



Room Alert Flood Sensor (Spot)

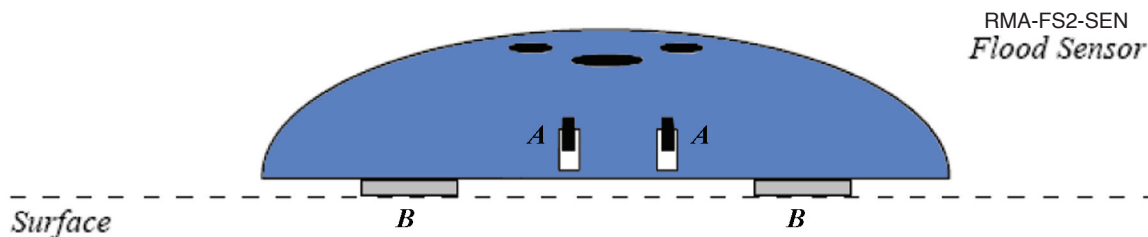
Instructions For Installing The External Flood Sensor

The Room Alert Flood Sensor (Spot) is activated by liquid (i.e. water) bridging the adjustable sensor probes (A) to make a consistent contact. The unit can detect water film from zero height (i.e. sensors turned out to make contact with the floor or surface) to 1/8" height (i.e. sensors turned all the way in). The unit is factory adjusted to activate with 1/32" water film height which is satisfactory for most applications. The three adhesive pads provide a gap between the case and the surface to admit water under the unit, allowing for detection.

CAUTION: If the adhesive pads are removed completely, the Flood Sensor unit may form a seal with the surface. This could prevent the sensor probes from detecting water until water rises high enough to enter through the top of the Flood Sensor.

If desired, the self-adhesive pad (B) feature may be used to secure the Flood Sensor device to a specific area by peeling off the thin protective layer from each pad. This helps ensure that the Flood Sensor remains in place when located on a mounted surface and is important if the surface vibrates or is sloped, allowing for movement over time or when wet. Most facilities have a specific area that is close to a water source or known to be a low spot and therefore collects water before other areas. With this in mind, placement of the Flood Sensor in a specific area where flooding is expected to occur first or known to occur is always the best choice.

Although the two sensor probes (A) may be adjusted to make contact with the surface, it is recommended that a small gap be set between the sensors and the surface so undesired activation caused by dampness, dirt film or placement on an inappropriate surface (i.e. metal) does not occur.



When flooding caused by water or another liquid occurs to create contact between the two adjustable sensor probes (A) on the underside of the Flood Sensor, a switch is tripped open within the Flood Sensor. The opening of this switch sends a low voltage signal to the Room Alert ID Box and generates an alarm condition or status. When the flood condition is eliminated, the switch will reset and the alarm will clear.

Setup And Adjustments

The Room Alert Flood Sensor comes pre-configured for immediate use. Simply connect the open end of the sensor cable to an available set of contacts on the Room Alert ID Box and then place the Flood Sensor in the desired location. The sensor cable can be extended if desired.

CAUTION: It is important to test the Flood Sensor when first installed and on a regular basis to be sure that it is working properly. If the contact wires become damaged, disconnected or simply do not allow proper transfer of the signal, this could cause your organization to miss a critical alarm notification.

To adjust the sensor height, hold a straight edge across the pads (B) closest to the sensor probes. Then, turn the sensors (A) out or until distance to the straight edge equals the desired water detection level.

Once installation is complete, you can easily test the Flood Sensor by connecting the two sensor probes (A) with a paper clip. You should be able to hear the relay transfer.

By holding this connection until Room Alert checks the Flood Sensor, you will generate an alarm condition or status if setup has been completed properly.

Battery

One 9-Volt Alkaline battery is required for use in the Flood Sensor. The battery is normally pre-installed by default so it should be already installed when you first received the unit. If you are replacing the battery, simply remove the old one and connect a battery lead to the terminal connection to the 9-Volt replacement battery. Then, insert the battery into the associated retainer clip. The Alkaline battery should be replaced once per year. Please schedule the replacement of batteries on an annual basis to help guarantee battery reliability. If the Flood Sensor is activated often, the battery may need to be replaced sooner. Only use Alkaline batteries.

Whenever the battery is replaced, it is a good idea and practice to wipe clean the top surface of the Flood Sensor and the two primary sensor posts, check your cable connections and test the Flood Sensor.

IMPORTANT SAFETY NOTICE

The Screw Connectors On The Sensor ID Boxes Are Volt-Free Contacts Only. Do Not Connect These Terminals To Any Live Circuit. A Qualified Electrician Should Be Consulted To Test Any Wires You Connect To The Room Alert ID Box For The Presence Of Electrical Voltages And If Any Are Detected, They Must Not Be Wired To The ID Box. The ID Box May Become Dangerous If You Connect It To A Live Circuit. Never Connect Main Power To Any Of The Room Alert Sensors Unless Specifically Instructed To Do So Using The AVTECH Software 5V Power Adapter. If Required, An AVTECH Software 5V Power Adapter Will Be Included With That Sensor. DO NOT Use Switch Sensors In 'Explosive' Environments Unless Approved For Those Environments.