NetBotz FD100 Fluid Detector

Thank you for purchasing this NetBotz FD100 Fluid Detector. This sensor has been prepared for use specifically with your NetBotz appliance, and will enable you to monitor a remote location for the presence of any liquid with a resistivity of less than 2 MOhms per cm. (including distilled water).

Once you have installed the NetBotz FD100 Fluid Detector and have used the External Sensors task to configure your NetBotz appliance you can use Advanced View and the External Sensors task to ensure that you are notified if fluid is detected.

(!) Note
This external sensor can be used only with NetBotz appliances that feature external sensor ports.

The NetBotz FD100 Fluid Detector package includes the following items:
   • The NetBotz FD100 Fluid Detector module

(!) Note
If the 15-foot cable is not long enough, you can use a NetBotz Extension Cable for External Sensors (available from your NetBotz reseller) to lengthen the cable.

   • Plastic insulator sheet
   • Cable mounting kit
   • This flyer

Installation

To install your NetBotz FD100 Fluid Detector, plug the cable into an available External Port on your NetBotz appliance.

(!) Note
Be sure to note the number of the External Port when you connect the cable; you will need it when you use the External Sensors task to configure your NetBotz appliance. The External Port number is printed above the port on the appliance.

Then, place the fluid-sensing portion of the NetBotz FD100 Fluid Detector at the location that you want to monitor. Be sure to place the side of the NetBotz FD100 Fluid Detector that includes the four fluid sensor contacts so that they are in direct contact with the surface that you want to monitor for the presence of fluid.

(!) Note
The FD100 Fluid Detector cannot be used on conductive surfaces.

When placing the NetBotz FD100 Fluid Detector, be sure to take the orientation of the fluid sensor contacts into consideration. Only matched pairs of fluid sensor contacts will cause an alert to be triggered. For example, in the illustration at right if fluid came into contact with contacts A1 and A2 or B1 and B2 an alert would be triggered. However, if fluid came into contact with only A1 and B1 or A2 and B2, no alert would be triggered.
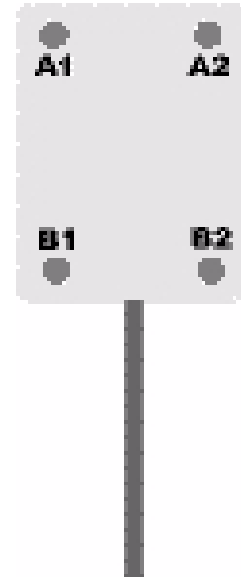
When you have finished installing, use the Advanced View and the External Sensors task to configure the NetBotz appliance to use the NetBotz FD100 Fluid Detector. Note that the FD100 Fluid Detector is a normally open (NO) dry contact sensor.

Once you have configured your appliance, an additional sensor will appear in the Sensor Readings pane. You can use the Dry Contact task to configure the settings for the NetBotz FD100 Fluid Detector. Refer to the documentation that came with your appliance for more information about the Advanced View and the External Sensor settings task.

Placing the Fluid Detector on a Conductive Surface

The NetBotz FD100 Fluid Detector uses electronic circuits to detect the presence of fluid. If the sensor contacts, located on the bottom of the device, are shorted then the fluid detection circuits will not work. Shorting can occur when the sensor is placed on a metal surface, or on some materials, such as cement flooring (particularly cement that is wet), that may be conductive and grounded.

If you are using the Fluid Detector on a conductive surface or concrete floor, be sure to place the fluid detector on the provided insulator sheet to prevent the contacts from shorting. For best results, place the sensor in the center of the insulator sheet.

Caring For and Cleaning Your FD100

While your FD100 is fluid resistant, it is intended for leak detection only and is not designed to be immersed for extended periods of time. Use only plain tap water to clean your FD100: Do not use soap or detergents of any kind.

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