Installing your Sensor – Single-Pole Application:

1. Orient and push Sensor into wall box.
2. Connect wires per Wiring Diagram as follows:
   - Neutral (White) to Neutral (White)
   - Black (Hot) to Black (Hot)
3. Turn and lock flush.
4. Push latch up and turn to release.

Step 3 Preparing and connecting wires:

- Pull off pre-cut insulation from sensor leads.
- Make sure that the ends of the wires from the wall box are straight (if necessary).
- Remove insulation from each wire in the wall box as shown.

WARNINGs and CAUTIONs:
- To avoid fire, shock, or death; turn off power at circuit breaker or fuse and test that the power is off before wiring!
- Use only with Leviton module MSW-S-KST (Stranded wire) or MSW-S-KSD (Solid wire). The Cat. No. MSMT-GD requires a ground wire to operate properly. If there is no ground wire, an inline electrical box is grounded and attach ground wire to box with a screw. If the ground wire is floating this device will not work.
- Do not test the switch on the unit, fire, freight, personal injury or death can occur.

Check your load ratings to determine suitability for your application.

TO AVOID FIRE, SHOCK, OR DEATH; TURN OFF POWER AT CIRCUIT BREAKER OR FUSE AND TEST THAT THE POWER IS OFF BEFORE WIRING!

Troubleshooting:

1. Incorrect wiring - check wiring diagram.
2. Sensor not working - check wiring diagram.
3. Lights do not turn off - check wiring diagram.
4. Single-Pole or Multi-Light - check wiring diagram.

Features:

- Leviton’s DecoStyle® design style
- Sensor can be ganged together with other units in a multi-switch wall plate
- Self-Adaptive Technology adjusts to occupancy patterns of use in auto mode
- The Adapting Time-out walk-through feature prevents lights from turning off during an extended period after only a momentary occupancy.
- Switches a single load circuit.
- LevLite quick connect
- One Push-Button which provides manual OFF switching at any time
- Adjustable horizontal field of view.
- Integrated photocell prevents lights from turning on when room is inadequately illuminated by natural light.
- Twist-Cone Relay provides maximum contact life and compatibility with electronic ballasts.
- Dual detection technology: Passive Infrared and Ultrasonic. Can be configured as Ultrasonic Only by disabling Passive Infrared.

Installing your Sensor – 3-Way Wiring Application:

1. Orient and push Sensor into wall box.
2. Connect wires per Wiring Diagram as follows:
   - Neutral (White) to Neutral (White)
   - Black (Hot) to Black (Hot)
3. Turn and lock flush.
4. Push latch up and turn to release.

WARNINGs and CAUTIONs:
- To avoid fire, shock, or death; turn off power at circuit breaker or fuse and test that the power is off before wiring!

Tools Needed to Install your Sensor

- Phillips/Screwdriver
- Flathead Screwdriver
- 9/16” Bit (for most common):
- Protective Label
- Small Slotted Screwdriver
- Color rotate 

Features:

- Leviton’s DecoStyle® design style
- Sensor can be ganged together with other units in a multi-switch wall plate
- Self-Adaptive Technology adjusts to occupancy patterns of use in auto mode
- The Adapting Time-out walk-through feature prevents lights from turning off during an extended period after only a momentary occupancy.
- Switches a single load circuit.
- LevLite quick connect
- One Push-Button which provides manual OFF switching at any time
- Adjustable horizontal field of view.
- Integrated photocell prevents lights from turning on when room is inadequately illuminated by natural light.
- Twist-Cone Relay provides maximum contact life and compatibility with electronic ballasts.
- Dual detection technology: Passive Infrared and Ultrasonic. Can be configured as Ultrasonic Only by disabling Passive Infrared.

WARNINGs and CAUTIONs:
- To avoid fire, shock, or death; turn off power at circuit breaker or fuse and test that the power is off before wiring!
- Use only with Leviton module MSW-S-KST (Stranded wire) or MSW-S-KSD (Solid wire). The Cat. No. MSMT-GD requires a ground wire to operate properly. If there is no ground wire, an inline electrical box is grounded and attach ground wire to box with a screw. If the ground wire is floating this device will not work.
- Do not test the switch on the unit, fire, freight, personal injury or death can occur.

Check your load ratings to determine suitability for your application.

