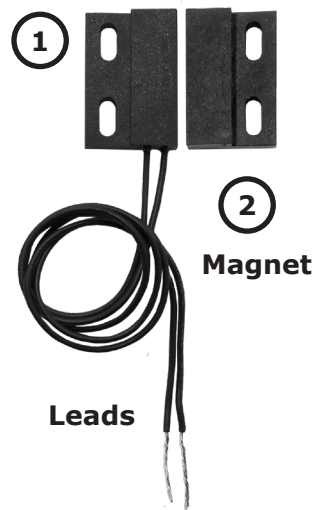


AVTECH's Room Entry Sensor monitors the open/closed state of building doors, windows, cabinet doors, drawers, etc. This two-piece sensor does not require a power supply and operates very simply. The first piece has an embedded proximity switch which opens or closes when the second piece, the magnet, is pulled away or pushed near. By pairing the Room Entry Sensor with your Room Alert, you gain a simple, reliable open/closed room entry status indicator.

Room Entry Sensor Package Contents

- One (1) proximity switch with 11.81" leads
- One (1) magnet
- One (1) 25' speaker cable

Proximity Switch



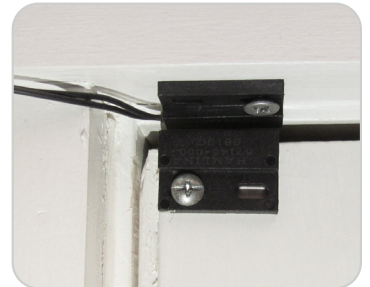
Install Your Room Entry Sensor



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

Step 1: Mount your Room Entry Sensor.

1. Position the proximity switch (the piece with wires) against the vertical or horizontal edge of a door frame, window casing, etc.
2. Position the magnet (the piece without wires) on the edge of the door or window so that when it closes, the magnet closely abuts the proximity switch without actually touching it. The two pieces may directly face one another or form a right angle, as shown here, giving you more installation options.
3. Mount the two pieces securely with screws through their flange holes, as shown here, or with an adhesive.



Step 2: Connect your Room Entry Sensor to Room Alert.

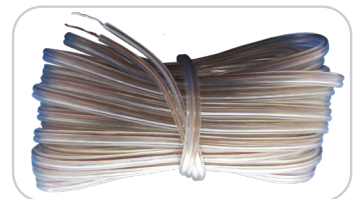


Do not connect the switch sensor inputs (dry contacts) on AVTECH products to any live circuit.

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

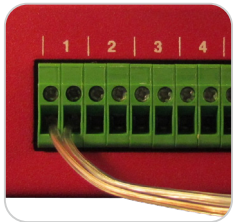
Your Room Entry Sensor comes with a 25' speaker cable. Follow these steps to attach one end of the speaker cable to the Room Entry Sensor's leads, which are non-polarized, and the other end to a switch port on your Room Alert:

1. Separate and strip the leads on one end of the included speaker cable, exposing about 1/4" of wire.



Room Entry Sensor (RMA-RE1-SEN)

- 2. Separate and strip the leads on the other end of the included speaker cable, exposing about 1/2" of wire.
- 3. Twist the speaker cable leads with 1/2" exposed wire to the proximity switch leads. The proximity switch is non-polarized, so you may connect either side of the speaker cable to either side of the proximity switch leads.
- 4. Cap or tape the connected leads to avoid a short.
- 5. Run the speaker cable back to your Room Alert. Try to avoid running it near large electromagnetic devices or fluorescent lights, which produce EMI and can interfere with sensor readings.
- 6. Connect the free ends (the 1/4" leads) of the speaker cable to an open switch port on your Room Alert. Be sure the bare wire, not the insulation, connects to the port. Again, the leads are non-polarized, so you may connect either lead to either side of the open port.



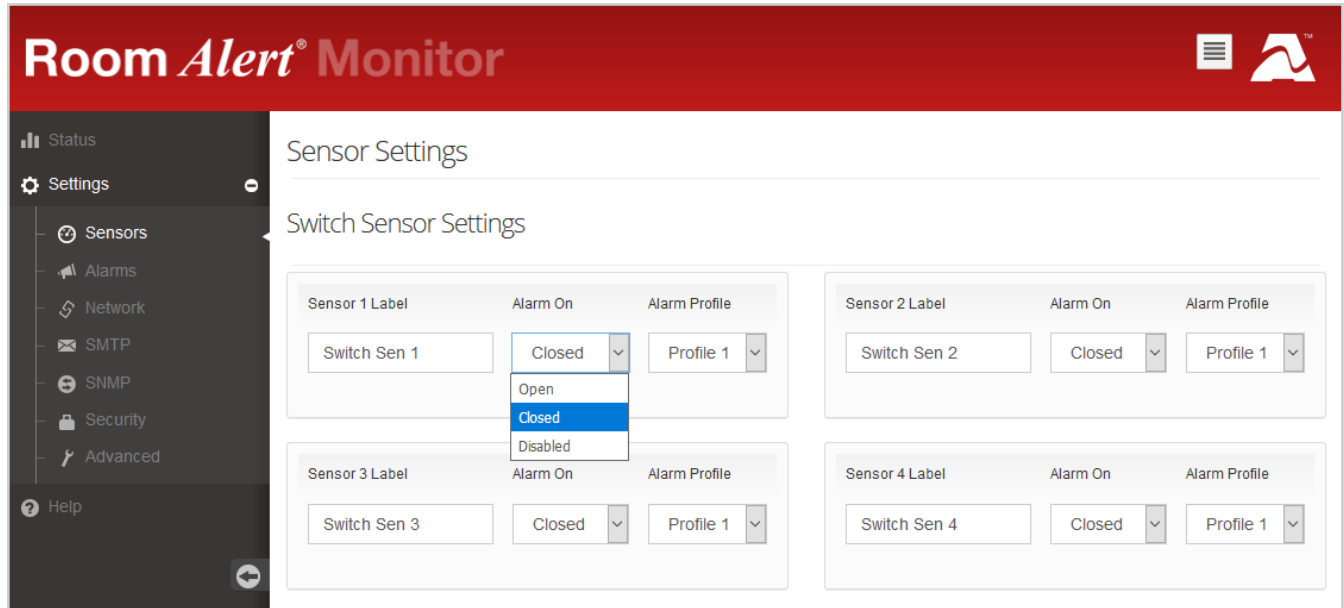
Sensor Features & Specifications

Environment Condition Monitored	Proximity (Open/Closed)
Type Of Sensor	Switch
Normal State	Closed (Proximity switch & magnet together)
Alarm State	Open (Proximity switch & magnet apart)
Sensor Cable Type	Low-voltage two-wire speaker cable
Included	Yes
Length	25'
Maximum Extendible Length	900'
Operating Temperature Range	-40° F to 221° F (-40° C to 105° C)
Compatible Products	Any Room Alert model or Wireless Sensor Hub

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.