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## AWARE PRODUCT SPECIFICATION SHEET

# AUTOMATIC VALVE ACTUATOR

### DESCRIPTION

The Aware remote water valve actuator is a low-cost, compact, non-invasive solution for pipes up to 1" in diameter. Open and shut valves remotely without hiring a plumber.

The actuator can be accessed remotely using the Aware web platform or mobile site, enabling users to manually open or close the valve from anywhere. The actuator can provide remote confirmation that the valve is operating properly. The unit provides convenient remote control of valves in hard-to-reach areas.

The valve actuator can be integrated with other Aware Leak Detection solutions to provide automated valve control, to automatically shut off water flow in the event of a leak and prevent damage to your property. Notifications are available through the Aware online dashboard, and alerts can be configured through email and/or via SMS.



### TECHNICAL SPECIFICATIONS

Power Supply	5V/2A Adapter; can chain up to 6 valves
Battery backup	Up to 24 hours functional battery backup

### WIRELESS

Technology / Protocol	LoRaWAN
Frequency	900MHz (Global variants)
Wireless Range	1,000 ft + based on environment
Response Time	10 sec.

### KEY FEATURES

- Non-invasive retrofit for installation without a plumber
- Fits pipes up to 1" diameter
- Ball valve operation
- Manual and remote valve control capability
- Long-range LoRaWAN wireless communication

### PHYSICAL SIZE

Body of Actuator	4 6/16" x 1 11/16" x 1" (3.5 cm x 4.3 cm x 2.5 cm)
Probe length	10 1/2" (26.7 cm)

### SOFTWARE FEATURES

Premade Solutions	Leak Detection Hi-Low Temp Alerts
Workflow Engine	User definable events with multiple sensor dependency possibilities
Visualizations	Full suite of data visualizations
Alerting Engine	Send alerts via user console, audio annunciators, email, phone, txt/SMS

### APPLICATION POSSIBILITIES

- Remote valve open and shutoff through Aware web and mobile
- Automatic valve open and shutoff using the Aware Leak Detection solution