

EOSW-111/112

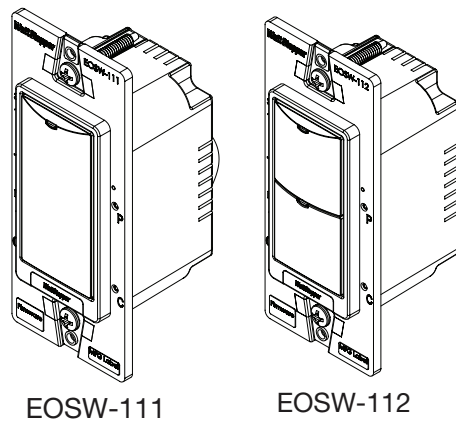
**WattStopper® Wireless
Lighting Control System**

**EOSW Series Wall Switch Receivers
with Neutral**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna. Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

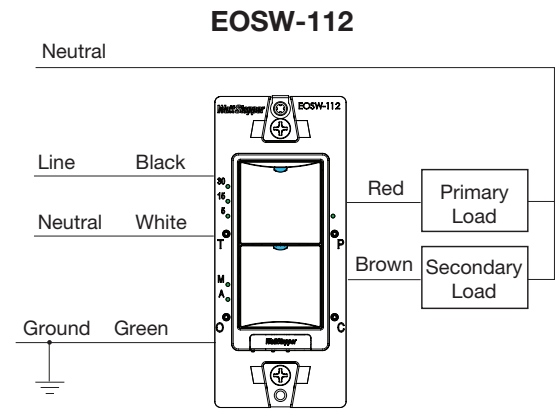
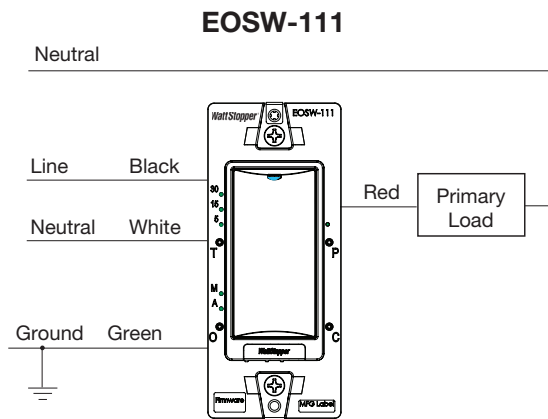
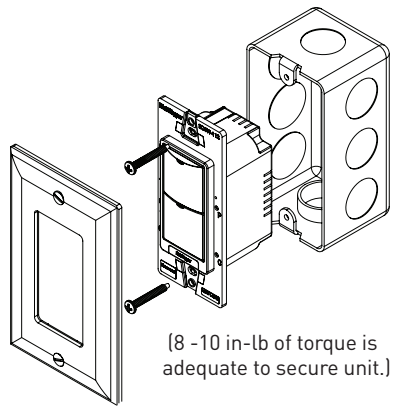


Input Voltage:..... 120/277 VAC, 60 Hz
 Load:800W ballast @120V, 1200W fluorescent @277, 120 VAC/60Hz, 277 VAC/60Hz, LED driver, ELV, MLV, 1/6 HP
 Time delay: 5-30 minute adjustable
 Connection to Wireless Network:..... Receives signals from Wireless Ceiling Sensor (EOPC), Remote Switch (EORS) and Handheld Remote (EOHR) via Radio Frequency
 Environment: For Indoor Use Only
 Operating Temperature32° to 131°F (0° to 55°C)
 Storage Temperature..... 23° to 176°F (-5° to 80°C)
 Relative Humidity.....5 to 95% (non condensing)
 Patent Pending

Quick Start Guide

MOUNTING AND WIRING

After connecting the load and line wires, secure the EOSW to the wallbox using the two screws that are provided. Please, do not force or overtorque unit with torque screw driver. To do so may damage the unit.



