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EnOcean Wireless 20A Relay ❯

The EnOcean Wireless 20A Relay uses wireless technology to communicate with other wireless, self-powered components

The compact size enables flexible installation inside of or next to electrical boxes and fixtures so the EnOcean Wireless 20A Relay can be easily wired out of sight using standard wiring practices. This device may be linked directly to other CoreSync wireless devices. Pair to the CoreSync EnOcean Wireless Gateway for full integration with control and monitoring from the CoreSync system.
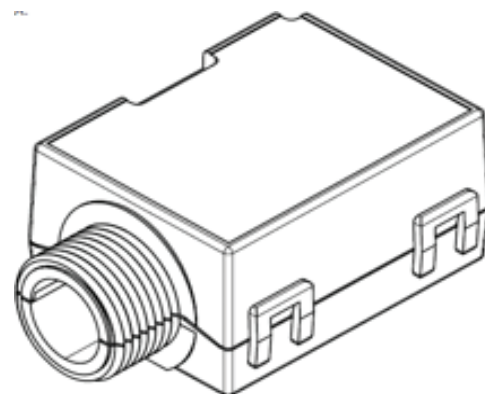
FEATURES & ADVANTAGES

CoreSync Interoperable	Communicates wirelessly with other CoreSync devices. Supports California Title 24 daylight harvesting scenarios via wireless input
120-277VAC voltage range	Allows wireless control of line-voltage lighting fixtures within same CoreSync Network
Daisy Chain capability	Enables wireless dimming of a single fixture or zone of Daisy-Chained fixtures
Compact size	Accommodates mounting positions inside of or next to electrical boxes or fixtures
Surge protection	Provides safe operation exceeding IEC 61000-4-5 installation Class 4
Plug Load Application	High rated amperage to support plug load controls

SPECIFICATIONS

Electrical

Power Supply: 100/277VAC, 50 -60Hz
Maximum Load:
Resistive: 20A @ 100/277VAC
Induction: 20A @ 100/277VAC
Fluorescent: 20A @ 100/277VAC
LED: 20A @ 100/277VAC*
Max Inrush Current: 160A
0-10V Output: Current sinking 100mA (IEC 60929 Annex E) Sourcing 1mA or 50mA (ANSI E1.3-2001 R2011)
Communications:
EnOcean 902MHz & 868MHz
Max Transmission Range:
15.2 m (50 ft) Open air, line of sight
Nominal Transmission Range: 7.62 m (25ft)

Product Safety

Relay Arc Suppression
DO NOT hot swap

Mechanical

Length: 54 mm (2.11 in.)
Height: 44 mm (1.73 in.)
Depth: 28 mm (1.09 in.)
Mounting: Inside non-metallic electrical box or connect to box or fixture using threaded nipple

Environmental

Operating Temp Range:
0° to 50°C (32° to 122°F)

Storage Temperature:
-20° to 80°C (-4° to 176°F)
Relative Humidity: 10-80% Non-Condensing
Environmental Rating: Indoor

Commercial Standards

UL 60730 (safety)
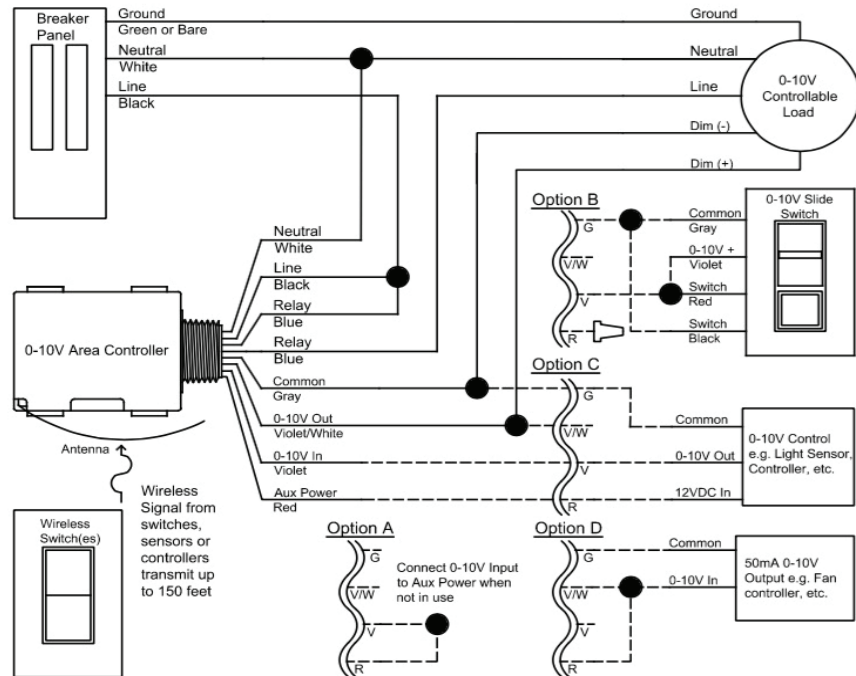**UL 2043 (plenum)**
CSA c22.2#14-05 (safety)
FCC: SZV-STM300U
IC: 5713A-STM300U
CE/UKCA

