

Wireless, App-Based Flow Monitoring & Automatic Water Shut-Off System

Job Name: _____

Job Location: _____

Engineer: _____

Engineer Approval: _____

Contractor: _____

Contractor Approval: _____

Contractor P.O.: _____

Representative: _____

MODEL RSC-900-F

TYPICAL INSTALLATIONS INCLUDE:

- Common-risk housing – condos and apartments
- Commercial office suites
- New and retrofit construction
- Vacation homes and 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
- Automatic water shut-off (optional)
- 1" self-cleaning full port valve
- Supports multiple flow actuator assemblies (i.e. both hot and cold water lines)
- IP68-rated actuator for indoor/outdoor use
- Operates via wireless system network
- App supports creation of multiple "Zones" to monitor/control designated areas or plumbing subsections within a single system
- Point-of-contact wireless water sensors can be added to system
- Hub supports up to 64 total wireless devices; max. 4 wireless signal repeaters
- Optional cloud-based Central Monitoring for multiple system viewing from one screen – great for commercial multi-unit applications

Communications Hub
(Ethernet model shown)



Flow-Enabled Actuator



1" Shut-Off Valve



RSC-900 Mobile App



Water Flow Sensor



APPLICATION CONSIDERATIONS:

The RSC-900 Flow is a complete wireless, app-based system for monitoring indoor plumbing flow rates on 1" lines and alerting when abnormal usage is detected. Ideal system for those looking to mitigate water damage from an undetected leak, or to simply promote water conservation. Excessive water usage triggers can include a plumbing leak, a dripping faucet or a malfunctioning toilet flap. Select from pre-set flow rates (Low, Medium or High) or set custom flow levels. When abnormal flow is detected, the system will send a push notification to the app, including device location, alarm type and valve status. Water consumption usage by individual sensor is captured and charted within the app – view water consumption trends at the Daily, Weekly or Monthly* level. The flow sensor connects to a standard 1" valve body and communicates with the wireless network through the flow-enabled actuator. The 1" shut-off valve can be programmed via the app to turn off the water flow automatically in the event excessive usage is detected. All fault notifications and status check-ins are communicated through the app from any Internet-enable device. This system also supports point-of-contact water sensors where redundancy is required.

** This device is not intended to replace water meters. It is a tool to manage and reduce unnecessary water consumption.*

INSTALLATION OVERVIEW:

Hub: Choose between Wi-Fi or Ethernet connectivity.

Flow-Enabled Actuator & 1" Valve Body Assembly: Install the 1" valve within 200' of the hub**, on the desired water feed line. Mount the flow-enabled actuator to the valve mounting pad.

Flow Sensor: Install upstream of the 1" valve body and flow actuator. Connect the flow sensor to the actuator with provided cable.

** 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.

