



Bridge between AQS-LoRa and Dry Contacts

SKU: DRYLWE02

Version: 1.0



Product Description

The Dry Contact Controller connects wireless Aqua-Scope devices that are both controlled and controlling with the world of wired controls. With this device, it is possible to control an Aqua-Scope motor servo directly through a switch input. This switch input can be directly connected to an actuator of your alarm system or smart home system (Shelly, Z-Wave, Smarthings, Bosch, Homematic, ...). The Dry Contact Controller will transmit the information at the switch input wirelessly as a control signal to the motor.

Conversely, a normal magnetic shut-off valve or a similar actuator can be controlled by the Aqua-Scope sensor/monitor using the Dry Contact Controller.

The device requires a power supply, which can be provided through a regular 6...16 V AC connection, a USB-C power supply, or a 3 V battery. All connections, including switch inputs, switch outputs, and power supply, are connected via screw terminals. The button on the device can be used to test the quality of the wireless connection



to or from the Aqua-Scope device.

Scope of Delivery

- Main Device

Technical Data

- Platform: STM32WLE5CCU6
- Wireless Connection:
 - Spec: LoRa P2P
 - SF: 9, coding 4/5
 - Frequency: EU868
 - Range: > 2km (TX 22 dB)
- Protection: IP 20
- GPIOs
 - Output: max. 20 mA
 - Input: min. 10 uA
- Power consumption
 - Sleeping: 30 uA
 - RX: 8.5 mA
 - TX: 87 mA (@ 20 dbm 868 MHz)
- Environmental Conditions
 - Shipping and Storage: -65 °C ... 125 °C
 - Operation: - 40 °C ... 85 °C
 - Humidity:: 0...80 %
- Dimensions: 40 x 24 x 14 mm
- Weight (without Battery): 10 gr.