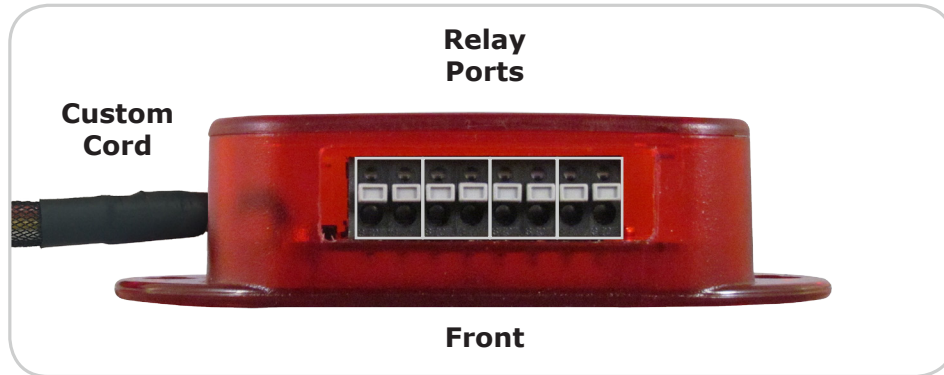


AVTECH's Relay Switch turns on and off up to 4 electrical devices. You may individually control each of the 4 relay outputs separately.

Relay Switch Package Contents

- One (1) Relay Switch
- Two (2) mounting screws

Relay Switch



Install Your Relay Switch



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

Step 1: Mount your Relay Switch.

Mount your Relay Switch with screws through the flange holes, secure it with Velcro or simply place it on a flat surface.

Step 2: Connect your Relay Switch to AVTECH's Light Tower & Relay Adapter.

To use your sensor with Room Alert models 32E, 12E and 3E, you need AVTECH's Light Tower & Relay Adapter (LT-32-ADP), shown here.



Connect the Relay Switch's built-in custom cable to the custom port on the Light Tower & Relay Adapter.

For more information about AVTECH's Light Tower & Relay Adapter, please see its Installation Note, visit AVTECH.com or contact your Product Specialist.



To use your Relay Switch with the Room Alert 4E model, connect it directly to the Room Alert 4E's custom port.

Step 3: Connect a low-voltage device to your Relay Switch.



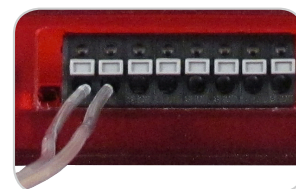
Disconnect power to the electrical device before beginning.

Do not connect the relay outputs on AVTECH products to live circuits of over 125VAC or 24VDC.

Use an appropriate wire to connect the relay ports to your electrical device; consult an electrician if you are unsure if the wire is compatible with the electrical load or device.

Use an appropriate wire or cable to connect the relay ports to your electrical device. If you are unsure if the wire is compatible with the electrical load or device, contact an electrician.

1. Separate and strip the free ends of the wire. Expose about ¼" of wire.
2. Connect one end of the wire to an output port on the Relay Switch. The port's contacts are non-polarized, so you may insert either side of the wire into either contact.
3. Connect the other end to the appropriate contacts on your electrical device.
4. Repeat this procedure for up to 3 more electrical devices.

