

# TECHNICAL SUBMITTAL DATA SHEET

## Wireless, App-Based Plumbing Leak Detection System

|                        |                            |
|------------------------|----------------------------|
| Job Name: _____        | Job Location: _____        |
| Engineer: _____        | Engineer Approval: _____   |
| Contractor: _____      | Contractor Approval: _____ |
| Contractor P.O.: _____ | Representative: _____      |

### MODEL RSC-900-W

#### TYPICAL INSTALLATIONS INCLUDE:

- Common-risk housing – condos and apartments
- Commercial office suites
- New and retrofit construction
- Vacation homes and other unattended properties

#### HIGHLY RECOMMENDED FOR:

- Multi-unit residential complexes
- Commercial office buildings
- Medical and assisted living facilities
- Any facility with a history of insurance claims for water damage

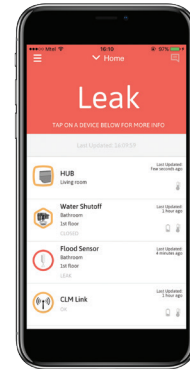
#### FEATURES:

- Mobile app provides automatic notifications and remote user interface
- Addressable sensors with high/low temperature alerts
- Operates via wireless system network; does not use local Wi-Fi
- Cloud-based Central Monitoring Station access is available for commercial multi-unit applications
- Hub supports up to 64 total wireless devices; max. 4 wireless signal repeaters
- System is scalable – add an automatic shut-off valve and actuator at any time

Communications Hub



Wireless Water Sensors



RSC-900 Mobile App

#### APPLICATION CONSIDERATIONS:

The RSC-900-W is a complete wireless, app-based system for managing indoor plumbing leaks, protecting properties and reducing financial losses. If the sensor detects a leak, it sends its location and the alarm type back to the hub. The hub sends notifications to the user via the app. Fault notifications and status check-ins are communicated through the app from any Internet-enabled device. The system is also available with a shut-off valve and actuator for applications where interrupting the water flow is either required or desirable.

#### INSTALLATION OVERVIEW:

**Hub:** Install within 5' of the Internet router and a 120V AC wall outlet.

**Water Flood Sensors:** Install within 200' of the hub\*, in areas where water from a leak is most likely to first accumulate.

\* Repeater(s) may be used to extend range between hub and accessory (+200' max.).

**App:** Free download available for iOS or Android smart phones at the App Store or Google Play. Required for initial system installation and set-up.

**Central Monitoring:** Optional cloud-based central monitoring allows multiple system viewing from one screen. Contact RDT for additional information – 888-771-4929 or info@reliancedetection.com.



Hub and sensors are for interior use only.  
 Do not install any components inside a metal cabinet.

# RSC-900-W TECHNICAL SUBMITTAL DATA SHEET

## ORDERING INFORMATION:

| Valve Size | P/N       | UPC          |
|------------|-----------|--------------|
| None       | RSC-900-W | 811475030177 |

## OPERATING SPECIFICATIONS:

See charts at right for further detail.

### Sensor

Audible Alarm ..... Yes

## CABLE LENGTHS:

Hub Power Cord .. 5'

Ethernet Cable..... 4'

## APPROVALS:

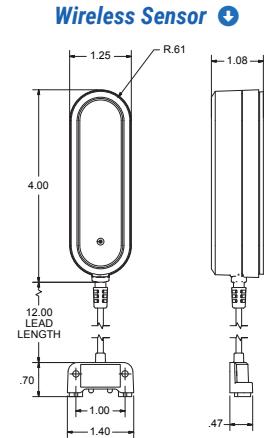
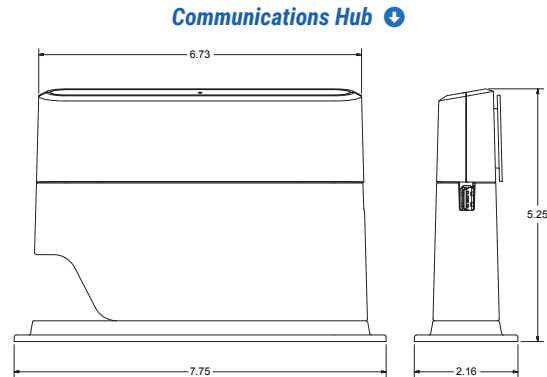
### RSC-900 Wireless System FCC & Industry Canada Info

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

| Certifications: | FCC            | IC              |
|-----------------|----------------|-----------------|
| Flood Sensor    | 2AFOICLMFLD10  | 20798-CLMFLD10  |
| Hub             | 2AFOICLMCTRL10 | 20798-CLMCTRL10 |

Communication Hub: IP Rating IEC60529

## DIMENSIONS & WEIGHTS:



| RSC-900-W Wireless Component Specifications |               |                                    |                  |                         |                               |                 |              |              |
|---|---------------|------------------------------------|------------------|-------------------------|-------------------------------|-----------------|--------------|--------------|
| Component                                   | Weight*       | Power Supply                       | Backup Battery   | Primary Radio Frequency | Operating Temperature         | Communication   | Signal Range | Addressable? |
| Communication Hub                           | 6 oz (170 gm) | External Adapter Input 110-240V AC | (2) AA batteries | 915 MHz                 | -4°F to 122°F (-20°C to 50°C) | Wi-Fi, Ethernet | 200'         | Yes          |
| Wireless Sensor                             | 2 oz (57 gm)  | (2) AAA batteries 2-year life      | N/A              | 915 MHz                 | -4°F to 122°F (-20°C to 50°C) | Wireless RF     | 200'         | Yes          |

\* Weight without accessories attached.

## AVAILABLE ACCESSORIES:

- Extra Wireless Water Flood Sensors (RSC-900-W-001)
- Wireless Rope-Style Water Sensor Kit (RSC-900-W-175)
- Wireless Signal Repeater (RSC-900-X-200) – Max. 4 per system
- Wireless Actuator & Valve (RSC-900-W-310-X)



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