Welcome

Thank you for choosing TripleGuard. TripleGuard SMART is the ultimate IoT cloud-based system for home safety. The system is managed via an App and is designed to prevent damage due to water leakage. TripleGuard offers you total peace of mind at home or away.

Please Note

Please read these instructions carefully and follow the system's installation and commissioning steps. Maintain this document in a safe place for future reference. Contact your authorized installer with any questions.

⚠ **WARNING!** This product includes moving parts. Keep your fingers or any other objects away.

⚠ **WARNING!** This product was designed to prevent water leakage damages and should be used for this purpose only.

TripleGuard SMART

TripleGuard's line of products includes innovative battery-operated devices which enable the automated control of water valves. This unifies under the "Smart Home" umbrella. The TripleGuard HUB serves as a Gateway that ensures a secured communication between the system devices, TripleGuard™ Leak Detector cloud, and App.

TripleGuard SMART integrates easily into the Smart Home IoT ecosystem, providing a unique cloud-based secured platform for Water Leak Management.

TripleGuard Actuator Specification:

Part Code	97710
Product Description	The wireless, battery operated water Actuator is mounted on an ISO5211 ball valve installed on the main water line. The water supply automatically shuts off whenever a leak is detected. Shutoff can also be manually controlled by the user.
Dimensions	7.68 x 4.72 x 6.10 inches (19.50 x 11.99 x 15.49 cm)
Weight	1.54 lbs (698.5 g)
Power Supply	4 x 3V batteries (CR123A)
Operation Voltage	6V
Battery Life Span	Up to four years based on one operation per day/5 days a week. Manufacturer recommends to visually inspect batteries every year.
Operating RF	868/915 MHz
Transmission Range	Open space - up to 750 ft. (230 m) In enclosed space - up to 390 ft. (120 m) Avoid installing in a metal cabinet.
Certifications	FCC: 2AFOICLMASOU20 IC: 20798-CLMASOU20
IP Rating IEC60529	IP68
Working Temperature	-4°F to +122°F (-20°C to +50°C)

Actuator description

A. Shutoff valve motor

B. Motor stem position window

C. LED Indicator

D. Multipurpose Button

E. Battery Housing

F. Mounting Adaptor

G. Lock

H. Battery Cover

The wireless, battery operated Actuator is installed on any ISO5211 valve using two screws (included). It is IP68-rated (dust and water resistant).
- The Actuator and the ISO5211 valve should be installed on the main water line.
- A Fire extinguishing line or a fire sprinkler water line should never be disconnected.
- Ensure easy access to the actuator in case it requires service.
- The unit can be installed perpendicularly or in parallel with the pipe.
- With the utilization of the locking pin, a comfortable actuator disconnection should be possible after installation.

- The Actuator should not be placed inside a metal cabinet.
- Do not immerse the Actuator in water deeper than 3 feet (1 m).
- Do not immerse the Actuator for more than 15 minutes.
- Damages to the device can ruin the waterproof and dust resistance.
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Actuator Batteries Insertion/Replacement

1. Loosen the battery cover screw.

2. Remove batteries from the clear plastic wrap and install with the positive end towards the top of the valve as shown.

3. Replace the battery cover and tighten the screw to ensure a waterproof seal.

4. The Actuator will perform a self-test, and the motor stem will turn.

Actuator Mounting And Alignment

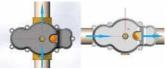- The factory default status of the Actuator is defined as "OPEN".
- Shut down the water supply.
- Install the ISO5211 ball valve and assure it is in an "OPEN" position.
- Using the provided screws, washers and nuts, install the mounting adapter on the ISO5211 ball valve.
- Fit the Actuator on the mounting adapter and use the lock pin until it reaches its mechanical limit.
- Parallel actuator unit mounting: Use the long mounting adapter when mounting the actuator in parallel.

Actuator's Alignment Reset

The Actuator stem includes a directional indicator. In case that you require to change the Actuator "OPEN" position status default angle, follow the following steps:

- Unlock the Actuator and pull it out from the valve.
- Reset the Actuator default alignment position by pressing the Actuator multipurpose button for at least 20 seconds. Wait until the RGB LED light up green for 10 seconds. Default position was successfully changed. Check your App.
- Once the alignment is default was changed, toggle the Actuator to the "OPEN" position manually by pressing on the multipurpose button for 4 seconds.
- Install and lock. Check that the App and water flow are properly set.

Expected Actuator LED Behavior

To save the Actuator battery, the LED indicator is not active unless the multipurpose button is momentarily pressed: Short press (less than 1 second) system status indication mode. The RGB LED presents the status indicator will flash for 15 seconds.

- GREEN flashes– OK
- BLUE flashes– communication problems
- RED flashes– low battery
- GREEN steady for 10 seconds – Position default reset (see above).

System Device Synchronization and Activation

TripleGuard devices are installed and activated using the TripleGuard™ Leak Detector App available on App Store and Google Play. It is recommended to test the unit before installation. RectorSeal, LLC warrants the TripleGuard (product only) to be free of defects in workmanship, and material for a period of up to one year from date of purchase.

This Actuator should be installed by an authorized plumber.

Warranty Instructions

Please visit www.rectorseal.com/tripleguard-support for warranty, technical support, terms, and conditions or troubleshooting.RectorSeal, LLC warrants the TripleGuard (product only) to be free of defects in workmanship, and material for a period of up to one year from date of purchase.

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