EnOcean Wireless 20A Relay 902MHz/868MHz

molex

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

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INSTALLATION INSTRUCTIONS

IMPORTANT SAFETY INSTRUCTIONS. SAVE THESE INSTRUCTIONS

1. **CAUTION AND WARNING**

    - **CAUTION** – Observe precautions for handling electrostatic sensitive devices.

    - **WARRANTY** – Voided if device has been modified from its original configuration or in the event of hot plug/hot swap.

    - **WARNING** – Risk of Electric Shock. Do not handle energized module with wet hands or when standing on wet or damp surfaces.

    - Do not use outdoors.

    - Suitable for damp locations

    - This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

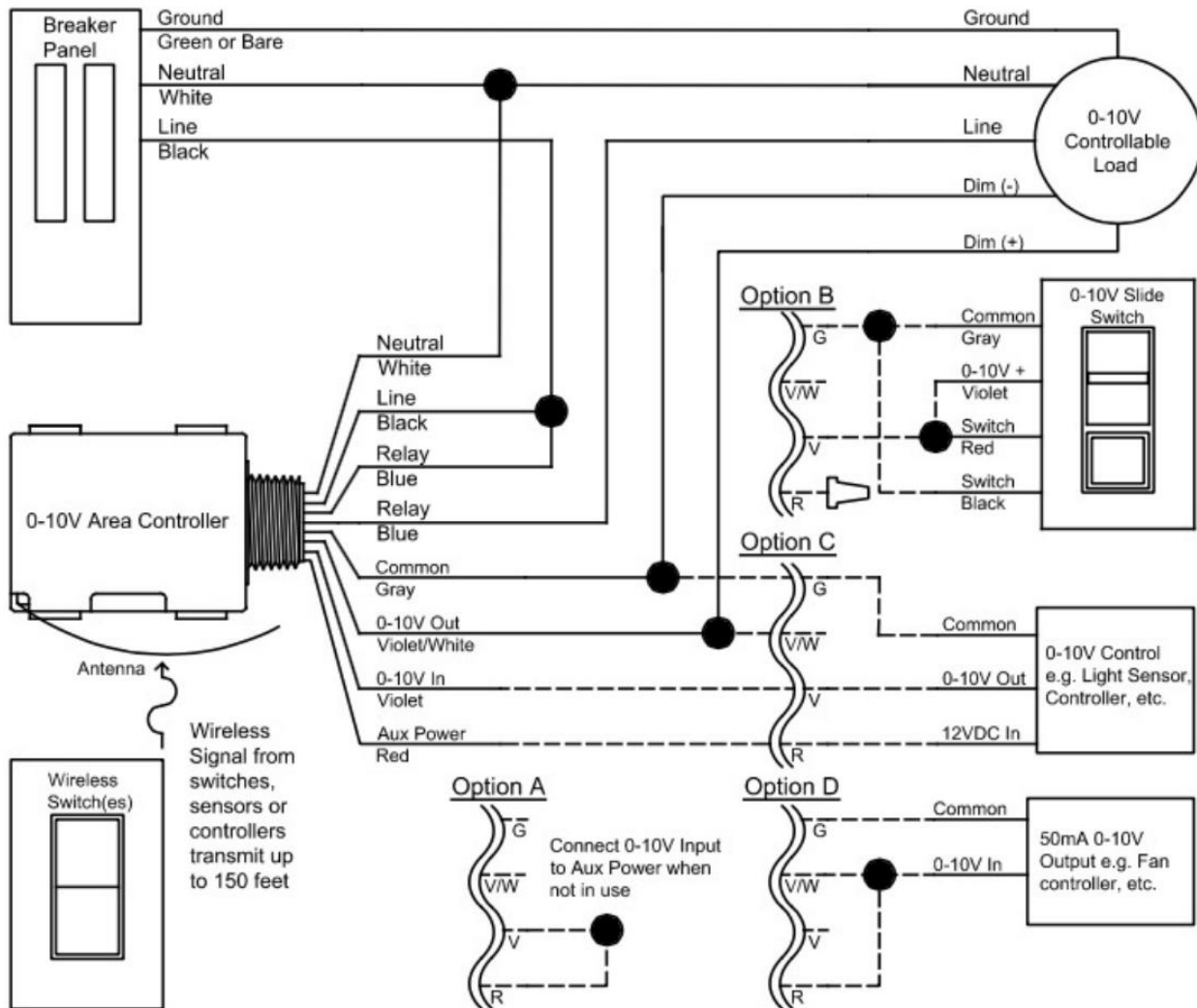   - Maximum temperature is 50°C ambient.