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WIRING DIAGRAM

DIMENSIONS
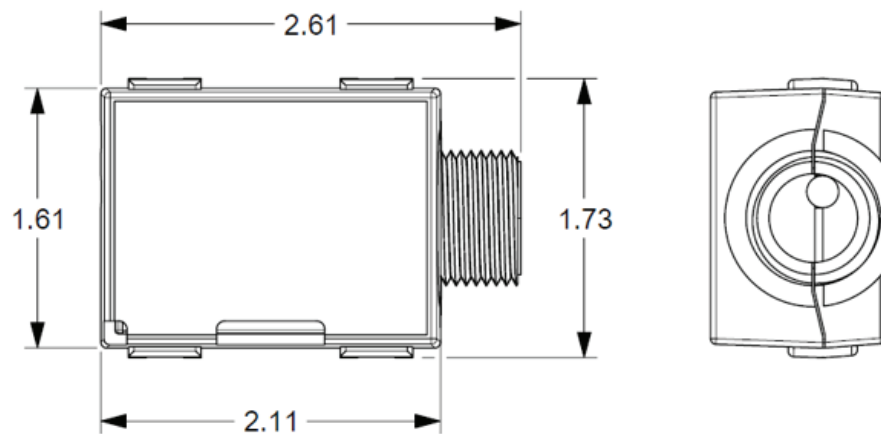
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ORDERING INFORMATION

Order No.	Description
1809970009	EnOcean Wireless 20A Relay 902MHz
1809970109	EnOcean Wireless 20A Relay 868MHz

RELATED PRODUCTS

Order No.	Description
1809933001	EnOcean Gateway 902 MHz
1809933002	EnOcean Gateway 868 MHz

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TYPICAL APPLICATION
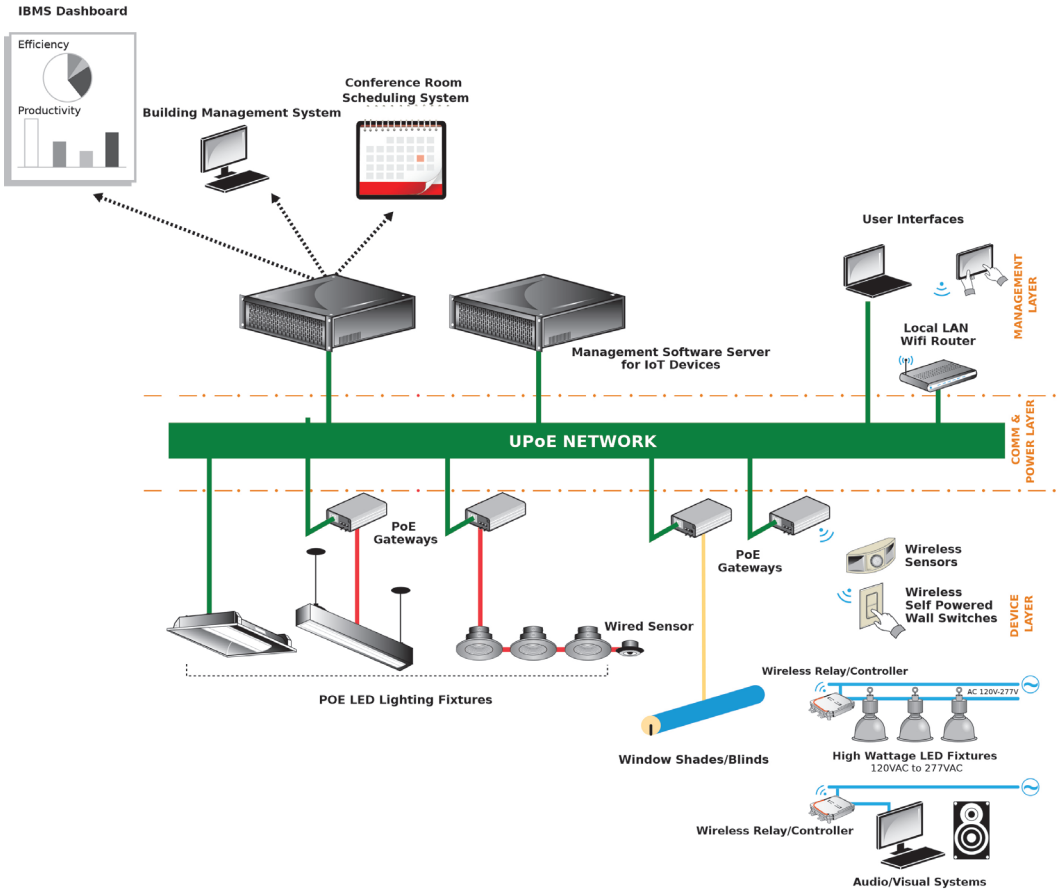
WIRELESS COMMISSIONING

EnOcean based devices will require wireless pairing to the CoreSync EnOcean Wireless Gateway to enable each device to be integrated for control and monitoring with the CoreSync system. This allows for remote network control of lights, sensors, local dimmers, plug loads, and zone controllers. The CoreSync EnOcean Wireless Gateway is fully compliant with Cisco UPoE 60W standards and can connect/control up to 20 devices. Once you obtain the end device wireless ID, use the Molex commissioning tool MoDiag to pair to an available Wireless Gateway.

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