



Installation Manual

RS-094-MK4

FOR CONVENTIONAL PLUG-IN POWER-VENT GAS WATER HEATERS

Operation and Installation Instructions for FloodMaster RS-094 Water Heater Leak Detection Alarm/Shut-Off Systems with Electrical Plug Interrupter

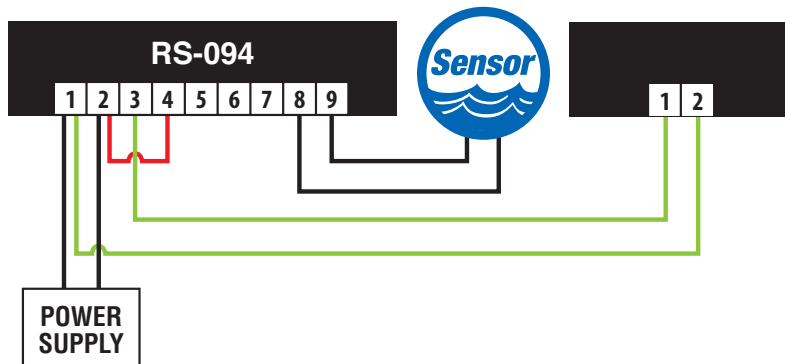


The RS-094 series of Feed Water (Water Heater) Leak Detection and Shut-Off Systems is designed to monitor and respond immediately to water leaks. When a sensor comes in contact with as little as a 1/16" of water (or any other conductive liquid), it will automatically sound an audible alarm and close the valve to shut down the water feed line, thus mitigating damage caused by an undetected water leak. This kit also provides output signal capabilities to automatically kill electricity to the Water Heater Power Vent when a leak is detected. Installation of this device should only be performed by appropriately licensed and certified installers.

OPERATION:

In the event the system activates, locate the source of the leak, remove the sensor from the water and dry the metal contacts on the bottom. Correct the problem causing the leak and replace the sensor in the desired leak detection location once again as required. Press and release the reset button on the receiver to open the valve and begin the flow of water again. The green Power indicator light on the receiver will flash once to confirm the reset.

RS-094-MK4 Kit Pre-Wired at the Factory



⚡ DANGER – Electrocutation Hazard

For use in dry locations only. Always unplug the relay module before servicing or installation. For continued protection against electric shock, plug into grounded outlets only and do not remove the ground pin.

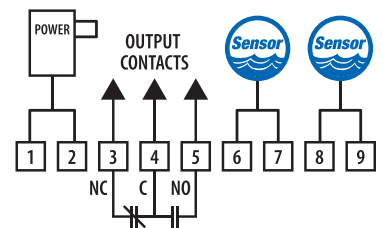
DANGER – Risque d'électrocution

À utiliser dans des endroits secs uniquement. Toujours débrancher le module de relais avant l'entretien ou l'installation. Pour une protection continue contre l'électrocution, uniquement brancher à des prises mises à la terre et ne pas retirer la broche de terre.

INSTALLATION INSTRUCTIONS:

(FloodMaster recommends that installations be completed by a licensed plumber to ensure that all local code requirements are followed).

1. Turn off the water supply feed line to the water heater. Confirm that the Power-Vent Water Heater is unplugged from the electrical supply.
2. Thread the valve body into the feed water line after the manual shut-off. Apply pipe sealant or Teflon® tape to the NPT threads and tighten.
3. The receiver connector comes pre-wired with basic connections to the power supply, sensor and electrical plug interrupter. Using an appropriate screwdriver, make any additional electrical connections as may be desired for output contacts or additional sensors per the diagram provided. *(Note: Additional sensors can be connected to either 6 & 7 or 8 & 9, as wiring space allows.)* Snap the terminal wiring block into the receiver housing at the mating slot provided.



(Continued – See reverse.)



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4. Secure the valve body in one hand and snap the receiver into place on the valve body mounting pad.
(Note: Improper alignment of the valve stem may interfere with proper receiver mounting. If any resistance is encountered, confirm that the witness mark on the valve stem is in alignment with the ports of the valve. Use an appropriate hand tool, such as pliers, to clamp down on the valve stem and turn in the appropriate direction until the desired position is achieved.)
5. Route and secure the 18-2 wire from the Power-Off Relay to the location of the 120 VAC wall outlet that supplies the water heater Power-Vent unit.
6. Plug the Power-Off Relay fully flush into a wall receptacle. Do not plug into an extension cord.
7. Plug the Power-Vent Water Heater cord into the Power-Off Relay and activate the Power-Vent unit.
8. Plug the RS-094 power transformer into a wall outlet. The green Power indicator light on the RS-094 receiver will turn on. Open the water supply feed line.
9. **Function Test the system as follows:**
 - a. Place the sensor on a wet paper towel.
 - b. The audible alarm will sound and the water valve will rotate to the closed position. The Power-Off Relay will also respond to kill power to the Power-Vent unit.
 - c. The red Valve Closed LED will turn on when the valve is completely closed (approximately 45-second cycle time). Open a hot water faucet and inspect for absence of water flow. There should be no flow. Confirm deactivation of the Power-Vent water heater.
 - d. Remove the sensor from the paper towel, dry the contact points and place the sensor back in the desired location on the floor.
 - e. Press and release the Reset button on the RS-094 receiver to open the valve and begin the flow of water again (approximately 45 seconds to fully open position). The green Power indicator light on the RS-094 receiver will flash once to indicate the reset process has begun. Confirm reactivation of the Power-Vent unit.
 - f. Open a hot water faucet and inspect for water flow.

MAINTENANCE:

We recommend an annual test of the unit to ensure proper function. See *Function Test* instructions above. At a minimum, users should exercise (press and release) the reset button on the receiver annually to ensure correct operation and to maintain product warranty status.



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