



# Installation Manual

FM-090

## Operation and Installation Instructions for FloodMaster Washing Machine Leak Detection/Alarm Shutoff System Model FM-090

### System Overview:

The FM-090 Series Washing Machine Leak Detection/Alarm Shutoff System is designed to sound an audible alarm and shut down the water feed line when the sensor puck comes in contact with conductive liquid (such as water). The unit requires a 110VAC wall outlet for power and provides an easy reset button. In the event the alarm activates, locate the source of the leak, remove the sensor puck from the water and dry the metal contacts at the bottom of the sensor puck. Correct the problem causing the leak and place the sensor puck in the desired leak detection location once again as required. Press and release the reset button on the alarm box to open the valve and begin the flow of water again. The green power ON/OFF indicator light on the alarm box will flash once to confirm the reset.

All units provide an optional connection to a home security alarm system or control panel. Additional sensor pucks can be added to the system where a wider area of leak detection is required.



### Installation Instructions:

1. Turn off the hot and cold water valves to the washing machine.
2. Remove the hoses from the valve end and not the washing machine end.
3. Install the braided hoses (supplied by FloodMaster) to the hot and cold water valves. The ninety-degree ends can be installed to the house valves or the FloodMaster valve as necessary.
4. Connect the other end of the hoses to the dual FloodMaster valves. Make sure that the arrows on the valve bodies point toward the washing machine.
5. Connect the washing machine's hoses to the other end of the FloodMaster valves.
6. Connect the actuator to the shutoff valve and hand tighten the knurled nut.
7. Tighten all connections. Open the house hot and cold water valves and check for leaks.
8. Mount the FloodMaster alarm box on a convenient wall with the wires facing down.
9. Plug the power transformer into a 110VAC outlet; the green power ON/OFF indicator light on the alarm box will turn on.
10. Place the sensor puck under the washing machine or in a place where it will detect any water that may leak.
11. Function Test:
  - a. Place the sensor puck on a wet paper towel.
  - b. The audible alarm will sound and the valve will begin to close.
  - c. Wait two minutes and turn on the washing machine; no water should flow into the washing machine.
  - d. Remove the sensor puck from the paper towel and dry off the steel pins located on the bottom. Place the sensor puck on the dry floor where leak detection is desired.
  - e. Press and release the reset button on the alarm box to open the valve and begin the flow of water again. The green power ON/OFF indicator light on the alarm box will flash once to confirm the reset.
  - f. Repeat steps a-e for each sensor puck on the system.

### Maintenance:

**Alarm Box** – Exercise (press and release) the reset button on the alarm box annually to ensure correct operation and to maintain product warranty status.

### Optional Feature and Connections:

**Additional Sensor Pucks** – For applications where a wider area of leak detection coverage is desired, additional sensor pucks can be added to the system. Wire additional sensor pucks to the terminal strip along the side of the alarm box, following the same wiring pattern of the original puck. Additional sensor pucks are sold separately; custom lengths are available.

**Security Alarm Connection** – Use for applications where connection to a home security system or control panel is desired. This dry contact relay signal can be wired per your application requirements as follows:

- Red/White – Normally Closed Circuit
- Black/White – Normally Open Circuit

