Go ILLUMRA

Go Wireless

ILLUMRA™
SELF-POWERED WIRELESS CONTROLS

No Wires
No Batteries
No Limits

Self-Powered & Wireless

Wireless switches and sensors are powered by kinetic and solar energy and do not require wiring.

Fast Installation

Avoid disrupting business operations by installing controls quickly during off hours.

Easy Configuration

Android & iOS app available for adjusting lighting control behavior.

Flexible Integration

Wireless Internet of Things

ILLUMRA provides wireless solutions for EnOcean, Zigbee, and Bluetooth powered IoT systems.

Building Management System Integration

Easy integration with your building management system using BACnet protocol.

About ILLUMRA

At ILLUMRA, we engineer and manufacture wireless controls for lighting and other electrical systems. Given that many people are less familiar with wireless controls, we provide superior support throughout the installation process and onwards.

Our wireless controls systems support compatibility with California Title 24 and ease the transition to greener, energy-saving lighting controls systems. Our products make any changes or updates to control systems easier to install and more flexible to adjust. Our goal is to engineer exceptional control solutions that foster trust and allow flexibility in configuration.

We strive to create an environment where our partners are empowered with the technology to optimize their world. We feel that conscious, careful communication is vital for working together, that transparency and passionate listening empowers us to implement the best solutions. Ultimately, we believe in providing total solutions that can stand the test of time.

ILLUMRA is a leading North American supplier of lighting control and energy management systems, and an EPA Energy Star Partner.

ILLUMRA provides wireless HVAC and lighting controls for commercial buildings, residential multi-unit dwellings, office buildings, dormitory and campus settings and other conventional and specialized applications.

Code Compliance

Our control systems ease the process of updating controls to comply with changes in energy code.

Energy Harvesting

Flexible integration of energy harvesting technologies.

Daylight sensors and occupancy sensors are designed to save energy by turning down lights automatically.

Save Time.
Save Energy.
Save Money.

Energy Savings

Businesses can reduce annual energy costs by 20% with updated controls.

Unique Applications

Wireless controls install in places where wired controls cannot, creating new opportunities for saving.

enocean alliance
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ZigBee Member

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ENERGY STAR PARTNER

Wireless Energy Control Solutions

San Diego Convention Center

LED fixtures paired with an ILLUMRA lighting control system

An iconic facility that hosts events which bring tens of thousands of visitors and tremendous economic benefits to the city.

Important considerations for this project:

Reliability
Light System Failure is not an option
- Custom ILLUMRA system provides 4 levels of redundancy to ensure the lights will work in the most difficult circumstances.
- Manual dimming sliders provide additional backup in case of network failure.

Speedy Installation
Installation can't interfere with scheduled events
- To accelerate the installation process, all fixtures were pre-configured and labeled for a specific location ID and worked with the system immediately upon connection in their final location.
- During installation, the "Scan and Link" remote commissioning system allowed the facility to make changes as needed from the ground without physically accessing the controllers mounted on the ceiling fixtures .
- ILLUMRA wireless lighting control system allowed new fixtures to be installed within time constraints with no downtime.

Flexibility
Flexible control access in the facility
- Custom user interface allows scene setting and individual control of fixtures.
- Wireless tablet control interface allows customization of lighting from the show floor.
- Additional handheld wireless switches allow for scene changes in individual zones by show organizers.

Learn more about this project

Single Rocker Switch
self-powered
E9T-S1Axx   ZBT- S1Axx   BTT-S1Axx
xx=WH, LA, IV, GY, BR, BK

Dual Rocker Switch
self-powered
E9T-S2Axx   ZBT- S2Axx   BTT-S2Axx
xx=WH, LA, IV, GY, BR, BK

Key Card Switch
self-powered
E9T-C2AWH
ZBT-C2AWH
BTT-C2AWH

Handheld Remote
self-powered
E9T-S2Hxx
ZBT-S2Hxx
BTT-S2Hxx
xx=WH, BK

Single Rocker European Switch
self-powered
E9T-S1Exx
ZBT-S1Exx
BTT-S1Exx
xx=WH, BK