TO AVOID FIRE, SHOCK, OR DEATH; TURN OFF POWER AT CIRCUIT BREAKER OR FUSE AND TEST THAT THE POWER IS OFF BEFORE WIRING!

Troubleshooting:

1. Incorrect wiring - check wiring diagram.
2. Sensor not working - check wiring diagram.
3. Lights do not turn off - check wiring diagram.
4. Single-Pole or Multi-Light - check wiring diagram.

Features:

- Leviton’s DecoStyle® design style
- Sensor can be ganged together with other units in a multi-switch wall plate
- Self-Adaptive Technology adjusts to occupancy patterns of use in auto mode
- The Adapting Time-out walk-through feature prevents lights from turning off during an extended period after only a momentary occupancy.
- Switches a single load circuit.
- LevLite quick connect
- One Push-Button which provides manual OFF switching at any time
- Adjustable horizontal field of view.
- Integrated photocell prevents lights from turning on when room is inadequately illuminated by natural light.
- Twist-Cone Relay provides maximum contact life and compatibility with electronic ballasts.
- Dual detection technology: Passive Infrared and Ultrasonic. Can be configured as Ultrasonic Only by disabling Passive Infrared.

WARNINGs and CAUTIONs:
- To avoid fire, shock, or death; turn off power at circuit breaker or fuse and test that the power is off before wiring!

Tools Needed to Install your Sensor

- Phillips/Screwdriver
- Flathead Screwdriver
- 9/16” Bit (for most common):
- Protective Label
- Small Slotted Screwdriver
- Color rotate 

Features:

- Leviton’s DecoStyle® design style
- Sensor can be ganged together with other units in a multi-switch wall plate
- Self-Adaptive Technology adjusts to occupancy patterns of use in auto mode
- The Adapting Time-out walk-through feature prevents lights from turning off during an extended period after only a momentary occupancy.
- Switches a single load circuit.
- LevLite quick connect
- One Push-BUTTON which provides manual OFF switching at any time
- Adjustable horizontal field of view.
- Integrated photocell prevents lights from turning on when room is inadequately illuminated by natural light.
- Twist-Cone Relay provides maximum contact life and compatibility with electronic ballasts.
- Dual detection technology: Passive Infrared and Ultrasonic. Can be configured as Ultrasonic Only by disabling Passive Infrared.

WARNINGs and CAUTIONs:
- To avoid fire, shock, or death; turn off power at circuit breaker or fuse and test that the power is off before wiring!
- Use only with Leviton module MSW-S-KST (Stranded wire) or MSW-S-KSD (Solid wire). The Cat. No. MSMT-GD requires a ground wire to operate properly. If there is no ground wire, an inline electrical box is grounded and attach ground wire to box with a screw. If the ground wire is floating this device will not work.
- Do not test the switch on the unit, fire, freight, personal injury or death can occur.

Check your load ratings to determine suitability for your application.

TO AVOID FIRE, SHOCK, OR DEATH; TURN OFF POWER AT CIRCUIT BREAKER OR FUSE AND TEST THAT THE POWER IS OFF BEFORE WIRING!
Adapting Time-Out: When the light control is in the fully CCW position the lights will turn OFF shortly after the person leaves the room. The walk-through feature works for a period of time equal to the threshold. When the person enters the room, the lights will turn ON. If the person leaves the room before the walk-through time-out of 2.5 minutes, the Sensor will turn the lights OFF after 2.5 minutes. If the person stays in the room for longer than 2.5 minutes, the Sensor will increase the stored Adapting Time-Out settings.

If the Sensor detects motion within 30 seconds after the lights OFF it will turn the lights ON and increases the time-out value by 1.5 minutes the existing value.

The Adapting Time-Out may be reset to the basic value of 30 minutes by rotating the Time-Out to a new time selection value and then back to the Adapting Time-Out value (refer to Control Panel Diagram).}

Lighting Override: The Ambient Light Override is used to keep the lights OFF if there is already enough natural light in the room. For proper operation, the Ambient Light Override adjustment must be performed when there is no sufficient natural light (refer to the SETTINGS section). If the adjustment is made when there is too much natural light, the lights may not turn ON even though they are needed and will require manual activation of the push-buttons to turn the lights ON.

