1. The sensor black wire will connect to the hot wire in the wall box.
2. The sensor red wire will connect to the wire which goes to the light fixture.
3. The sensor green wire will only be used if the light switch is not the light ON/OFF button.
4. The sensor green wire will connect to the ground wire in the wall box.

OPERATION INSTRUCTIONS

Manual OFF Sensor – VS306U:

1. Stand to the side of the sensor to allow the device to sense the normal light level in the room.
2. Turn the light switch on or off to trigger the sensor.
3. The sensor green wire will only be used if the light switch is not the light ON/OFF button.
4. The sensor green wire will connect to the ground wire in the wall box.
5. Adjust power and allow all components to work in the normal environment.
6. If the lights do not turn on, then turn the OFF button on and off to the light switch.
7. If the lights do not turn off, then turn the ON button on and off to the light switch.

VISUAL CHECK:

1. The lights should turn ON and OFF.
2. The lights should turn OFF if the button is pressed again.

COMPLETING THE INSTALLATION:

1. Secure sensor into the wall box using two mounting screws provided. Turn the circuit breaker ON.
2. Set switch TIME control to longer delaying the switch, and alter the air flow (if a 3-Way), or determine the source of the air movement.
3. Remove the existing switch in the location where the sensor will be installed.
4. Snap the button into place.

DIAGRAM 3: SENSORS IN BOTH LOCATIONS / SCHEMA 3: DETECTEURS EN DEUX EMPLACEMENTS / DIAGRAMA 3: SENSORES EN AMBAS UBICACIONES

ENGLISH

Eaton Wiring Devices (Eaton) warrants this device to be free of defects in materials and workmanship in normal use and service for a period of two years from date of original purchase. THIS 2 YEAR LIMITED WARRANTY APPLIES TO THE ORIGINAL PURCHASER AND TO ANY SUBSEQUENT OWNER OF THE DEVICE WHO ACQUIRES IT FOR HER OR HIS OWN USE AND NOT FOR RE-SALE. THIS LIMITED WARRANTY IS A CONDITION TO THE WARRANTY. EATON DISCLAIMS ALL OTHER WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

DIAGRAM 4 / SCHEMA 4 / DIAGRAMA 4:

1. Secure sensor into the wall box using two mounting screws provided. Turn the circuit breaker ON.
2. Set switch TIME control to longer delaying the switch, and alter the air flow (if a 3-Way), or determine the source of the air movement.
3. Remove the existing switch in the location where the sensor will be installed.
4. Snap the button into place.

DIAGRAM 5 / SCHEMA 5 / DIAGRAMA 5:

Service and Support - For service or warranty information, visit www.eaton.com/wiringdevices or call 1-866-853-4293 between 8:00 A.M. and 6:00 P.M. (ET) weekdays.
Purpose

Describes how to install the OS310U or VS310U Motion Sensor in a 3Way switch configuration, where the light is located between the two switches.

Initial Configuration

The light load is located between the two 3Way switches as shown below in Figure 1. For simplicity the diagram does not show ground connection for the switch boxes.

![Diagram of 3Way Switches with Light located between Switches]

Figure 1

Replacement of Switch 1 with Motion Sensor
The first switch (SW1) is connected directly to the power (Hot /Neutral). Switch 1 is replaced with the sensor and is wired as shown in Fig 2.

**Figure 2**

**Notes**

- The sensor must be located in the position of Switch 1.

- Switch 2 must be rewired as shown. The second output of the 3Way Switch is not used.

- No connection is required to the second traveler wire that connects to Switch 2.

- For simplicity the ground connections are not shown. Care must be taken to ensure ground wires are properly connected as defined in the original product documentation.