Testing your Receptacle prior to mounting in wall box:

1. Position all wires to provide room in outlet wall box for device.
2. Partially screw-in mounting screws in wall box existing mounting holes.
3. NOTE: Dress wires with a bend as shown in diagram in order to relieve pressure on wires.
4. Replace power at circuit breaker or fuse. If located, Locator light should turn ON.
5. If locator light does not turn ON, refer to the TROUBLESHOOTING section.

Receptacle Mounting:

1. TURN OFF POWER AT CIRCUIT BREAKER OR FUSE.
2. Installation may now be completed using non-metallic mounting screw into existing outlet wallplate.
3. Replace power at circuit breaker or fuse. Installation is complete.

INSTALLING SOFTWARE (OPTIONAL)

For additional details refer to Receptacle Installation & Operation instructions. Consult the factory for details.

Programming Instructions:

All devices are learned in a “reduced sensibility” mode to avoid interferences from other devices which may be in a close area.

- Occupancy Sensor Timeouts:
  - Occupancy Sensor Timeouts: 60 minutes.
  - Oscillating Display: 5/8" for 2 seconds.
  - Reprogram Mode (ON): Oscillating Display: 5/8" for 8 seconds.

IC Time-Outs:

When used with an occupancy sensor, the WS153 has an IC time-out settings: 5, 10, 15, or 20 minutes. A longer interval is recommended when using with powered devices in dark spaces. The timeout will only be detected if a sensor is detected within the time-out period.

- Single Pole
  - 1. Single Pole (Hot)
  - 2. Neutral
  - 3. Ground

Wiring the receptacle:

This receptacle can be wired using side wire terminal screws or through backplate openings. Choose appropriate wire stripping specifications accordingly.

- Side Wire Connection
  - Single Pole: American wire size 14/2 AWG solid copper wire only
  - Neutral: American wire size 14/2 AWG solid copper wire only
  - Ground: American wire size 6/3 AWG solid copper wire only

- Back Wire Connection
  - Single Pole: American wire size 12/2 AWG solid copper wire only
  - Neutral: American wire size 6/3 AWG solid copper wire only

- Make sure that the ends of the wires from the wall box are straight (strip back to correct length).
- Remove insulation from each wire in the wall box as shown.

Connect wires per WIRING DIAGRAM as follows:

- Green wire to terminal screw in wall to Green terminal screw on receptacle.
- White wire to terminal screw in wall (black marked “LINE”) to receptacle.
- Neutral (Silver) marked “NEUTRAL” to receptacle terminal screw.
- Light Brown (Orange) to light Brown (orange) LED.
- Black LED to terminal screw.
- Pink (Brown) to terminal screw.
- White LED to terminal screw.

WIRING DIAGRAM as follows:

- Light Brown LED to terminal screw in wall to Green terminal screw on receptacle.
- Light Brown (Orange) to light Brown (orange) LED.
- Black LED to terminal screw.
- Pink (Brown) to terminal screw.
- White LED to terminal screw.
- Black LED to terminal screw in wall to Green terminal screw on receptacle.

- Side Wire Connection
  - Single Pole: American wire size 14/2 AWG solid copper wire only
  - Neutral: American wire size 14/2 AWG solid copper wire only
  - Ground: American wire size 6/3 AWG solid copper wire only

- Make sure that the ends of the wires from the wall box are straight (strip back to correct length).
- Remove insulation from each wire in the wall box as shown.

Connect wires per WIRING DIAGRAM as follows:

- Green wire to terminal screw in wall to Green terminal screw on receptacle.
- White wire to terminal screw in wall (black marked “LINE”) to receptacle.
- Neutral (Silver) marked “NEUTRAL” to receptacle terminal screw.
- Light Brown (Orange) to light Brown (orange) LED.
- Black LED to terminal screw.
- Pink (Brown) to terminal screw.
- White LED to terminal screw.
- Black LED to terminal screw in wall to Green terminal screw on receptacle.

- Side Wire Connection
  - Single Pole: American wire size 14/2 AWG solid copper wire only
  - Neutral: American wire size 14/2 AWG solid copper wire only
  - Ground: American wire size 6/3 AWG solid copper wire only

- Make sure that the ends of the wires from the wall box are straight (strip back to correct length).
- Remove insulation from each wire in the wall box as shown.