Double Rocker European Switch
self-powered
E9T-S2Exx
ZBT-S2Exx
BTT-S2Exx
xx=WH, BK

Occupancy Sensor
solar powered
E9T-OSW (wall mount)
E9T-OSC (ceiling mount)
E9T-OSH (high bay ceiling mount)

Window/Door Sensor
solar powered
E9T-MDCCP
E9T-DWS (w/ battery-backup)

Daylighting Sensor
solar powered
E9T-LLS

Temperature Sensor
solar powered
E9T-RTS
E9T-IDS-NOD (w/ battery backup)

Control Transmitter
100-277 VAC
E9X-CUV

Temperature & Humidity Sensor
solar powered
E9T-THS

5A On/Off Fixture Controller
100-277 VAC
E9X-RUV-3HOTP
ZBX-RUV-FX

20A On/Off Area Controller
100-277 VAC
E9X-RUV-4IBTP
ZBX-RUV

5A 0-10V Dimming Fixture Controller
100-277 VAC
E9X-DUV-10VTP-FX
ZBX-DUV-FX

20A 0-10V Dimming Area Controller
100-277 VAC
E9X-DUV-10VTP
ZBX-DUV

8 Channel Low Voltage Controller
8-30 VDC
E9R-R04FP-8

600W Phase-Cut Dimming Controller
120 VAC
E9X-ER6CD

Constant Voltage PWM Dimming Controller
12-30 VDC
E9X-D02FL (wireless)
NWO-D02FL (0-10V controlled)

HVAC Setback Module
9-30 VAC / 12-40 VDC
E9X-HSM

Industrial Wireless Controller
8-28 VAC / 8-30 VDC
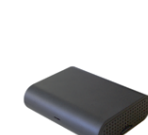XBX-CTRFP-44

Plug-in Controller
120 VAC
E9X-R12GP

Wireless Valve Actuator
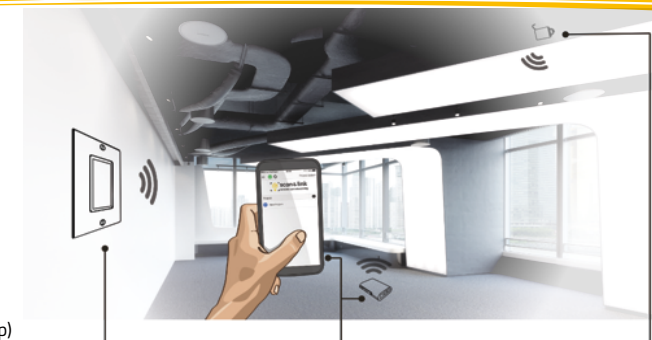E9X-VAVEH (energy harvesting)
E9X-VAVTP (battery powered)

BACnet Gateway
24 VAC/VDC
E9X-GW2-E10-00

Mobile App Gateway
USB Powered
E9X-GWRC

902MHz enocean®
zigbee
Bluetooth®

Wireless sensors and switches send signals to controllers

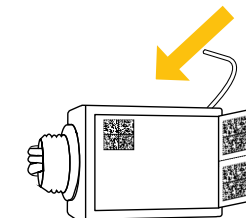**Scan & Link Remote Commissioning System** allows remote access and control through an **app** and **gateway**

Controllers are installed into the lighting system and respond to signals from switches and sensors

scan & link remote commissioning

The Scan & Link Remote Commissioning App is designed to support the installation of wireless controls from the planning phase to the completion of a project.

- Access and control ILLUMRA wireless controls from your smartphone
- Connect to wireless controls by scanning a code, remote linking, discovering connected devices and more.
- App remembers your devices and lets you adjust behavior at any time.
- Runs on iOS and Android mobile devices and computers. Mobile App Gateway required.

Every ILLUMRA device comes with a unique ID that can be accessed by scanning a code with the Scan & Link app.

Tear off scannable stickers and attach to your project plans to easily access the device again after installation.

Custom Engineering Solutions

Remote Commissioning System