

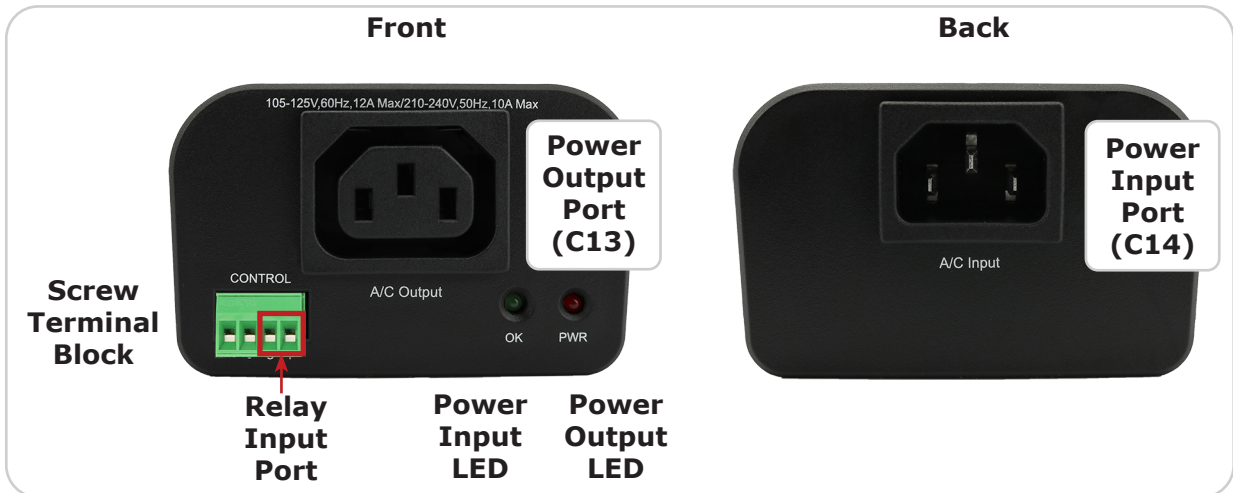
AVTECH's iBoot I/O is a power outlet you can toggle with your Room Alert's relay in response to alarm conditions. Connect electrical devices such as fans, portable air conditioners, and even power strips to the iBoot. In alert conditions, your Room Alert's relay toggles the iBoot's power output, which then toggles your device on or off.



iBoot I/O OFF Package Contents

- One (1) iBoot I/O Power Switch Contact Control
- One (1) 6' AC power input cordset (C13 socket to standard plug)
- One (1) 2' AC power output cordset (C14 plug to standard socket)
- One (1) screw terminal block
- Four (4) rubber feet

iBoot I/O



iBoot I/O Features

LEDs

2 LEDs indicate the state of power to the iBoot and your appliance.

LED	is for...	When it is...	that means...
OK	Main power (AC input) to the iBoot	<ul style="list-style-type: none"> ● Lit solid green ● Unlit 	<ul style="list-style-type: none"> Main power is ON Main power is OFF
PWR	Power output (AC output) to your appliance	<ul style="list-style-type: none"> ● Lit solid red ● Unlit 	<ul style="list-style-type: none"> Power output is ON Power output is OFF

Install Your iBoot I/O

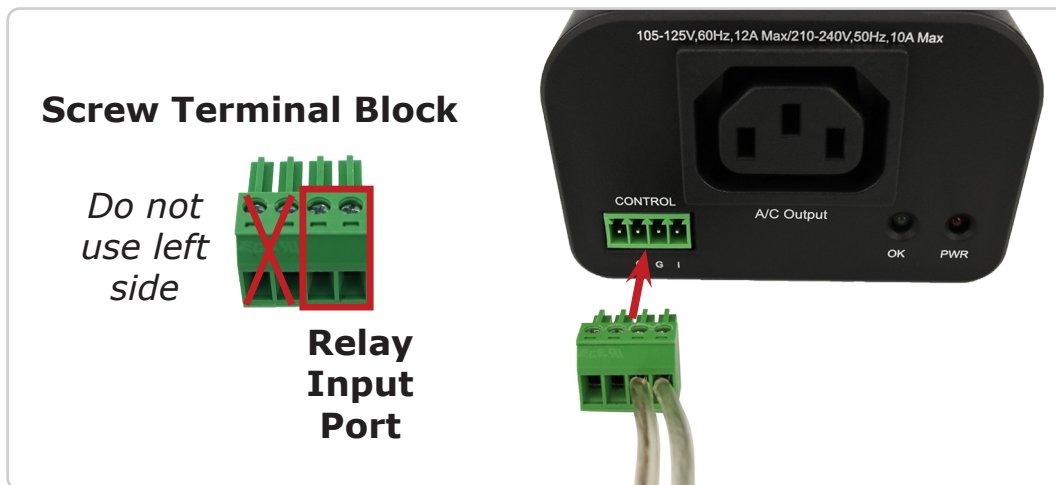


Do not use this sensor in hazardous (classified) locations or life safety applications.