Connect wires per WIRING DIAGRAM as follows:

- Green wire to terminal screw in wall to Green terminal screw on receptacle.
- White wire to terminal screw in wall (black marked “LINE”) to receptacle.
- Neutral (Silver) marked “NEUTRAL” to receptacle terminal screw.
- Light Brown (Orange) to light Brown (orange) LED.
- Black LED to terminal screw.
- Pink (Brown) to terminal screw.
- White LED to terminal screw.
- Black LED to terminal screw in wall to Green terminal screw on receptacle.

- Side Wire Connection
  - Single Pole: American wire size 14/2 AWG solid copper wire only
  - Neutral: American wire size 14/2 AWG solid copper wire only
  - Ground: American wire size 6/3 AWG solid copper wire only

- Make sure that the ends of the wires from the wall box are straight (strip back to correct length).
- Remove insulation from each wire in the wall box as shown.

Connect wires per WIRING DIAGRAM as follows:

- Green wire to terminal screw in wall to Green terminal screw on receptacle.
- White wire to terminal screw in wall (black marked “LINE”) to receptacle.
- Neutral (Silver) marked “NEUTRAL” to receptacle terminal screw.
- Light Brown (Orange) to light Brown (orange) LED.
- Black LED to terminal screw.
- Pink (Brown) to terminal screw.
- White LED to terminal screw.
- Black LED to terminal screw in wall to Green terminal screw on receptacle.

- Side Wire Connection
  - Single Pole: American wire size 14/2 AWG solid copper wire only
  - Neutral: American wire size 14/2 AWG solid copper wire only
  - Ground: American wire size 6/3 AWG solid copper wire only

- Make sure that the ends of the wires from the wall box are straight (strip back to correct length).
- Remove insulation from each wire in the wall box as shown.

Connect wires per WIRING DIAGRAM as follows:

- Green wire to terminal screw in wall to Green terminal screw on receptacle.
- White wire to terminal screw in wall (black marked “LINE”) to receptacle.
- Neutral (Silver) marked “NEUTRAL” to receptacle terminal screw.
- Light Brown (Orange) to light Brown (orange) LED.
- Black LED to terminal screw.
- Pink (Brown) to terminal screw.
- White LED to terminal screw.
- Black LED to terminal screw in wall to Green terminal screw on receptacle.

- Side Wire Connection
  - Single Pole: American wire size 14/2 AWG solid copper wire only
  - Neutral: American wire size 14/2 AWG solid copper wire only
  - Ground: American wire size 6/3 AWG solid copper wire only

- Make sure that the ends of the wires from the wall box are straight (strip back to correct length).
- Remove insulation from each wire in the wall box as shown.

Connect wires per WIRING DIAGRAM as follows:

- Green wire to terminal screw in wall to Green terminal screw on receptacle.
- White wire to terminal screw in wall (black marked “LINE”) to receptacle.
- Neutral (Silver) marked “NEUTRAL” to receptacle terminal screw.
- Light Brown (Orange) to light Brown (orange) LED.
- Black LED to terminal screw.
- Pink (Brown) to terminal screw.
- White LED to terminal screw.
- Black LED to terminal screw in wall to Green terminal screw on receptacle.

- Side Wire Connection
  - Single Pole: American wire size 14/2 AWG solid copper wire only
  - Neutral: American wire size 14/2 AWG solid copper wire only
  - Ground: American wire size 6/3 AWG solid copper wire only

- Make sure that the ends of the wires from the wall box are straight (strip back to correct length).
- Remove insulation from each wire in the wall box as shown.

Connect wires per WIRING DIAGRAM as follows:

- Green wire to terminal screw in wall to Green terminal screw on receptacle.
- White wire to terminal screw in wall (black marked “LINE”) to receptacle.
- Neutral (Silver) marked “NEUTRAL” to receptacle terminal screw.
- Light Brown (Orange) to light Brown (orange) LED.
- Black LED to terminal screw.
- Pink (Brown) to terminal screw.
- White LED to terminal screw.
**Clear Mode Programming Instructions**

LED flashing amber 2x per second:

1. While the receiver is in the Clear Mode Selection Menu (Amber LED flashing 2x per second) press the receiver switch/programming button to advance the Amber LED to flashing 3x per second (Clear Mode).
2. To enter the Clear Mode, hold the button for 3.5-seconds. The LED will change from Amber to a single Red or Green flash to signify you are now in the Clear Mode of programming.
3. To CLEAR ALL devices from memory and read to factory defaults press the receiver switch/programming button for 5 seconds. The entire memory of the receiver will be deleted. The receiver LED will flash Red when the process is complete.
4. To program new devices, press the receiver switch/programming button and return to the Mode Selection Menu (Amber LED flashing).

