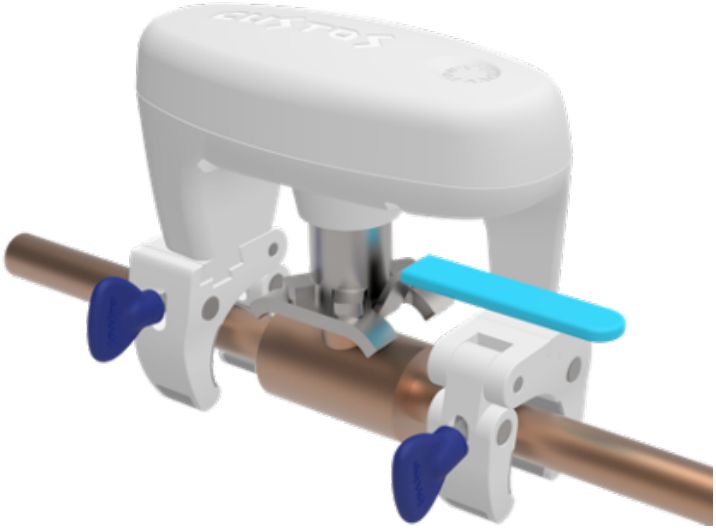

Motor Servo for Ball Valves (LoRaP2P)

SKU: BVSLWE02
Version: 1.0.0

Product Description

This motor converts existing and installed ball valves into intelligent water control devices. Thanks to the innovative clamp mechanism, it can be installed on shut-off valves with a pipe diameter between 0.5 and 1.5 inches within minutes, without the need for additional tools, and can be removed just as easily. A patented coupling mechanism allows for torques of up to 8 Nm, enabling it to function even with rusty and old valves. The servo motor is waterproof and can be used in damp, dirty, and outdoor environments.

In the open position, the motor automatically performs valve training once a week (closing/opening by 1/8 turn to remove dirt and scale). The device is also capable of measuring the rotation angle and detecting the end positions of the lever. It approaches the end positions slowly to avoid friction and unnecessary mechanical stress. It is powered by an external 12V power supply through a waterproof coupling.

Incorporating an additional water sensor directly connected to the device enhances functionality, enabling the motor to serve as a leak protection system without the need for further configuration or wireless connectivity.

The device can be directly connected to an Aqua-Scope leak monitor and sends its information directly to the Aqua-Scope system. For controlling the device using LoRaWAN please use SKU BVSLWE01.

Scope of Delivery

- Motor with power cable
- 1 * wired flood sensor pad
- 12 V Power Supply

Technische Daten

- Modell-Nummer: BVSLWE01 (EU)
- Abmessungen 14.8 x 9.6 x 13.3mm
- Gewicht des Hauptgerätes: 603g
- Gerätefarbe: Weiss
- Max. Drehmoment an der Kopplungsgabel: 7 Nm
- LoRa
    - LoRa Modul: SX 1261
    - Frequenz EU: 868.42 & 869.85MHz
    - LoRa-Protokol: P2P mit SF9
- Zubehör und Schnittstellen
    - Water Leak Sensor Local Water Leak Sensor Probe
    - Temperatursensor: MCP9700x eingebaut, Messbereich -40°C to +125°C / (-40°F to +257°F)
    - Taste: ein wassergeschützter Touchbutton
    - Indikator: Dreifarben - LED. (Grün, Gelb, Rot)
    - Eingebauter Buzzer: (Max. 85dB)
- Stromversorgung
    - Eingangsspannung AC-DC: AC (110V 60Hz / 220V 50Hz); DC (12V / 1A)
    - Stromverbrauch Standby: ~10mA @ 12VDC = 0.12W
    - Stromverbrauch bei Motorbewegung: Max. ~700mA @ 12VDC = 8.4W
- Umweltbedingungen
    - Versand/Lagerung: -30 °C ... +70 °C
    - Betrieb: - 20 °C ... 60 °C
    - Schutzgrad: IP66 bis zum Netzteil, Netzteil selbst ist IP20
    - UN Zolltarifnummer: 85011093900