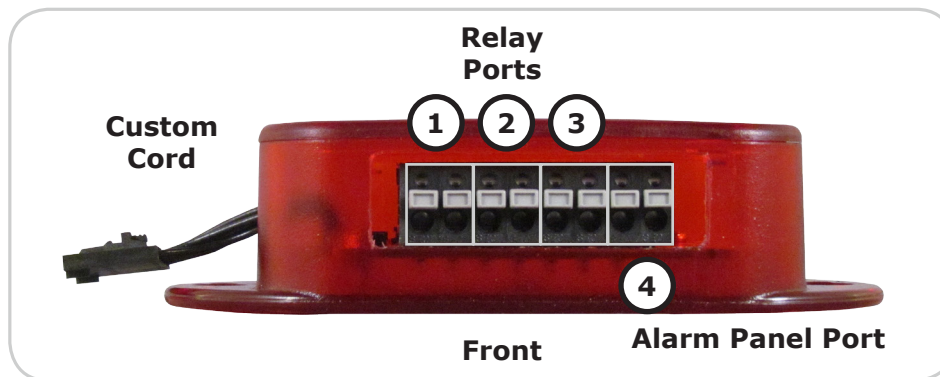


Sensor Features & Specifications

Environment Condition Monitored	Turns on/off low-voltage electrical devices
Type Of Sensor	Relay output
Power Supply	Room Alert or Light Tower Adapter (LTA)
Sensor Cable Type	
<i>Relay output cable</i>	
Included	No
Maximum Extendible Length	Depends on application/type
<i>Custom cable</i>	
Included	Yes (built-in)
Length	3' 11"
Maximum Extendible Length	900'
Operating Temperature	-40° F to 185° F (-40° C to 85° C)
Maximum Load On Relay Ports	0.3A at 125VAC; 1A at 24VDC
Compatible Products	
Adapter	Light Tower & Relay Adapter (LTA)
Main Units	Room Alert 32E/W, 12E and 3E (LTA required) Room Alert 4E (no LTA required)

Previous Generation Relay Switch

Please note that the previous generation of the Relay Switch operates differently than the current generation. In the previous generation model, shown below, you can individually control the first three relay outputs; the fourth is automatically activated when any one of the other outputs is on, allowing notification to a security panel.

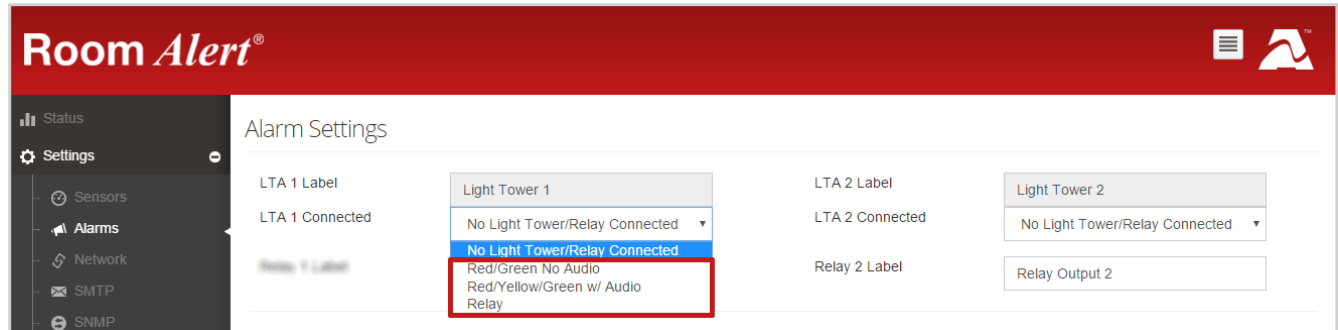


You can tell what generation you have by looking at the custom cord: the built-in custom cord on the previous generation is approximately 1.375" long, as shown here. (The current generation of Relay Switch has a built-in custom cord almost 4' long.)

Configure Your Light Tower Or Relay Switch

Use Room Alert's Built-In Web Interface

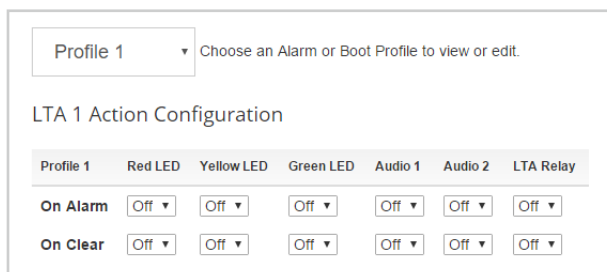
Navigate to **Settings** → **Alarms** in your Room Alert web interface. Both AVTECH's Light Tower and AVTECH's Relay Switch may be configured on this page. The options you see below will vary depending on your Room Alert model.



