WaterStop

Remotely controlled water shutoff valve

Compatibility

Hubs

Hub Plus ❯

Hub 2 (2G) ❯

Hub 2 (4G) ❯

Hub 2 Plus ❯

Hub Hybrid (2G) ❯

Hub Hybrid (4G) ⊘

Radio signal range extenders

ReX ