Switch Leg Transmitter
Cat. No. WSSLT-R10, WSSLT-010

4-Channel Switch Leg Transmitter
Cat. No. WSSLT-GPO

INSTALLATION

SPECIFICATIONS

<table>
<thead>
<tr>
<th>WSSLT-R10</th>
<th>WSSLT-010</th>
<th>WSSLT-GPO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Range: 120 VAC 50/60 Hz</td>
<td>50-150 feet (typical)</td>
<td>315 MHz</td>
</tr>
<tr>
<td>Frequency: 24 VAC 50/60 Hz</td>
<td>8-28 VDC, 40mA</td>
<td></td>
</tr>
<tr>
<td>Power Supply Input Rating: 120 VAC 50/60 Hz</td>
<td>24 VAC 50/60 Hz</td>
<td>N/A</td>
</tr>
<tr>
<td>Inputs: 24 VAC 50/60 Hz</td>
<td>120 VAC 50/60 Hz</td>
<td>30 VDC max, 100 mA max</td>
</tr>
<tr>
<td>Operating Temperature: 14° C to +122° F (-10° C to +50° C)</td>
<td>-13° C to +140° F (-25° C to +60° C)</td>
<td>-40° C to +50° C</td>
</tr>
<tr>
<td>Storage Temperature: 2.11 x 1.73 x 1.09 inches</td>
<td>2.88&quot; (W) x 1.30&quot; (H) x 0.67&quot; (D)</td>
<td>7.90 cm x 5.38 cm x 2.10 cm</td>
</tr>
<tr>
<td>Dimensions: 3.42&quot; (W) x 2.56&quot; (H) x 1.74&quot; (D)</td>
<td>9.20 cm x 6.50 cm x 4.40 cm</td>
<td></td>
</tr>
<tr>
<td>Antenna: 3.10 m (10 ft)</td>
<td>3.66 m (12 ft)</td>
<td>Attached whip antenna</td>
</tr>
<tr>
<td>Radio Certification: FCC (United States) 5715A-TCMX500</td>
<td>5715A-TCMX500</td>
<td>C-Tick (Australia)</td>
</tr>
<tr>
<td>Safety Approval: UL Listed (US &amp; Canada)</td>
<td>CE (Europe)</td>
<td>C-Tick (Australia)</td>
</tr>
</tbody>
</table>

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INSTALLATION

WARNINGs AND CAUTIONs:

- TO BE INSTALLED AND/OR USED IN ACCORDANCE WITH ELECTRICAL CODES AND REGULATIONS.
- IF YOU ARE NOT SURE ABOUT ANY PART OF THESE INSTRUCTIONS, CONSULT AN ELECTRICIAN.
- Leviton SLTs are intended only for use indoors, in dry locations, and with permanently installed fixtures.
- Leviton SLTs should NOT be installed in locations where the unit will be in close proximity to light bulbs or other sources of heat, such as above a ceiling hugger fixture, particularly with higher wattage bases (See "Operating Temperature" on specifications table).
- For in-wall installation, a wiring box must be used. For ceiling installation make wire connections inside a junction box. Ensure that the temperature in the ceiling box will not exceed 50 degrees C.
- For best wireless performance install receiver in plastic box away from metal objects.
- Read all installation steps for this option before taking any action to install SLT.
- It may be convenient to associate the SLT with appropriate receivers prior to final installation. Step 4 describes how to associate an SLT with a receiver. Test the range of the SLT before final installation.
- Make sure the SLT is within 16 feet (5 meters) of the desired receiver when programming. Receivers have reduced range during programming.

DESCRIPTION

The Switch Leg Transmitter (SLT) replaces wires between a switch and an electrical load with an RF control signal. The SLT senses status of photosensor, timer, or manual switch master circuit to control wireless slave device(s).

COMPATIBLE DEVICES

- 3-Wire Relay
- Plug-in Relay
- Thermostat
- Room Control
- More receivers available

TOOLS NEEDED FOR INSTALLATION

- Pencil or ball point pen
- Wire nuts
- Electrical tape

TO INSTALL

1. WARNING: TO AVOID FIRE, SHOCK, OR DEATH: TURN OFF POWER AT CIRCUIT BREAKER OR FUSE AND TEST THAT THE POWER IS OFF BEFORE WIRING

2. Connect wires according to wiring diagram below (WSSLT-R10 & WSSLT-010). Twist wire nuts on clockwork making sure no bare wires show Wrap connections with electrical tape. Connect wires according to wiring diagram below (WSSLT-GPO). Twist wire nuts on clockwork making sure no bare wires show Wrap connections with electrical tape.

3. Programming: Restore power and follow receiver programming instructions found in receiver installation guide. For SLT installations, program the receiver using Rocker Mode.

4. To associate an SLT with a receiver, simply press the Teach button labeled "TCH" on the SLT while the receiver is in the desired Learn Mode (See Figures). This sends a signal containing the unique ID of the SLT to the receiver. The receiver memorizes the ID and knows to respond to the SLT in the future (Do not press the Learn button on the SLT multiple times while the receiver is in Learn Mode or the SLT may be accidentally memorized or added to the receiver’s memory).

5. Activation: Test SLT. Once a Switch Leg Transmitter has been associated with a receiver, whenever power is provided to or removed from the SLT, the SLT transmits a wireless signal to control the receiver (if SLT is not working, review wiring, review wiring and programming instructions for both the SLT and the receiver).

Advanced Features:

Default Mode: The SLT transmits a unique radio packet that is recognized by most Leviton RF receivers. This unique packet is perfect for when you are using the SLT as a stand alone device or with multiple SLTs. The unique packet assures that there will be no interference with other SLTs. Simple applications require the device to be put into PTM mode.

Sense Invert: For some applications it may be convenient to transmit an "ON" signal to the receiver when the input to the SLT is asserted low, and transmit an "OFF" signal when the input to the SLT is asserted high. The 4-channel SLT is capable of inverting the sense of its inputs to support this application.

To invert all of the inputs, hold down the Teach (labeled TCH) button while powering up the device. The "Power" LED will blink twice to indicate that it has successfully entered into inverted mode. If the device is in non-inverted mode, and the Teach button is held down while powering up the device the "Power" LED will blink once indicating that it has entered the non-inverted, or default mode. Individual inputs can also be inverted. While the device is powered on, hold down the model button until the "Power" LED blinks, any input that is asserted low (no power supplied) while the "Model" button was held down will be in the non-inverted mode (The "OFF" signal will be sent when the input is asserted low). Any input that is asserted high (power supplied) while the "Model" button was held down will be inverted (The "OFF" signal will be sent when the input is asserted high).

PTM Mode (True 2-way function): The SLT transmits as a unique radio packet that is recognized by Leviton RF products, but may not be recognized by all EnOcean compatible receivers. The SLT can be put into a PTM mode which will send a radio packet that is recognized by any standard EnOcean receiver. To enter this mode hold down the "Mode" button while powering up the device. The "Power" LED will blink twice, indicating that it has entered the PTM mode. The transmitter can be put back into the default mode by holding down the "Mode" button while powering up the device. The "Power" LED will blink once, indicating that it is in the default mode.

6. Store all wires and SLT in wiring box to complete installation.

7. Restore power at circuit breaker or fuse. Installation is complete.