LED feedback/indicators in the learn programming mode:

- **Green LED:**
  - Three Amber Blinks (Unlearn Device)
  - Four Amber Blinks (Learn Device)
  - Green Blink (Learn Device)

- **Red LED:**
  - Three Amber Blinks
  - Four Amber Blinks

- **Amber LED:**
  - Green blink

**Operating Instructions**

**1.** While the receiver is in the Mode Selection Menu (Amber LED flashing 2x per second) press the receiver switch/programming button to advance the Amber LED to flashing 3x per second (Clear Mode).

**2.** To enter the Clear Mode, hold the button for 3.5-seconds. The LED will change from Amber to a single Red or Green flash to signify you are now in the Clear Mode of programming.

**3.** To CLEAN ALL devices from memory and read to factory defaults press the receiver switch/programming button for 5 seconds. The entire memory of the receiver will be deleted. The receiver LED will flash Red when the process is complete.

**4.** To program new devices, press the receiver switch/programming button and return to the Mode Selection Menu (Amber LED flashing).

**Select the mode desired for programming device.**

**Detecting Device (learn):**

1. Press the first button and release within 2 seconds. The LED will change from Amber to a single Red or Green flash to signify you are now in the Learn Mode of programming.

2. Press the wireless switch to be learned (2-3 seconds). The load will stay ON for 2-3 seconds indicating that the receiver has learned the transmitter’s unique ID in memory. The LED will change from Amber to Green or increase the number of Green flashes per cycle as additional devices are learned.

**5.** While the receiver is in the Mode Selection Menu (Amber LED flashing 2x per second) press the receiver switch/programming button to advance the Amber LED to flashing 4x per second (Scan Mode).

6. **To program the receiver:**

   a. To a device in Scan Mode press and hold the button for 3.5 seconds. The LED will change from Amber to Red or Green to signify you are now in the Scan Mode of programming.

   b. Press the wireless switch to be learned (2-3 seconds). The load will stay ON for 2-3 seconds indicating that the receiver has learned the transmitter’s unique ID in memory. The LED will change from Amber to Green or increase the number of Green flashes per cycle. Some of the additional devices are learned.

7. Follow Steps 6-6 of “Clear Mode Programming Instructions” described above.

**8.** Follow Steps 6-6 of “Clear Mode Programming Instructions” described above.

**Clear Mode Programming Instructions**

LED flashing amber 5x per second:

1. While the receiver is in the Mode Selection Menu (Amber LED flashing 5x per second) press the receiver switch/programming button to advance the Amber LED to flashing 6x per second (Clear Mode).

2. To enter the Clear Mode, hold the button for 3.5-seconds. The LED will change from Amber to a single Red or Green flash to signify you are now in the Clear Mode of programming.

3. To CLEAN ALL devices from memory and read to factory defaults press the receiver switch/programming button for 5 seconds. The entire memory of the receiver will be deleted. The receiver LED will flash Red when the process is complete.

4. To program new devices, press the receiver switch/programming button and return to the Mode Selection Menu (Amber LED flashing).

5. Select the mode desired for programming device.

**Detected Device (learn):**

1. Press the first button and release within 2 seconds. The LED will change from Amber to a single Red or Green flash to signify you are now in the Learn Mode of programming.

2. Press the wireless switch to be learned (2-3 seconds). The load will stay ON for 2-3 seconds indicating that the receiver has learned the transmitter’s unique ID in memory. The LED will change from Amber to Green or increase the number of Green flashes per cycle as additional devices are learned.

3. While the receiver is in the Mode Selection Menu (Amber LED flashing 5x per second) press the receiver switch/programming button to advance the Amber LED to flashing 6x per second (Scan Mode).

4. To a device in Scan Mode press and hold the button for 3.5 seconds. The LED will change from Amber to Red or Green to signify you are now in the Scan Mode of programming.

5. Press the wireless switch to be learned (2-3 seconds). The load will stay ON for 2-3 seconds indicating that the receiver has learned the transmitter’s unique ID in memory. The LED will change from Amber to Green or increase the number of Green flashes per cycle as additional devices are learned.

6. Follow Steps 6-6 of “Clear Mode Programming Instructions” described above.