

AVTECH's Flood Sensor - Cable detects liquid when it bridges any pair of conductive threads twisted along the length of the patented orange cable.

The cable's design allows you to position it in a variety of ways to detect water where it runs or settles, such as on the floor around valuable IT equipment; around a pipe that water runs down; or on a tray in a drop-ceiling beneath a dripping air conditioner.

Flood Sensor - Cable Package Contents

- One (1) Flood Sensor box
- One (1) Flood Cable
- One (1) 25' RJ-11 leader cable
- One (1) 25' speaker wire
- One (1) 5V power adapter
- Two (2) mounting screws



Flood Sensor Box



Flood Sensor - Cable Features

Switch Ports

Flood Detection Port

Use this port to monitor the presence/absence of liquid. Its switch state becomes Open (alarm state) when liquid is detected.

Cable Fault Detection Port (Optional use)

If you wish to monitor the state of the Flood Cable itself, use this port. Its switch state becomes Open (alarm state) under these circumstances:

- The RJ-11 leader cable is disconnected from the Flood Sensor box.
- The orange-twisted Flood Cable is disconnected from the RJ-11 leader cable.

Flood Sensor - Cable (RMA-F008-SEN & RMA-F024-SEN)

- There's a severe pinch, twist or other physical damage to the orange twisted Flood Cable.
- Power is no longer being supplied to the Flood Sensor box.

Switch Port	CLOSED means...	OPEN means...
Flood Detection	Liquid NOT detected (normal)	Liquid detected (alarm)
Cable Fault Detection (Optional)	No cable fault (normal)	Cable fault (alarm)

Status LED

The Status LED indicates the state of the Flood Sensor:

Appearance	Means...
Lit solid	Liquid NOT detected (normal)
Blinking steadily	Liquid detected (alarm)
Double blink (blink twice/pause/blink twice/etc.)	Flood Sensor Cable disconnected

Install Your Flood Sensor - Cable



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

Step 1: Mount your Flood Sensor - Cable.



Do not allow the Flood Sensor box to come in contact with liquid. The box itself plugs into main power and must stay dry.

1. Locate the Flood Sensor box away from water and above any anticipated water line—the box itself plugs into main power and must stay dry. You may mount it using the two included mounting screws.
2. Run the orange twisted Flood Cable where water is most likely to run or settle.

Step 2: Connect the Flood Sensor Cable to the Flood Sensor box.

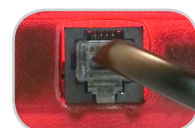
1. Assemble the Flood Sensor Cable:

- Connect the 4-pin custom jack on the orange twisted Flood Cable to the matching port on the RJ-11 leader cable.



- Screw the cover down on the plastic threads for a secure fit.

2. Then connect the RJ-11 leader cable to the RJ-11 port on the Flood Sensor box. Try to avoid running it near large electromagnetic devices or fluorescent lights, which produce EMI and can interfere with sensor readings.



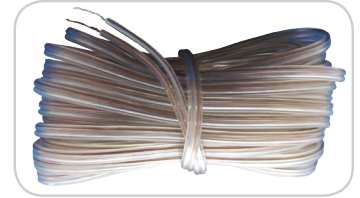
Step 2: Connect the Flood Sensor box to Room Alert.



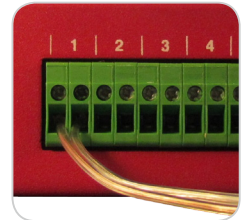
Do not connect the switch sensor inputs (dry contacts) on AVTECH products to any live circuit.

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

Your Flood Sensor box comes with one end of the 25' speaker cable already attached to its Flood Detection switch port, which is non-polarized. Follow these steps to attach the other end to a switch port on your Room Alert monitor 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 monitor 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.



Step 4: Connect your Flood Sensor - Cable to a power source.



Use only the AVTECH 5V 1A power adapter. Others may damage the sensor.

1. Connect the included power adapter to the power port on the Flood Sensor box.
2. Then insert the power adapter plug in to a power source.

Notice that the Status LED lights up when the box is plugged in to power.



Clean Your Flood Cable

Over time, the orange twisted Flood Cable will accumulate dust, dirt, etc., particularly if it's placed on the floor. When the cable gets dirty, it can cause the Flood Sensor to trigger false alerts.

If you receive false alerts, check the cable to see if it needs to be cleaned. We recommend disconnecting it and cleaning it using dish soap and a wet rag. Then let the cable sit for 24 to 48 hours to dry, preferably in a location with low humidity so that the cable does not retain any moisture.

Extend Your Flood Cable

With the 8' Flood Cable Extender (RMA-008CE-SEN), you may extend the length of your Flood Cable to better meet the needs of your specific application.

To assemble, connect the 4-pin custom jack on the Flood Cable to the matching port on the extender. Then connect the 4-pin custom jack on the extender to the matching port on the RJ-11 leader.



You may purchase this extender cable at [AVTECH.com](https://www.avtech.com) or by contacting your Product Specialist.

Sensor Features & Specifications

Environment Condition Monitored	Presence/absence of liquid
Type Of Sensor	Switch
<i>Flood Detection Switch Port</i>	
Normal State	Closed (Liquid NOT detected)
Alarm State	Open (Liquid detected)
<i>Cable Fault Detection Switch Port</i>	
Normal State	Closed (No cable fault)
Alarm State	Open (Cable fault)
Power Supply	AVTECH 5V 1A Power Adapter
Sensor Cable Type	
<i>2-wire low-voltage speaker wire</i>	
Included	Yes
Length	25'
Maximum Extendible Length	900'
<i>RJ-11 leader cable</i>	
Included	Yes
Length	25'
Maximum Extendible Length	100'
<i>Flood Cable</i>	
Included	Yes
Length	8' and 24' lengths available
Maximum Extendible Length	1000'
Compatible Products	Any Room Alert model or Wireless Sensor Hub