



Leakage-Protection 'Basic' for Gate Valves

SKU: AQSKFR01

Version: 1.0

Product Description

The Aqua-Scope Leak Protection 'Basic' for KFR valves offers comprehensive monitoring of a building's water pipes, automatically shutting off water in the event of leaks and wirelessly notifying residents. The system comprises two key components:

- The Aqua-Scope Monitor provides continuous monitoring of the entire piping network from a single location within the house. Equipped with an acoustic water sensor, the monitor detects leaks and features an external 1/4 inch water sensor attached to the housing. This sensor is conveniently mounted on the house water pipe using a T-piece at an easily accessible location. Beyond leak alarms, the device continuously monitors water pressure and temperature.
- The actuator is installed on an existing KFR angle seat valve without disrupting water supply. It promptly shuts off the water upon detecting a leak, preventing further damage. During routine pipe checks, even microleaks with a water loss of 4 ml/h or more are identified. Users have the flexibility to control water flow manually or set programmable timers through



a mobile app, allowing for convenient on/off commands, such as during weekends.

Control of the system is centralized through a mobile phone app. Furthermore, data can be transmitted to an MQTT server or an HTTP 'webhook,' facilitating integration with modern Smart Home systems. The devices communicate using robust LoRa wireless technology, enabling installation on different floors, in the basement, or even outside the house.

Scope of Delivery

- **KFRLWE01**
 - Motor with power cable
 - 4 * adapter rings to connect to the valve housing
 - 3 different connectors for the stem
 - One small Distancing and the Splitring for EWE Valve Design
 - Holder plus 2 wrist bands
 - Main sleeve plus internal coupler
 - Two Distance rings
 - External wired Flood Sensor (ALIXXX01)
 - Dry Contact Controller (DRYLWE02)
 - External Power Supply
 - Spare Hand Wheel
 - Users Manual
 - 57 gr Epoxy
- **AQSWIE02**
 - Water Monitor main device (without battery)
 - Pressure sensor head with 80 cm cable
 - 3/8 Inch water pipe connector (T-shaped)
 - One external flood sensor with cable
 - USB-C power cable and power supply
 - 19 mm wrench to unfasten and fasten the 3/8 Inch connections of the pipe connector