The screenshot shows the 'Room Alert' web interface. On the left is a sidebar with 'Status' and 'Settings' (expanded). Under 'Settings' are 'Sensors', 'Alarms', 'Network', 'SMTP', and 'SNMP'. The main area is 'Alarm Settings'. It has two columns for 'LTA 1' and 'LTA 2'. For 'LTA 1', 'LTA 1 Label' is 'Light Tower 1'. 'LTA 1 Connected' is a dropdown menu that is open, showing options: 'No Light Tower/Relay Connected', 'Red/Green No Audio', 'Red/Yellow/Green w/ Audio', and 'Relay'. The 'Relay' option is highlighted with a red box. Below the dropdown is a text input for 'LTA 1 Label'. For 'LTA 2', 'LTA 2 Label' is 'Light Tower 2'. 'LTA 2 Connected' is a dropdown menu with 'No Light Tower/Relay Connected' selected. Below it is a text input for 'Relay 2 Label'.

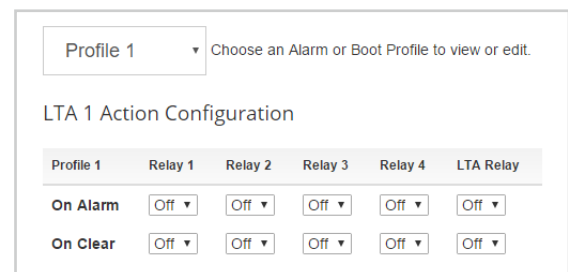
1. In *LTA Label*, you may leave the default, "Light Tower 1" or enter something more descriptive of up to 15 characters. You may use the following characters in sensor labels: letters, numbers, spaces, hyphens (-), underscores (_) and periods (.).
2. In *LTA Connected*, select your device from the drop-down list:
 - To configure a **Light Tower**, select either **Red/Green No Audio** or **Red/Yellow/Green w/Audio**, depending on your model.
 - To configure a **Relay Switch**, select **Relay**.
3. Once you select your device, the *LTA Action Configuration* grid populates beneath it. Here you may select **On** or **Off** from the drop-down list. (Note that the *LTA Relay* refers to the relay output port on the Light Tower & Relay Adapter.)

Light Tower



The screenshot shows the 'Light Tower' configuration page. At the top is a dropdown menu for 'Profile 1' with the text 'Choose an Alarm or Boot Profile to view or edit.' Below this is a table titled 'LTA 1 Action Configuration'. The table has 7 columns: 'Profile 1', 'Red LED', 'Yellow LED', 'Green LED', 'Audio 1', 'Audio 2', and 'LTA Relay'. There are two rows of configuration: 'On Alarm' and 'On Clear'. Each row has a dropdown menu for each feature, all of which are currently set to 'Off'.

