

Triple+ ZigBee Actuator User's Manual v0.1

P/N: ZBS-SHAMAP-1-20

◆ Warnings

Please read through the instructions carefully and follow the steps of the system's installation and commissioning.

Please maintain this document in a safe place for future reference. When in any doubt, contact your authorized distributor or installer.

⚠ Warning! The product includes moving parts. Keep your fingers or other objects away from moving parts.

⚠ Warning! This product was designed to prevent water leaks and as such should be used for water piping only.

◆ Actuator specification

Part No.	ZBS-SHAMAP-1-20
Product description	The wireless, battery operated water actuator is installed on the main water pipe. It actuates the water supply whenever a risky event is identified or when manually done by the user. The system can be easily integrated with an existing alarm and IoT systems, allowing the property owner to monitor and control the water infrastructure via a mobile device.
Dimensions	142x73x92mm (5.6x2.87x3.62)
Weight	640gr (1.41Lbs)
Power supply	4 x 3V batteries (CR123); removable compartment cover
Operation voltage	6V
Battery life span	Up to five years, subject to the usage profile and valve use frequency
Operating RF	2.4GHz
Transmission range	Open space - up to 230 m (750 ft.) When a wall is within the space - up to 120 m (390 ft.) To avoid damaging the wireless communication, avoid installation within metal cabinets.
Compliant to	FCC/IC
IP Rating IEC60529	IP68
Working temperature	-20 to +50°C (-4 to +122°F)
Actuator mounting pad	ISO5211

◆ Actuator description

- A. Actuator's motor.
- B. Bottom part of the case.
- C. Motor stem position window.
- D. Indication RGB LED.
- E. Multipurpose button.
- F. Top part of the case.
- G. Screw tunnel.
- H. Battery housing.
- I. Mounting fitting.
- J. Lock



- The wireless, battery operated water actuator is installed on any ISO5211 valve. It will actuate whenever a risky event is identified or when manually requested by the user. This actuator is mounted on a ISO5211 flange using 2 screws, provided with the installation kit. It is IP68-rated, meaning that its

enclosure is both dust and water tight and can also be submerged into water, according to IP68 limitations, stated below.

- The integrated ball valve whose parts come in contact with water meets the lead-free requirements of NSF-372 (NSF-61).
- The actuator and the ISO5211 valve should be installed on the main water line.
- The system should not disconnect a fire extinguishing line or a fire sprinkler line.
- Ensure easy access to the actuator unit in case it might be required for 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.
- Do not position actuators within metal cabinets.
- Do not immerse the product in water deeper than 1.5 meters and do not keep it submerged in water less than 1.5 meters deep for more than 30 minutes.
- Do not expose the product to water moving with force, such as water running from a tap.
- If the product is exposed to freshwater, dry it thoroughly with a clean, soft cloth.
- If the product is exposed to any liquid other than freshwater, gently rinse it with still fresh water immediately and dry it thoroughly with a clean soft cloth. Failure to gently rinse the device in still fresh water and dry it as instructed may cause the product to suffer from operability or cosmetic issues.
- If the product is dropped or receives an impact, the water and dust- resistant features of the device may be damaged.

◆ FCC/IC Statement

To comply with FCC and IC RF exposure compliance requirements, the device should be located at a distance of at least 20 cm from all persons during normal operation. The antennas used for this product must not be co-located or operated in conjunction with any other antenna or transmitter.

Le dispositif doit être placé à une distance d'au moins 20 cm à partir de toutes les personnes au cours de son fonctionnement normal. Les antennes utilisées pour ce produit ne doivent pas être situés ou exploités conjointement avec une autre antenne ou transmetteur.

Warranty instructions

Please visit www.tripleplus.io/support for warranty, technical support, and self-solving tools.