

Radio-controlled water valve WaterControl 01



- Immediate shutting off of the water pipe in the case of a leak
- Reduced damage after pipe burst

Application For manually or remotely controlled closing and opening of a water pipe in buildings in response to an event message from the water sensors WaterSensor eco or WaterSensor con.

Description WaterControl 01 consists of a shut-off valve and a control unit with power supply and an EnOcean® wireless module. The shut-off valve features a drinking water-approved ball valve with an electric motor which is integrated in the water-carrying pipe. Four versions with different connection diameters are available: Connection threads G¾, G1, G1¼ and G1½. There are five ways to open and close the shut-off valve in the water pipe:

- Open/close the shut-off valve mechanically at the operating handle
- Open/close the shut-off valve electrically via buttons at the control unit
- Open/close the shut-off valve via water sensors
- Open/close the shut-off valve via EnOcean® switch
- Open/close the shut-off valve via EnOcean® centre and smartphone

The control unit has a permanent wireless connection to the water sensors WaterSensor eco or WaterSensor con and/or the AFRISO Gateway. An event message is triggered if the water sensors WaterSensor eco or WaterSensor con detect a leak, e.g. caused by a defective household appliance or a water pipe burst. WaterControl 01 can be used, for example, to shut off the water pipe to keep further water from escaping. The AFRISO Gateway transmits alarm messages and status messages via WLAN, LAN and GSM to the person in charge (for example, to the owner, the facility manager, the janitor or other configured contacts); the message includes information on which water sensor has signalled the state transition.

The AFRISO Gateway in conjunction with additional AFRISO products with EnOcean® wireless technology allows the user to configure a whole range of fully customisable, extensible applications.

Technical specifications

Housing
Wall mounting housing made of impact-resistant plastic (ABS)
W x H x D: 100 x 188 x 65 mm
Weight: 430 g
Degree of protection: IP 40 (EN 60529)

Ball valve (DVGW-tested) with motor
W x H x D: 65 x 140 x 70 mm
Weight: 800 g to 2 kg
Degree of protection: IP 40 (EN 60529)



Supply voltage
AC 100–240 V

Nominal power
Motor at standstill: < 2 VA
Motor running: < 5 VA

Number of devices to be connected

- Max. 1 EnOcean® centre
- Max. 20 WaterSensor con units
- Max. 10 WaterSensor eco units
- Max. 10 EnOcean® switches On/Off

Operating temperature range

Ambient: 0/50°C
Storage: -10/+80°C
Medium: 4/80°C

EnOcean® wireless

Frequency: 868.3 MHz
Transmission power: Max. 10 mW
Range: 10 to 30 m (depending on room arrangement and materials in the building)

| DG: G | Part no. | Price € |
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| WaterControl 01 G¾ | 42675 | |
| WaterControl 01 G1 | 42676 | |
| WaterControl 01 G1¼ | 42677 | |
| WaterControl 01 G1½ | 42678 | |