Step 1: Connect the iBoot to Room Alert.

Your iBoot comes with 25' speaker cable. Follow these steps to attach one end to the iBoot and the other to your Room Alert:

1. Separate and strip the free ends of the speaker wire. Expose about ¼" of wire.
2. Locate the green screw terminal block that came in your iBoot packaging.
 - Hold the block as shown below (screws facing up and dry contacts toward you).
 - Open the relay input port by turning the two right-most screws counter-clockwise.
 - Insert the leads from one end of the speaker wire into the relay input port. You may insert either side of the wire into either contact.
 - Tighten the screws by turning them clockwise.
 - Insert the screw terminal block into the green *CONTROL* port on the iBoot.



3. Connect the other end of the speaker wire to a relay output port on your Room Alert or external Relay Switch. The relay output port's contacts are non-polarized, so you may insert either side of the wire into either contact.



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

Step 2: Connect your appliance's power cord to the iBoot's power output cable.



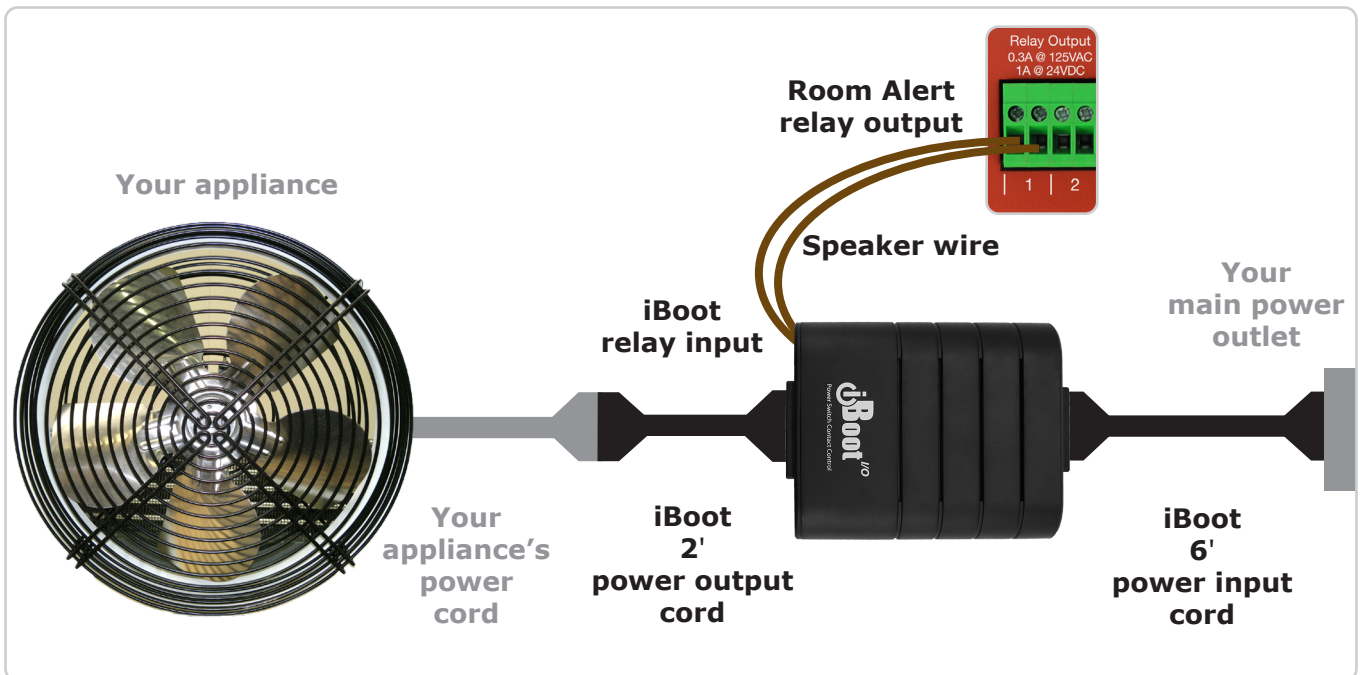
Disconnect power to the electrical device before beginning.