NOTE: The ambient light level in the center of a room will be different than the level at the wall, where the switch is located. Ambient Light Dial: The ambient light setting is adjusted with the Ambient Light Dial (fully counterclockwise) or using the Adapting Time-Out (fully counterclockwise). This sets the Sensor to manual ON mode where the light control is in the fully CCW position. The lights will turn ON whenever motion is detected, in full daylight.

Intermediate settings will cause the lights to turn ON only when the ambient light is below the level selected by the light control.

NOTE: When the ambient light is at the minimum CCW level, the lights will stay OFF when the light is on. When the ambient light is at the maximum level, the light will turn OFF when the light is OFF.

Manual ON Mode: When the light control is in the fully on position the lights will never automatically turn ON. In this mode the lights need to be manually turned ON by the push-button, and then OFF with the absence of motion.

PIR RANGE: To decrease PIR detection range and sensitivity, rotate the knob CCW (refer to Control Panel Diagram). The detection range can be adjusted from 100%-25%.

ULTRASONIC (US) SENSITIVITY and PIR DISABLE: US sensitivity can be adjusted to HIGH-MED-LOW by holding the ON button for 15 seconds. The LED will flash to represent the Ultrasonic sensitivity and PIR status. Toggling the ON button during the desired LED flash indication will see the Ultrasonic sensitivity and PIR status. Use the following chart:

<table>
<thead>
<tr>
<th>US Sensitivity</th>
<th>PIR Disable</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 amber flashes</td>
<td>High ultrasonic sensitivity, PIR enabled</td>
</tr>
<tr>
<td>2 amber flashes</td>
<td>Medium ultrasonic sensitivity, PIR enabled</td>
</tr>
<tr>
<td>1 amber flash</td>
<td>Low ultrasonic sensitivity, PIR disabled</td>
</tr>
</tbody>
</table>

NOTE: To prevent PERMANENT DAMAGE to the unit, be careful NOT TO OVERTURN or use excessive force when setting the control to the levels of ON or OFF in the MANUAL mode. When setting the levels to OFF it is recommended to slowly rotate to the OFF position to avoid accidental the knobs and your finger to adjust the knobs.

1. Remove Decor® wallplate and Control Panel Cover from Sensor.
2. Rotate the dial to the selected desired fixed-Time value.
3. Install the Sensor in a wall cavity within 6 feet of an exit. Rotate the Rings to select the desired position for the current level of light in the room. Set the Ambient Light Level - AMBIENT LIGHT: Cat. No. MSSMT-GD has an adjustable feature to determine at what minimum ambient light level the unit will operate. The adjustment should be made when the ambient light is at the level where no artificial light is needed. Follow these steps to make a manual adjustment of the ambient light level.

This feature will not work in Manual-On mode.

A. With the lights OFF, turn the Time-Out to the Off (30 second) ke mode (refer to Control Panel Diagram).
B. Rotate the Light control fully CCW to set the Off-Out to the Flirt (30 second) ke mode (refer to Control Panel Diagram).
C. Turn OFF the lights.
D. Rotate the Light control (CCW) SLOWLY, until the light turns OFF. This is the setting for the current level of light in the room. Adjust the light control (CCW) until the lights do not turn on with the current room lighting level. Leave the room and wait for 30-60 seconds to get an accurate level confirmation. Expect a walk-through to see if the lights turn on within the new ambient level setting. Repeal this adjustment as needed to keep the lights from turning on under conditions when enough light is present.

NOTE: When the light control is in the fully CCW position the lights will never automatically turn ON. In this mode the lights need to be manually turned ON by the push-button, and then OFF with the absence of motion. If the light control is in the fully on position, the lights will turn ON whenever motion is detected, even in full daylight.

Intermediate settings will cause the lights to turn ON only when the ambient light is below the level selected by the light control.

NOTE: When the ambient light is at the minimum CCW level, the lights will stay OFF when the light is on. When the ambient light is at the maximum level, the light will turn OFF when the light is OFF.

Manual ON Mode: When the light control is in the fully on position the lights will never automatically turn ON. In this mode the lights need to be manually turned ON by the push-button, and then OFF with the absence of motion.

PIR RANGE: To decrease PIR detection range and sensitivity, rotate the knob CCW (refer to Control Panel Diagram). The detection range can be adjusted from 100%-25%.

