

TECHNICAL SUBMITTAL DATA SHEET

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

Job Name: _____
Engineer: _____
Contractor: _____
Contractor P.O.: _____

Job Location: _____
Engineer Approval: _____
Contractor Approval: _____
Representative: _____

MODEL RS-074-3/4

Typical Installation:

- Water heaters and tanks

Highly Recommended for:

- Single-family homes
- Apartments and condos
- Commercial buildings

Features:

- Completely self-contained
- Battery powered – will continue to operate during power outages
- Reusable and testable
- Audible alarm
- Top handle for easy reset and manual valve shut-off
- Twice monthly automatic valve self-cleaning cycle
- Low battery alert
- Two-year limited warranty

Specifications:

- 3/4" NPT full port, lead-free valve
- Battery operating voltage: 3V
- Cable standard: ISO9001
- Operating Temperature: 32° to 122°F

Approvals:

- NSF/ANSI 372 certified, lead-free valve – meets U.S. EPA Safe Drinking Water Standards
- MA Board of Registration of Plumbers Approval Code # P1-0522-216

Ordering Information:

Valve Size	P/N	UPC
3/4"	RS-074-3/4	811475030795



Unit Dimensions:

5.5" long x 2.95" wide x 4.33" high

Weight: 26.1 oz.

Application Considerations:

The RS-074-3/4 is a self-contained, battery-powered system designed to protect against damage from leaking water heaters. The shut-off valve closes automatically when the sensor detects leaking water to prevent catastrophic water damage.

Installation Overview:

The shut-off unit is powered by a pair of CR123 lithium batteries (included) rated for a 4-year life – no plug or outlet is required. The unit features a 3/4" shut-off valve installed in any orientation on the cold water pipe feeding the water heater. The attached water sensor features a 10-foot lead wire for easy placement at the tank's base in the pan or on the floor near the tank. It should be installed vertically with the wire lead running back up to the control unit.

The system can be performance tested anytime.

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.

Higher-end plug-in systems are also available with multiple valve sizes, dry contacts, plenum-rated components, and more (RS-094 series).