EnOcean 902 MHz Controller		R=On/Off Relay*	UV=Universal Voltage		4IBTP=4 Wire Isolated Relay threaded plastic enclosure

\*Dimming 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



## Area Controller 20A On/Off

### COMPATIBILITY

Name	Model	Uses
Light Switches	E9T-SxAxx	Wireless control of luminaire via single or dual rocker switch.
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:

#### 2.4 CONTROLLERS

##### A. Basis of Design: E9X-RUV-4IBTP LED Fixture, Fan & Thermostat Controller by ILLUMRA

1. Standards Compliance:
  - a. UL 60730 (safety), UL 2043 (plenum), Certified to CAN/CSA C5Ac22.2#14-5 (safety)
  - b. FCC Part 15.231 and IC: RSS-210
2. Model E9X-RUV-4IBTP:
  - 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: 100-277 VAC, 50/60 Hz.
  - b. Relay Output: Single, isolated, latching SPST relay.
    - 1) Electronic or LED Driver Loads: 20 Amps resistive at 100-277 VAC.
    - 2) Motor Loads: 1 HP.
  - c. Inrush current of 160 A max at 277 VAC.
  - d. Radio: 902 MHz EnOcean. Other frequency radios are not acceptable.
  - e. Radio Range: Commercial Office Space: 50 ft (16 m). Open Space: 150 ft (50 m).
4. Functional:
  - a. Switching for on/off control of individual or a group of light fixtures, fans, motors, thermostats.
  - b. Wireless ILLUMRA switches and sensors for relay control.
    - 1) Link 25 wireless devices in any combination of ILLUMRA switches, sensors or gateways.
  - c. Single or dual-hop wireless signal repeating to other controllers.
  - d. Central Command functions for use with integrated control systems.
  - e. Commissioning and linking through software and/or mechanical means.
  - f. Configuration variables that allow customization of controller's operation with linked sensors, switches and gateways.
  - g. Reporting relay and low voltage channel status wirelessly.
  - h. Save configuration settings and linked device details in non-volatile memory.
  - i. Save user-defined configuration settings and linked devices as recoverable default settings.
  - j. Provide method of resetting to factory defaults.