

PRELIMINARY

Overview

The Echoflex U-WLD is a utility room water leak detector. It is a simple and effective wireless device designed to monitor spaces for water leaks and flooding. When water is detected, a signal is sent to immediately alert a receiver or valve to shut off water or take other steps to mitigate water damage.

The detector uses liquid sensing cable technology that can be installed in dark places, such as behind water heaters or dishwashers etc. The cable comes in 3 different lengths to suit the application.

The detector broadcasts a heart beat every 64 seconds to confirm the link with the sensor and to indicate that no water leaks have been detected. If there is water detected, a transmission is issued within 8 seconds.

The push button can be used to clear the sensors leak state or the sensor will automatically clear the leak state once the cable is dry.

The slim profile of the sensor allows it to be mounted unobtrusively behind equipment. The detector can be mounted on a wall or other vertical surface near the floor using a single screw or double sided tape (not included).

The U-WLD can be used by commercial and residential property managers to have a system in place to be immediately alerted to leaks and to be able to minimize water damage when emergencies occur.



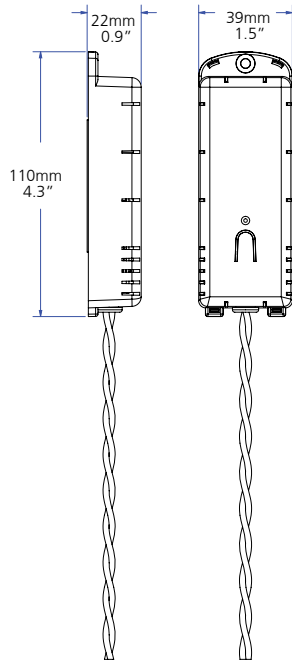
- ### Features
- Wireless Leak Detector
 - Liquid sensing cable technology
 - Sensing cable options: 3, 6 or 10 feet (~1, 2 and 3 m)
 - Leak detection response- time to transmit is less than 8 seconds
 - Works in dark places
 - 64 second heartbeat
 - Red LED indicator
 - Battery powered with 3V lithium coin cell
 - Reliable radio reception range of 24 m (80 ft) - commercial office spaces (typical), up to 100 m (330 ft) line of sight
 - Push button for linking and clearing sensors leak state
 - Mounts with single screw or double sided tape (not included)
 - Available at 902MHz and 868 MHz

Ordering Information

Description	902 MHz Model	902 MHz PN	868 MHz Model	868 MHz PN
Utility Room Leak Detector, cable length 3 feet (~1 meters)	UWLDU-3	8188A1193-X-1	UWLDDY-3	8188A1393-X-1
Utility Room Leak Detector, cable length 6 feet (~2 meters)	UWLDDY-6	8188A1194-X-1	UWLDDY-6	8188A1394-X-1
Utility Room Leak Detector, cable length 10 feet (~3 meters)	UWLDDY-10	8188A1195-X-1	UWLDDY-10	8188A1395-X-1

Dimensional Diagram

Leak Detector



Equipment Profiles - Remote Devices Supported

EEP: D2-14-53	Leak Detection
---------------	----------------

Hardware Specifications

Power Supply	CR2477 - 3V Lithium coin cell battery (not user serviceable)
Battery life expectancy	7 years minimum
Inputs	Single Button (Link and Clear Leak State)
Outputs	Red LED indicator

Communication

Radio Frequency	902 MHz (U), 868 MHz (Y)
Antenna	Integrated Whip
Transmission Range	24 m (80 ft) - commercial office spaces (typical), up to 100 m (330 ft) line of sight
Telegram heartbeat rate	64 seconds
Leak detection response	< 8 seconds

Mechanical Specifications

Enclosure Dimensions	110 x 39 x 22 mm (4.3 x 1.5 x 0.9")
Weight	42 g (1.48 oz)
Cable diameter	6.35mm (0.25")
Cable weight	29.74 g/m (0.02 lbs/ft)
Operating Temperature	-25°C* to 65°C (-13°F* to 145°F) ambient
Relative Humidity (assembly)	5%–92% RH (non–condensing)
Relative Humidity (cable)	0-100% RH (condensing)
Mounting	Single screw, or double sided tape (not supplied)

* will not reliably detect frozen liquid

Regulatory Agencies and Compliance

Radio Frequency

902 MHz model

FCC Part 15.231 -Remote Control Transmitter

IC RSS-210



868 MHz model

CE marking

