

# WATERGUARD, P/N 3000-H2O INSTRUCTIONS



**PROTECT AGAINST FLOODING** - The Flair Waterguard is designed to detect water or any electrically conductive fluid. The Waterguard will wire directly to any Alarm Panel or Digital Communicators with out the need for any special processors. Just connect the Waterguard to an input loop as you would a standard Open Circuit Switch. When rising conductive liquid reaches the probes the Waterguard will activate, shorting the Loop. With only 1 microampere standby current the Waterguard will also work with Wireless Systems.

## ELECTRICAL SPECIFICATIONS:

Voltage: 5 to 24 VDC  
Standby Current: 1 micro Amp  
Alarm Current: 200 mA  
Loop Type: Normally Open

## MECHANICAL SPECIFICATIONS:

Dimensions: 3" Dia. x 3/4" High  
Termination: 15 Feet #22 AWG Black and Red, Jacket  
Case: Polypropylene  
Potting: Epoxy sealed for maximum resistance  
Colors: White  
Mounting: Sits on Floor, #8 Screw x 1 1/2" L



**TYPICAL OPERATION** - The Flair Waterguard Sensor consists of electronics circuitry designed specifically to detect moisture or water overflow as a result of broken water pipes, basement flooding, sump pump failure or any similar water leaks. The Waterguard wires directly to any control panel without the need for a special processor. One or more sensors can be wired to the same protection circuit of your alarm panel. Upon sensing water, the Waterguard will short the zone and that zone will remain latched in (shorted) until the water level recedes below the sensor probes.

## **INSTALLATION:**

1. Place the Waterguard Sensor on the floor where there is a potential leak with the probes facing down. The sensor can be placed on any flat surface and can be secured with a single #8 screw if necessary.
2. Select a "24 Hour" zone on your control panel, one that is not disabled when alarm is not armed. This zone should be capable of monitoring a Normally Open (NO) loop with or without End-Of-Line (EOL) resistor.
3. Connect the red wire (positive) to the terminal labeled NO, Normally Open, on the alarm panel. Connect the black wire (negative) to the zone Common or Ground terminal on the alarm panel.
4. Test the Waterguard by shorting the two probes with water. This will short the "24 Hour" zone at your panel and generate an alarm. The short will open and the zone will return to normal when the water is removed.