Wireless load controllers

20 A area and 5 A fixture controllers that receive wireless switches and sensors

Made by ILLUMRA™ Self-Powered Wireless Controls

Controllers are where the load connects. Each one listens for up to 25 linked switches and sensors, switches or dims its circuit, and can repeat signals to stretch range. Area controllers handle full 20 A circuits; fixture controllers fit inside a single luminaire. Specialty models cover phase dimming, LED tape, plug loads and HVAC setback.

20 A
full-circuit switching

25
linked inputs per controller

< 0.5 W
standby power

Features

- Full 20 A circuit switching, 160 A inrush, 1 hp (area controllers)
- 0-10V dimming with adjustable dimming curve and high/low-end trim
- Receives up to 25 switch or sensor signals
- Built-in repeater: about 150 ft per hop, up to two hops
- Relay arc suppression; < 0.5 W standby
- Scene modes, daylight harvesting, load shedding
- BACnet compatible through a gateway; scan-and-link app commissioning
- UL 60730, UL 2043 plenum, CSA C22.2 #14


E9X area controller


Fixture controller


Bluetooth controller

Specifications

Specification	E9X-DUV-10VTP	E9X-RUV-4IBTP
Function	0-10V dimming area controller	On/off area controller, dry-contact capable
Supply	100–277 V AC, 50/60 Hz	100–277 V AC
Load	20 A all loads, 160 A inrush, 1 hp	20 A all loads, 1 hp
Inputs	Up to 25 switches / sensors	Up to 25 switches / sensors
Radio	902 MHz EnOcean	902 MHz EnOcean
Range / repeater	50–150 ft typical; repeater function	Up to 150 ft; repeater function
Standby power	< 0.5 W	< 0.5 W

Specification	E9X-DUV-10VTP	E9X-RUV-4IBTP
Dimensions	2.11 × 1.73 × 1.09 in (54 × 44 × 28 mm)	2.11 × 1.73 × 1.09 in (54 × 44 × 28 mm)
Operating temperature	32 °F to 122 °F (0 to 50 °C)	32 °F to 122 °F (0 to 50 °C)
Storage temperature	-4 °F to 176 °F	-4 °F to 176 °F
Listings	UL 60730, UL 2043, CSA C22.2 #14-05, CE; FCC SZV-STM300U	UL 60730, UL 2043, CSA C22.2 #14-05, CE; FCC SZV-STM300U

Ordering information

Model	Description
E9X-DUV-10VTP	20 A 0-10V dimming area controller
E9X-RUV-4IBTP	20 A on/off area controller
E9X-DUV-10VTP-FX	5 A 0-10V fixture controller
E9X-RUV-3HOTP	5 A on/off fixture controller
E9X-ER6CD	600 W phase-cut dimmer
E9X-D02FL	Constant-voltage PWM controller for LED tape
E9X-ERNR	Split duplex switched receptacle
BTT-R12-GP	Bluetooth wall plug controller
BTX-DUV-10VFX	Bluetooth mesh 0-10V power pack
E9X-CUV	Control transmitter
E9X-HSM-2	HVAC setback module

Applications

- Re-zoning without rewiring
- Classrooms, offices, conference rooms
- Plug-load control
- Hotel HVAC setback with key card

Application notes

- Area controllers suit daisy-chained zones; fixture controllers give per-fixture control with no inter-fixture wiring.
- E9X-RUV-4IBTP's isolated relay can interrupt a thermostat circuit for window/door HVAC interlocks.

Data from ILLUMRA data sheets E9X-DUV-10VTP (AHD0566C), E9X-RUV-4IBTP (AHD0578B); distributor listings. Energio Sensors products are manufactured by ILLUMRA and specified, sold and supported in North America by Energio Brands. Specifications are subject to change; confirm against the manufacturer's current data before submittal. Product images courtesy of the manufacturer. All trademarks belong to their respective owners.