

AVTECH's Motion Sensor monitors computer rooms, telecom closets and other indoor locations for human movement; this passive infrared sensor covers an 84° angle (approximately 48' at its widest point) and detects motion up to 36' away.



Motion Sensor Package Contents

- One (1) Motion Sensor
- One (1) 25' speaker cable
- One (1) 12V power adapter

Motion Sensor



Alarm LED

The red alarm LED blinks for approximately a minute after it is first plugged in to power while the unit is warming up.

It illuminates for approximately 2 seconds when the sensor detects motion.

Install Your Motion Sensor



Do not use this sensor in hazardous (classified) locations or life safety applications.

Step 1: Mount your Motion Sensor.

Mount your Motion Sensor so that people cross the protection zone rather than approach the sensor head-on.

Motion Sensor (RMA-MOT2-SEN)

Don't mount your Motion Sensor in the following locations:

- A location subject to electrical noise.
- A location subject to intense vibration.
- A location where the sensor or protection zone is subject to direct sunlight, spot light or intense reflections.
- Outdoors.

You may mount your Motion Sensor on a wall with an adhesive or using the recessed knockout holes on the base of the unit.

If you wish to use the knockout holes:

1. Loosen the cover lock screw on the bottom of the unit and remove the cover.
2. Open any of the recessed knockout holes in the base that you wish to use. Note that there are knockout holes near the corners of the base to use if you are mounting the unit in a corner.
3. Install the base on the wall.
4. Re-attach the cover and screw the cover lock screw back in.

Step 2: Connect your Motion Sensor to Room Alert.

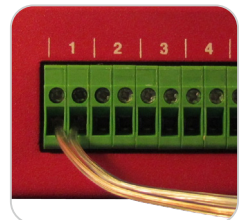
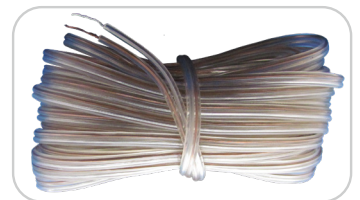


Do not connect the switch sensor inputs (dry contacts) on AVTECH products to any live circuit.

Use only low-voltage 2-wire cable to connect switch sensor inputs.

Your Motion Sensor comes with one end of the 25' speaker cable already attached. Follow these steps to attach the other end to a switch port on your Room Alert or Wireless Sensor Hub:

1. Separate and strip the leads on the free end of the speaker cable, exposing about ¼" of wire.
2. Run the speaker cable back to your Room Alert or Wireless Sensor Hub. Try to avoid running it near large electromagnetic devices or fluorescent lights, which produce EMI and can interfere with sensor readings.
3. Connect the free ends (the ¼" leads) of the speaker cable to an open switch port on your Room Alert monitor or Wireless Sensor Hub. Be sure the bare wire, not the insulation, connects to the port. The leads are non-polarized, so you may connect either lead to either side of the open port.



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Step 3: Connect your Motion Sensor to a power source.

Your Motion Sensor comes with an 12V power adapter already attached. Plug the adapter into a power source.

Notice that the alarm LED blinks for approximately one minute while the Motion Sensor warms up.

Sensor Features & Specifications

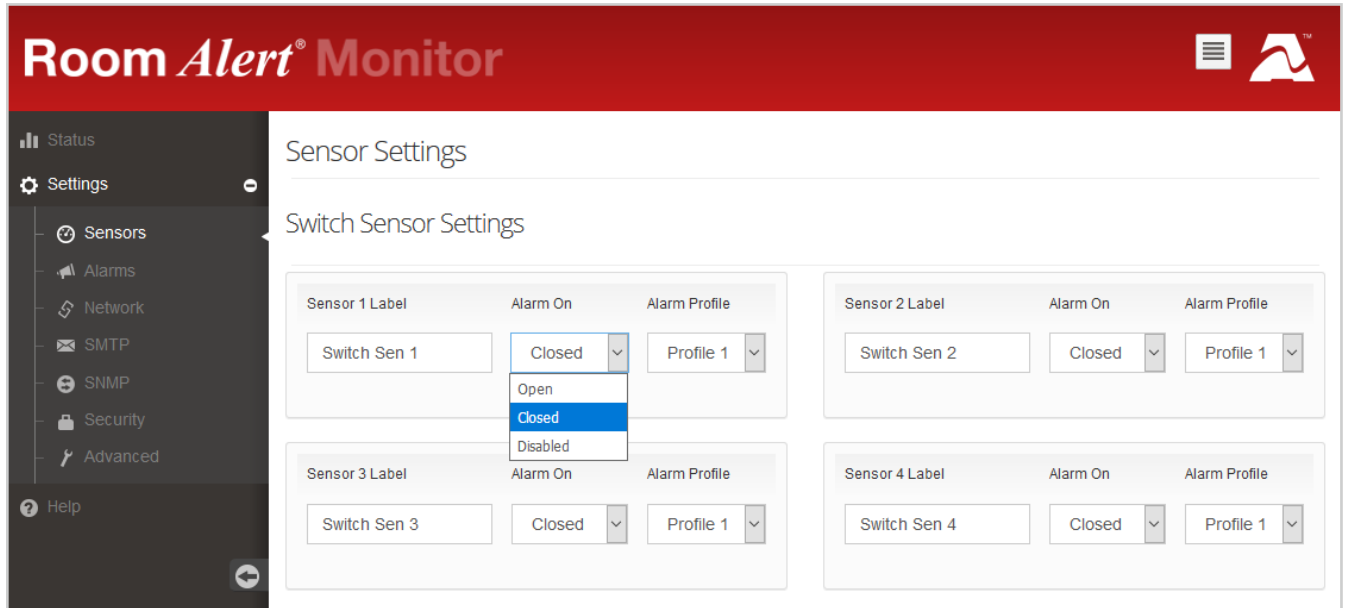
Environment Condition Monitored	Motion
Type Of Sensor	Switch
Normal State	Closed (Motion not detected)
Alarm State	Open (Motion detected)
Power Supply	12V power adapter
Included	Yes
Sensor Cable Type	Low-voltage two-wire speaker cable
Included	Yes
Length	25'
Maximum Extendible Length	900'
Operating Temperature Range	5° F to 131° F (-15° C to 55° C) without condensation
Compatible Products	Any Room Alert model or Wireless Sensor Hub

AVT-160712-1.0.0

Configure Your Switch Sensor

Use Room Alert Monitor's Built-In Web Interface

Navigate to **Settings** → **Sensors** in your Room Alert Monitor's web interface. The options you see below will vary depending on your Room Alert model.



1. Scroll down to *Switch Sensor Settings*.
2. Find the switch sensor label that matches the port you connected your switch sensor to. For example, if you used the first switch sensor port on your Room Alert Monitor, look for *Sensor 1 Label*; if you used the second, look for *Sensor 2 Label*, and so on.
3. In *Sensor X Label*, you may leave the default, "Switch Sen X," or enter something more descriptive. Room Alert "E" models accept up to 15 characters, including only letters, numbers, spaces, hyphens (-), underscores (_) or periods (.). Room Alert "S" models accept up to 30 characters, including the above and special characters, like ampersand (&).
4. In *Alarm On*, select the alarm state (**Open** or **Closed**) for your switch sensor. You may find the alarm state of your switch sensor under the *Features & Specifications* section of this Installation Note.
5. In *Alarm Profile*, which controls light towers and relays on your Room Alert Monitor, you may leave the default, **Profile 1**, or choose another profile from the drop-down menu.
6. Select **Save Settings** at the top or bottom of the page. Your Room Alert Monitor will automatically reboot and commit your changes.