Use an appropriate power cable to connect your electrical appliance to the iBoot's power output cable; consult an electrician if you are unsure if your power cable is compatible with the iBoot's electrical load.

1. Locate the included 2' power output cable. One end of the cable is a C14 plug and the other end is standard socket.
2. Insert the C14 plug into the iBoot's power output port on the front, labeled *A/C Output*.
3. Attach the other end to your appliance's power cord.

Step 3: Connect your iBoot to main power.

1. Locate the included 6' power input cable. One end of the cable has a C13 socket and the other end is a standard plug.
2. Attach the C13 socket to the iBoot's power input port on the back, labeled *A/C Input*.
3. Then insert the other end into main power.



Next Step: Configure your Room Alert relay

Next, configure your Room Alert relay to turn power on and off to your appliance via the iBoot. Room Alert relay on = iBoot power output on = your appliance on.

See pages 5-6 of this installation note for instructions.

Sensor Features & Specifications

Environment Condition Monitored	Turns on/off electrical devices
Type Of Accessory	Power output
Power Supply	Main power
Sensor Cable Type	
<i>Relay output cable</i>	Low-voltage 2-wire speaker cable
Included	Yes
Length	25'
Maximum Extendible Length	100'
<i>Power output cable</i>	Double-ended cordset: C14 plug to standard socket
Included	Yes
Length	2'
<i>Power input cable</i>	Double-ended cordset: C13 socket to standard plug
Included	Yes
Length	6'
Voltage Range	Autosensing 105 to 240 VAC
Capacity	12 A maximum at 105 - 125 VAC 10 A maximum at 210 - 240 VAC
Operating Temperature	32° F to 122° F (0° C to 50° C)
Compatible Products	
Main units	Room Alert 32S, 12S, 3S, 32E/W, 12E, 4E & 3E <ul style="list-style-type: none"> • Models 32S, 12S, 32E/W and 12E have built-in relay output ports. • Models 32S, 12S, 3S, 32E/W, 12E and 3E accept the Relay Switch accessory via an adapter. • Model 4E accepts the Relay Switch accessory directly on a custom port.
Accessories	Relay Switch (4 relay output ports) Light Tower & Relay Adapter (1 relay output port)

Configure Your Relay Output in Room Alert's Built-In Web Interface

Your Room Alert can automatically turn power on or off to an electrical appliance when a sensor goes in and out of alarm state. These instructions show you how to set that up in your Room Alert's built-in web interface.

First, you'll configure your relay Profiles (the on/off actions you want your relay to perform) in your Room Alert's *Alarm Settings* page. Then you'll associate those Profiles with sensors on the *Sensor Settings* page.

Step 1: Configure your relay Profiles.

Navigate to **Settings** → **Alarms** in your Room Alert web interface to configure your relay. You may have one or more of the following:

- The external Relay 1/2/3/4 box, which has 4 individual relay outputs.
- The external Light Tower & Relay Adapter, which has 1 relay output (labeled *LTA Relay*).
- The Room Alert 32S, 12S, 32E or 12E model, which have built-in relays. (2 on the 32S & 32E and 1 on the 12S & 12E.)

The screenshot shows the 'Alarm Settings' page in the Room Alert Monitor web interface. The page is divided into several sections:

- LTA 1 Configuration:** Includes fields for LTA 1 Label (Light Tower 1), LTA 1 Connected (Relay), Relay 1 Label (Relay Output 1), LTA 2 Label (Light Tower 2), LTA 2 Connected (No Light Tower/Relay Connected), and Relay 2 Label (Relay Output 2).
- LTA 1 Action Configuration:** A table with columns for Profile 1, Relay 1, Relay 2, Relay 3, Relay 4, and LTA Relay. Rows include On Alarm and On Clear, each with dropdown menus set to 'Off'. A red box highlights this entire table, with an arrow pointing to the text 'external Relay 1/2/3/4'. Another red box highlights the LTA Relay column, with an arrow pointing to the text 'external Light Tower & Relay Adapter (LTA) relay'.
- Relay 1 Action Configuration:** A table with columns for Profile 1 and Relay. Rows include On Alarm and On Clear, each with a dropdown menu set to 'None'. A red box highlights the Relay column, with an arrow pointing to the text 'built-in relay'.
- Relay 2 Action Configuration:** A table with columns for Profile 1 and Relay. Rows include On Alarm and On Clear, each with a dropdown menu set to 'None'.

1. In the *Label* field for your relay, you may leave the default name (such as "Relay Output 1") 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 (&).

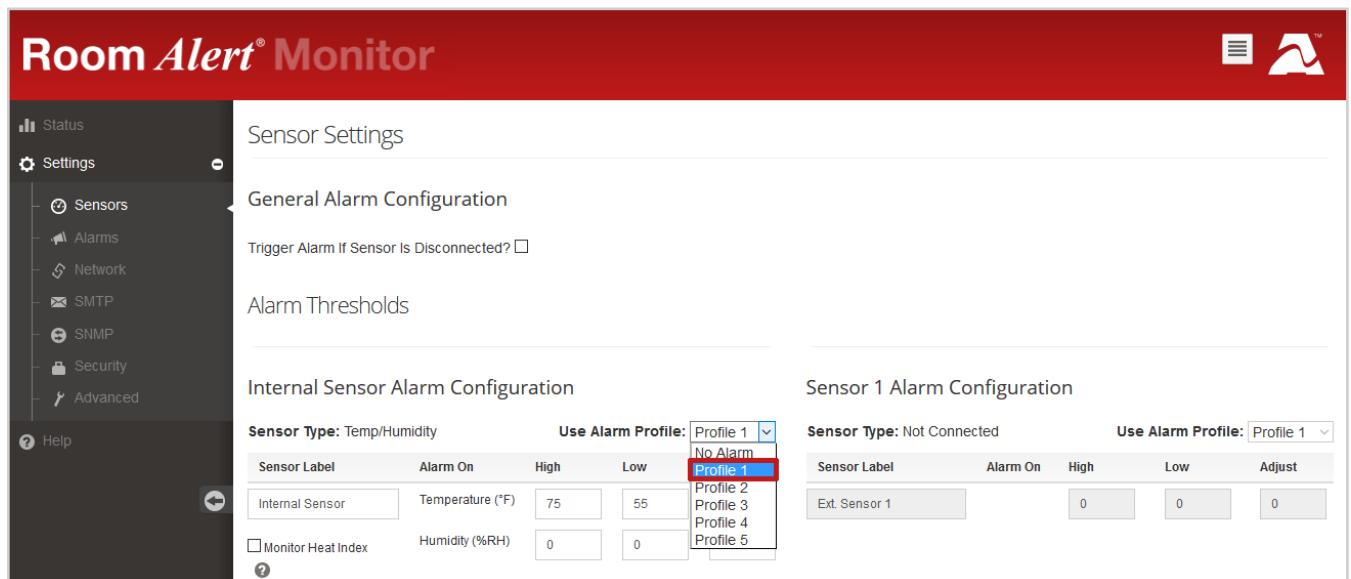
Configure Your Relay Output

2. For external relays only: In *LTA Connected*, select **Relay** from the drop-down list. The matching *Action Configuration* grid will then appear.
3. 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.
 - If you wish, you may also configure a Boot Profile (Room Alert "E" models) or a Default Profile (Room Alert "S" models). Select **Boot Profile** in your "E" model to configure what your relay output does in response to the Room Alert rebooting. Select **Default Profile** in your "S" model to configure what your relay output does when an alarm profile is not in effect.
4. In *Action Configuration*, select what you want your relay to do when the Profile is triggered:
 - Room Alert "E" models: For the external Relay Switch 1/2/3/4 box and the external LTA Relay, you may select **On** or **Off**. **Off** is the default.
 - Room Alert "S" models: For the external Relay Switch 1/2/3/4 box and the external LTA Relay, you may select **On**, **Off** or **None**. **None** is the default.
 - For the built-in relays on the Room Alert 32S, 12S, 32E and 12E, you may select **On**, **Off** or **None**. **None** is the default.

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

Step 2: Associate your relay Profiles with sensors.

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



Room Alert Monitor

Sensor Settings

General Alarm Configuration

Trigger Alarm If Sensor Is Disconnected?

Alarm Thresholds

Internal Sensor Alarm Configuration

Sensor Type: Temp/Humidity Use Alarm Profile: Profile 1

Sensor Label	Alarm On	High	Low
Internal Sensor	Temperature (°F)	75	55
<input type="checkbox"/> Monitor Heat Index	Humidity (%RH)	0	0

Sensor 1 Alarm Configuration

Sensor Type: Not Connected Use Alarm Profile: Profile 1

Sensor Label	Alarm On	High	Low	Adjust
Ext. Sensor 1		0	0	0

Configure Your Relay Output

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.