    - Input: AC Voltage

20A RELAY MUST BE INSTALLED BY A CORESYNC CERTIFIED TECHNICIAN OR QUALIFIED ELECTRICIAN
(CHECK WITH LOCAL AND NATIONAL CODES FOR PROPER INSTALLATION)

2. Product Description:

EnOcean wireless 20A LED relay controls any compatible load including LED drivers, fluorescent ballasts, motor controllers, actuators, etc., using wireless signals from self-powered wireless switches, wireless sensors, and/or gateways, etc. The controller is compatible with all 120VAC, 240VAC, or 277VAC circuits.

3. Wiring Diagram

4. **Procedures**

Step 1. PLAN - Identify best mounting locations for receiver and transmitter. Perform range test to confirm operation prior to installation. Switch OFF breaker before making connections.

Step 2. CONNECT - Make connections to the Controller following wiring diagram and local electrical codes. Restore power.

Step 3. TEST - Press SELECT button to toggle output. Hold to dim.

Step 4. LINK Transmitters and Receivers following Linking Instructions below.

5. **OPERATION**

Connect 20A Relay to a CoreSync Wireless Gateway to allow for link with other CoreSync controls - wired, wireless, and/or software based. Use the CoreSync controllers to dim and switch power to loads. Compatible loads include LED and fluorescent lighting, motors, outlets, etc.

6. **LINKING INSTRUCTIONS**

Note: The Controller must be powered on while linking. After linking, the Controller retains all settings in the event of power loss. Link up to 25 devices. Use Simple Linking when connecting to other wireless CoreSync device and use Gateway Pairing via the CoreSync commissioning tool when commissioning with the CoreSync system.

SIMPLE LINKING

Use Simple Link Mode for common applications:

1. HOLD the MENU button until the relay clicks (about 5 seconds), then release. The receiver will toggle a steady pattern indicating Simple Link Mode is active: — — — —
2. TRANSMIT the Link Signal by triple pressing the top button on switches or single pressing the Link (or teach) button on sensors. Relay pauses in ON position for 3 seconds when the link is created, then toggling resumes. Link additional transmitters (up to 25) as needed. (Relay pauses in OFF position for 3 seconds when the link is deleted.)
3. WAIT 30 seconds for Link Mode to exit automatically (toggling stops).

Simple Link Mode operating behavior
- Manual Switch Control (top button ON / bottom button OFF, hold to dim): Link any switch.
- Motion Sense Auto ON / Auto OFF: Link only Occupancy sensors.
- Manual Switch ON / Motion Sense Auto OFF: Link both Occ. Sensors & Switches.
- Window/Door Sensor: Closed ON / Open OFF.
- Key Card Control: Card in ON, Card out OFF
- Control Transmitter: ON and OFF.

- Other Functionality: See instructions on page 5

Commissioning using Wireless Gateway via MoDiag

EnOcean based devices will require wireless pairing with the CoreSync EnOcean Gateway to allow 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 and IEEE 802.3at 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.

For further details please refer to the MoDiag User Guide.

7. ADDITIONAL FUNCTIONS

TEST FUNCTION:
Press and release the SELECT button to toggle Relay ON and OFF. Hold to dim.

SENSOR LINK TEST MODE

After linking, press the Link button on a sensor 6 times to activate the Link Test Mode. Subsequent presses from any linked sensor will cause the relay to toggle confirming the sensor is linked and testing the reliability of wireless communications. Link Test Mode will time out after 60 seconds of no activity.

CLEAR ALL LINKS

1. Activate Simple Link Mode by holding the MENU button until the Controller starts toggling.
2. Hold the SELECT button for 10 seconds to Clear All Links from the Controller.

SELECTIVE LINK DELETION

To remove one Link from Controller and leave others unaffected:
1. HOLD the MENU button to activate Link Mode. The toggling output confirms Link Mode is active.
2. TRANSMIT the Link Signal by triple pressing the top button on switches or single pressing the Link (or teach) button on sensors. Relay pauses in OFF position for 3 seconds when the link is deleted, then toggling resumes.
3. WAIT 30 seconds for Link Mode to exit automatically (toggling stops).

REPEATER MODE

Repeater function is DISABLED by default and may be enabled on specific controllers to extend the range by retransmitting all packets 1 or 2 times. Repeater mode may be changed using Advanced Setup instructions. Transmit - -> Repeater 1x - -> Repeater 2x - -> Receive.

INSTALLATION INSTRUCTIONS

- LEGAL DISCLAIMER -

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