ULTRASONIC (US) SENSITIVITY and PIR DISABLE: US sensitivity can be adjusted to HIGH-MED-LOW by holding the ON button for 15 seconds. The LED will flash to represent the Ultrasonic sensitivity and PIR status. Toggling the ON button during the desired LED flash indication will see the Ultrasonic sensitivity and PIR status. Use the following chart:

<table>
<thead>
<tr>
<th>US Sensitivity</th>
<th>PIR Disable</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 amber flashes</td>
<td>High ultrasonic sensitivity, PIR enabled</td>
</tr>
<tr>
<td>2 amber flashes</td>
<td>Medium ultrasonic sensitivity, PIR enabled</td>
</tr>
<tr>
<td>1 amber flash</td>
<td>Low ultrasonic sensitivity, PIR disabled</td>
</tr>
</tbody>
</table>

NOTE: To prevent PERMANENT DAMAGE to the unit, be careful NOT TO OVERTURN or use excessive force when setting the control to the levels of ON or OFF in the MANUAL mode. When setting the levels to OFF it is recommended to slowly rotate to the OFF position to avoid accidental the knobs and your finger to adjust the knobs.

1. Remove Decor® wallplate and Control Panel Cover from Sensor.
2. Rotate the dial to the selected desired fixed-Time value.
3. Install the Sensor in a wall cavity within 6 feet of an exit. Rotate the Rings to select the desired position for the current level of light in the room. Set the Ambient Light Level - AMBIENT LIGHT: Cat. No. MSSMT-GD has an adjustable feature to determine at what minimum ambient light level the unit will operate. The adjustment should be made when the ambient light is at the level where no artificial light is needed. Follow these steps to make a manual adjustment of the ambient light level.

This feature will not work in Manual-On mode.

A. With the lights OFF, turn the Time-Out to the Off (30 second) ke mode (refer to Control Panel Diagram). B. Rotate the Light control fully CCW to set the Off-Out to the Flirt (30 second) ke mode (refer to Control Panel Diagram). C. Turn OFF the lights. D. Rotate the Light control (CCW) SLOWLY, until the light turns OFF. This is the setting for the current level of light in the room. Adjust the light control (CCW) until the lights do not turn on with the current room lighting level. Leave the room and wait for 30-60 seconds to get an accurate level confirmation. Expect a walk-through to see if the lights turn on within the new ambient level setting. Repeal this adjustment as needed to keep the lights from turning on under conditions when enough light is present.

NOTE: When the light control is in the fully CCW position the lights will never automatically turn ON. In this mode the lights need to be manually turned ON by the push-button, and then OFF with the absence of motion. If the light control is in the fully on position, the lights will turn ON whenever motion is detected, even in full daylight.

Intermediate settings will cause the lights to turn ON only when the ambient light is below the level selected by the light control.

NOTE: When the ambient light is at the minimum CCW level, the lights will stay OFF when the light is on. When the ambient light is at the maximum level, the light will turn OFF when the light is OFF.

Manual ON Mode: When the light control is in the fully on position the lights will never automatically turn ON. In this mode the lights need to be manually turned ON by the push-button, and then OFF with the absence of motion.

PIR RANGE: To decrease PIR detection range and sensitivity, rotate the knob CCW (refer to Control Panel Diagram). The detection range can be adjusted from 100%-25%.

ULTRASONIC (US) SENSITIVITY and PIR DISABLE: US sensitivity can be adjusted to HIGH-MED-LOW by holding the ON button for 15 seconds. The LED will flash to represent the Ultrasonic sensitivity and PIR status. Toggling the ON button during the desired LED flash indication will see the Ultrasonic sensitivity and PIR status. Use the following chart:

<table>
<thead>
<tr>
<th>US Sensitivity</th>
<th>PIR Disable</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 amber flashes</td>
<td>High ultrasonic sensitivity, PIR enabled</td>
</tr>
<tr>
<td>2 amber flashes</td>
<td>Medium ultrasonic sensitivity, PIR enabled</td>
</tr>
<tr>
<td>1 amber flash</td>
<td>Low ultrasonic sensitivity, PIR disabled</td>
</tr>
</tbody>
</table>

NOTE: To prevent PERMANENT DAMAGE to the unit, be careful NOT TO OVERTURN or use excessive force when setting the control to the levels of ON or OFF in the MANUAL mode. When setting the levels to OFF it is recommended to slowly rotate to the OFF position to avoid accidental the knobs and your finger to adjust the knobs.