



## **RS-074-3/4**

### **Battery Operated Water Heater Leak Detection & Automatic Water Shut-Off System**

#### **INSTALLATION INSTRUCTIONS**



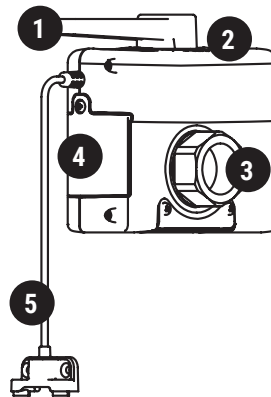
Congratulations on your purchase of an RS-074-3/4 Water Heater Leak Detection & Automatic Shut-Off System from Reliance Detection Technologies. This product is designed to automatically shut off the water supply to a water heater or tank if a leak is detected. This will stop the continuous flow of water from the water supply to the tank. However, all or some of the water that is already in the tank may still leak out onto the floor.

To ensure proper installation and to maximize the performance of your RS-074-3/4 Water Leak Detection System, **please read these instructions carefully before installing or operating the system.**

**Note: this Installation Sheet contains important information about the operation of the RS-074-3/4 system. If this System is being installed for use by a different user, please be sure a copy of these Instructions is left with the system for future reference.**

#### **RS-074-3/4 Components (included in kit):**

- 1 – Closing/Opening Handle
- 2 – Close/Open Indicator
- 3 – Entry/Exit 3/4 NPT Female Thread
- 4 – Battery Housing (Qty. 2 of CR123 (3V) batteries included)
- 5 – Water Leak Sensor



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**Toll-Free: 888-771-4929**

### **System Description:**

The RS-074-3/4 has been designed to detect and prevent water leaks caused by the water heater. The unit is installed on the cold water pipe feeding the water heater. The valve closes automatically when the sensor detects leaking water. In addition, the unit can be shut off manually.

### **System Specifications:**

- NSF/ANSI 372 Certified, lead free valve, 3/4 NPT Thread
- Power Supply: (2) CR123 Lithium Batteries
- Operating Voltage – 3V
- Water Sensor Cable Length – 10 ft.
- Operating Temperature: 32°F / 122°F
- Dimensions: 5.5" L x 2.95" W x 4.33" H
- Weight: 26.1 oz.

### **System Installation Notes:**

**NOTE: The RS-074-3/4 can be installed on existing or new water heater installations. RDT recommends that installations be completed by a licensed plumber to ensure that all local code requirements are followed.**



**Warning: For use with water only. Do not install on gas line. Never install this device on a fire protection or fire suppression system. For indoor use only.**



**Warning: The product includes moving parts. Keep your fingers or other objects away from moving parts.**

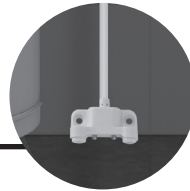
**Installation and/or replacement of Batteries should be performed by authorized personnel.**

- The Shut-Off Valve should be located on the water line feeding the water heater.
- The System should not disconnect a fire extinguishing or sprinkler line.
- Ensure easy access to the battery compartment (opened with a Phillips screwdriver). Ensure a minimum access space of 12 inches.
- The unit can be installed in any orientation. Valve installation is non-directional.
- The unit should be installed with access to the handle.
- Manual opening and closing of the valve handle should be possible after installation.
- The marking of the valve status (Closed/Open) should be clearly visible after installation.

## **System Installation Procedure:**

1. Locate the most suitable place for installation on the water line (as indicated above).
2. Shut down the water supply, using the main valve of the building or supply.
3. Dismantle the water line in a manner that would leave a gap suitable for installing the 3/4" valve (with female NPT fittings on both ends).
4. Install the unit on the water line.
5. Make sure that the manual valve can be opened and closed.
6. Ensure access to the battery compartment. Install Batteries.
7. Open flow of supply line water through the unit. Turn the handle to the Open position.
8. Place water sensor at the base of the tank in the pan or on the floor near the tank. Position vertically with wire lead running back up to the control unit.

### **Proper Sensor Positioning**



**VERTICAL**

### **9. Function Test the System as Follows:**

- a. Place the Sensor on a wet paper towel. The audible alarm will sound and the valve will rotate to the Closed position.
- b. Open a hot water faucet, should not be water flow.
- c. Remove the Sensor from the paper towel, dry the contact points, and place it back in the desired location.
- d. Turn the handle to return the valve to the Open position.
- e. Open a hot water faucet, should be water flow.

***Note: The valve has a monthly automatic self-cleaning cycle***

**NEED INSTALLATION OR SETUP ASSISTANCE?**

**Call toll-free: 888-771-4929**

**[www.RelianceDetection.com](http://www.RelianceDetection.com)**



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