Relay Switch



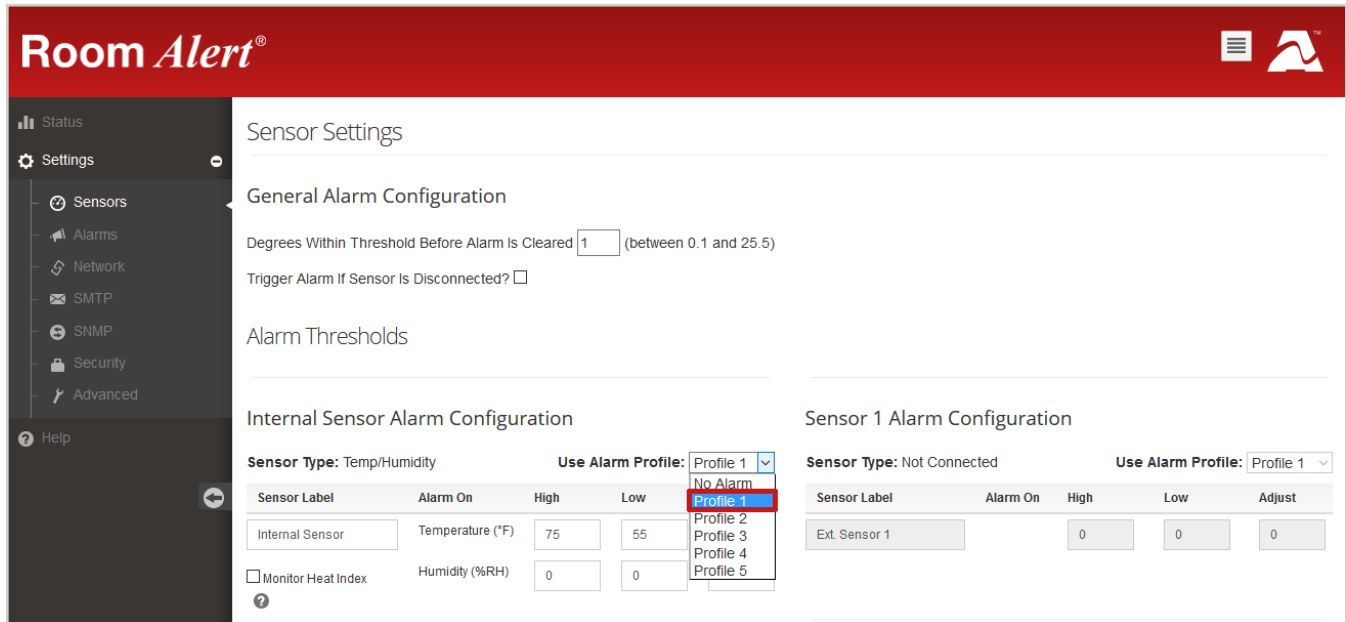
The screenshot shows the 'Relay Switch' configuration page. At the top is a dropdown menu for 'Profile 1' with the text 'Choose an Alarm or Boot Profile to view or edit.' Below this is a table titled 'LTA 1 Action Configuration'. The table has 6 columns: 'Profile 1', 'Relay 1', 'Relay 2', 'Relay 3', 'Relay 4', and 'LTA Relay'. There are two rows of configuration: 'On Alarm' and 'On Clear'. Each row has a dropdown menu for each feature, all of which are currently set to 'Off'.

4. Choose a profile from the drop-down menu to configure. The default is **Profile 1**.
 - Select *Profile X* to configure sets of on/off actions to associate with sensors when they go in and out of an alarm state. The default for each feature is **Off**.
 - Select *Boot Profile* to configure what the Light Tower or Relay Switch does in response to the Room Alert rebooting. The default for each feature is **Off**.

Configure Your Light Tower Or Relay Switch

You may now navigate to another page; however, if you close the web interface before the final step, you will lose your changes.

Now navigate to **Settings** → **Sensors** to associate your profile with a sensor.



1. Find your sensor's interface and choose the profile you've configured from the drop-down list in *Use Alarm Profile*.
2. Select **Save Settings** at the top or bottom of the page. Your Room Alert will automatically reboot and commit your changes.

Manually Controlling Light Tower Or Relay Output

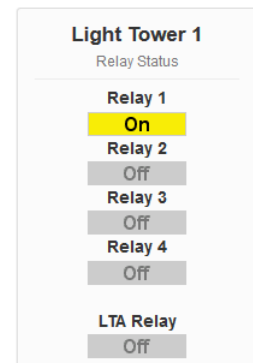
Light Tower



You may also control your Light Tower or Relay Switch manually by navigating to **Settings**→**Status** in your Room Alert web interface and scrolling down to the *Light Towers and Relays* section. There you'll see the *Light Tower* or *Relay Status* box, both shown here.

Click on the appropriate image to toggle your device's features on and off. Here you see the red LED for the Light Tower manually toggled on and the 1st relay on the Relay Switch manually toggled on.

Relay



AVT-171211-1.1.0