OPERATION

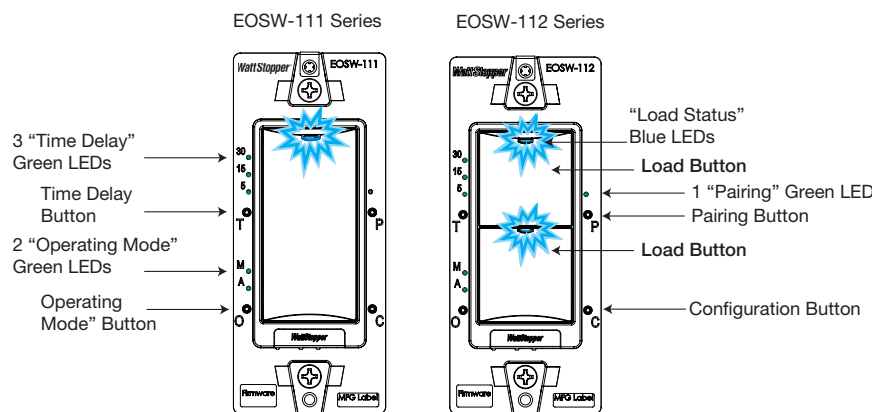
The EOSW-111 and EOSW-112 Wall Switch Receivers are a one or two button switch that replaces a standard wall switch. It is the only wired component of the system. The EOSW receivers receive signals from the Occupancy Sensor (EOPC) via radio frequency once they are paired to the occupancy sensor.

NOTE: Pairing of devices should be done prior to binding and configuring loads. Pairing refers to establishing a link between two or more devices for communication purposes. Binding refers to assigning a load to a specific button on a load controlling device such as an EOSW. Please refer to the EOPC-100 Installation Instructions for PAIRING of sensor to EOSW-111/112 receivers. Please refer to the EORS-10x/EOHR-10x Installation Instructions for PAIRING of the remote or handheld switches to the EOSW-111/112 receivers.

BUTTONS AND LED INDICATORS

Time Delay: Three Green Time Delay LEDs on the left-side of the switch display the selected time delay value of 30, 15 or 5 minutes. When a LED is ON, its corresponded value is active. Each tap of the 'T' button cycles through the values.

Operating Mode: Two Green Operating Mode LEDs display the selected operating mode. Each tap of the 'O' button alternates between "Manual-On (M)" and "Automatic-On (A)".



Load Status: Each Load (Switch) Button has a Blue load status LED. The LED is solid ON when the load paired to that button is turned ON, and DIM when the load is OFF. Tap a Load (Switch) Button to toggle loads ON/OFF.

Pairing Mode: One Green Pairing LED displays when in Pairing mode. Each tap of the 'P' button cycles through the loads.

Configuration: Tap the 'C' button to enter configuration mode and set load parameters on the receiver.

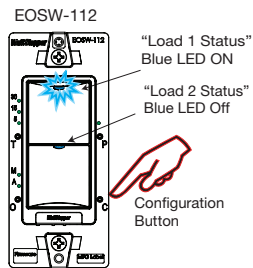
SETTING LOAD PARAMETERS ON THE RECEIVER

In Configuration mode, you can change the Time Delay "T", Operation Mode "O", or perform the load assignment or bind the loads.

Step 1: Enter Configuration Mode

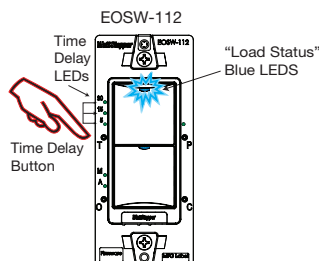
Press and Hold "Configuration" Button "C" for 3 Seconds

- For EOSW-111 Load 1 turns ON. (Load 1 is now active.)
- For EOSW-112 Load 1 turns ON and Load 2 turns OFF. (Load 1 is now active.)
- "Time Delay" and "Operating Mode" LED's are lit to indicate their current settings for the specific load.



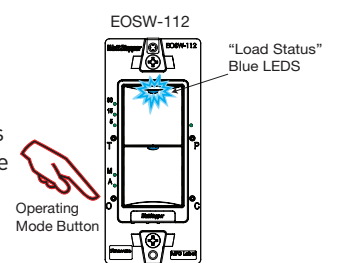
Step 2: Modifying "Time Delay"

Tap the "Time Delay" Button "T" to cycle through options of 30min/15min/5min descending. The corresponding Time Delay LED is lit to confirm time delay selection for the specific load.



Step 3: Modifying "Operating Mode"

Tap the "Operating Mode" Button "O" to alternate between "Manual-On" and "Automatic-On" settings where corresponding LED confirms operating mode selection for the specific load.

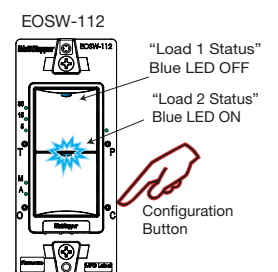


Step 4: Modifying Load 2 Parameters (EOSW-112)

To modify Load 2 settings:

Tap "Configuration" Button "C" once to alternate between Loads

- Load 2 turns ON and Load 1 turns OFF. (Load 2 is now active.)
- The load status LED that is lit corresponds to the Load being modified.
- Repeat steps 2 and 3.



Step 5: Exit "Configuration" Mode

Press and hold the "Configuration" Button "C" on the receiver until the green LED's turn off, approximately 3 seconds, to exit Configuration mode.

RESET UNITS TO FACTORY DEFAULT SETTINGS

To return units to factory default settings on all Wall Switch Receivers: Press and hold **Configuration Button "C"** for 10 seconds until all the LEDs of "T" and "O" are blinking 3 times, then turn off.

LOAD PARAMETER DEFAULTS

The EOSW-111 Defaults to Manual On/Auto OFF.*

The EOSW-112 Defaults to Auto On 50%/ Auto OFF

* Auto-OFF is enabled according to the sensor Time Delay when a sensor is paired to the load, regardless of the loads time delay or whether the load was turned on automatically with occupancy or manually using a switch. When occupancy is no longer detected and the time delay has expired the load will shut off.

TIME DELAY DEFAULTS

Load 1: Time Delay "T" = 15 minutes

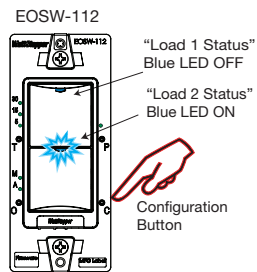
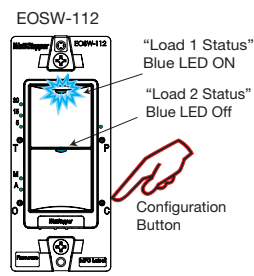
Load 2: Time delay "T" = 15 minutes

BINDING AND UNBINDING A SELECTED BUTTON FROM A RECEIVER LOAD

By default the Wall Switch buttons are bound to the loads. On a single button switch, the button will be bound to the wired load. On a two button switch, the top button #1 will be bound with Load #1, and the bottom button #2 will be bound with Load #2. To change the default binding follow these steps:

Enter configuration mode by pressing and holding the "Configuration" Button "C" for approximately 3 seconds and release:

- The green LED's on the Wall Switch should be ON to indicate it is now in Configuration mode.
- Load #1 should be ON, and Load #2 (if using a two button switch) should be OFF.
- Use the Configuration mode button to select the buttons to bind or unbind from the loads (if using a two button switch).
- Press the Configuration Button "C" once, Load #1 should now be OFF, and Load #2 should be ON.



- Continue pressing the Configuration Button "C" to select the load to bind or unbind.
- By pressing the switch button you can toggle the button from being bound or unbound to the load that is currently ON.
- A bound button should have a solid blue LED ON while an unbound button should have a dim Blue LED ON.
- To exit configuration mode, press and hold the Configuration Button "C" for 3 seconds until the green LED's turn OFF.

IMPORTANT: Loads can only be bound one at a time.

NOTE: A single switch button can be bound with 2 loads, or two switch buttons can be bound with a single load. You can have a load bound to one button, both buttons or no buttons.

There is no restriction on how the button can be bound to loads. For example, button #1 can be bound to Load #2 and button #2 can be bound to Load #1 using a two switch button. A single switch button can also be bound to more than one load. All buttons may also be unbound from the loads for applications where it is desired to disable the buttons from controlling the loads. Note, that if this is desired, the switch can still control the loads by the use of a remote device or the use of the EOPC-100 Occupancy Sensor.

TROUBLESHOOTING

Does the system work more reliably at close range (without obstructions)?

In an indoor environment, the wireless controls have a typical range of 30-150 feet. If there are obstructions and/or noise interference the range will be less than the typical range.

Consider Factors Affecting the Environment:

The range can be reduced by metal objects (metal decreases the effectiveness of RF transmission). Switches also go into a reduced range mode when in programming (under 15 feet)

- Identify nearby metal, concrete and other objects possibly affecting signal strength
- If possible, try relocating the device (even slightly) away from obstructions to improve the system performance.

Does the system work better at certain times of the day?

- Look for pieces of equipment that may affect wireless performance when they are ON
- Noise interference can be either line noise (from motors) or Radio Frequency (RF)

Product performance:

- To isolate any variation in product performance replace one piece of hardware at a time
- If the above steps do not resolve the problem call technical support at: 800.879.8585.

Load does not turn ON or OFF:

- If load does not shut off automatically, enter configuration mode to check settings for the load (if in manual mode switch to auto mode). If you cannot switch then sensor is not paired to load.
- If load does not turn on/off from remote switch, check pairing of the switch to the load. (See pairing devices.)