

Triple+ CLM™ Actuator and Water Flow Sensor Installer Guide v3.0

P/N: CLM-SHAMAP-1-25, CLM- SHEMAE-1-25

◆ Welcome

Thank you for choosing Triple+ CLM™. Triple+ CLM™ is the ultimate Water Leak Damage Prevention cloud-based system. The system is managed via an App and is designed to prevent damage due to water leak. Triple+ offers you a total peace of mind when you are in 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 leak damages and should be used for this purpose only.

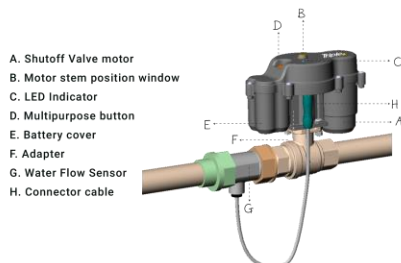
◆ Triple+ CLM™ system

Triple+ CLM™ line of products includes innovative battery-operated devices which enables the automated control of water valves. This is unified under the "Smart Home" umbrella. The Triple+ CLM™ HUB serves as a Gateway that ensures a secured communication between the system devices, Triple+ cloud and App. Triple+ CLM™ integrates easily into the Smart Home IoT ecosystem, providing a unique cloud-based secured platform for Water Leak Management.

◆ Actuator and Water Flow Sensor specification

Part No.	CLM-SFAMAP-1-25, CLM-SFEMEA-1-25, CLM-FSAMAP-1-00, CLM-FSEMEA-1-00
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. The Triple+ CLM™ Water Flow Sensor is designed to measure the water flow rate. Abnormal water consumption will not generate automatic shutoff of the Actuator.
Dimensions	142x73x92mm (5.6x2.87x3.62")
Weight	640gr (22.5 Oz)
Power supply	4 x 3V batteries (CR123A)
Operation voltage	6V
Battery life span	Up to two years based on one operation per day/5 days a week.
Operating RF	868/915 MHz
Transmission range	Open space - up to 230 m (750 ft.) Indoor - up to 120 m (390 ft.) Avoid installing in a metal cabinet.
Compliant to	FCC: 2AFOICLMASOU20 IC: 20798-CLMASOU20
IP Rating	IEC60529 IP68
Working temp.	-20°C to +50°C (-4°F to +122°F)
Mounting pad	ISO5211

◆ Actuator with Water Flow Sensor description



- The wireless, battery operated Actuator is installed on any ISO5211 valve using 2 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 1.0 meters (3').
- Do not immerse the Actuator for more than 15 minutes.
- Damages to the device can ruin the waterproof and dust resistance.

◆ 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

1. The factory default status of the Actuator is defined as "OPEN".
2. Shut down the water supply.
3. Install the ISO5211 ball valve and assure it is in an "OPEN" position.
4. Using the provided screws, washers and nuts, install the mounting adapter on the ISO5211 ball valve.
5. Fit the Actuator on the mounting adapter and use the lock pin until it reaches its mechanical limit.

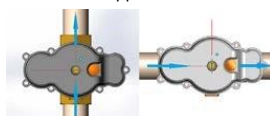


Parallel actuator unit mounting: Use the long mounting adapter when mounting the actuator in parallel

◆ 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:

1. Unlock the Actuator and pull it out from the valve.
2. 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.



2. Once the alignment is default was changed, toggle the Actuator to the "OPEN" position manually by pressing on the multipurpose button for 4 seconds.

3. 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 indication 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

Triple+ CLM™ devices are installed and activated using the Triple+ CLM™ installer's or End-User APP available on AppStore and Google Play. It is recommended to test the unit before installation.

This Actuator should be installed by an authorized installer.

Warranty instructions: Visit www.tripleplus.io/support for warranty, technical support, terms and conditions or troubleshooting. PW000103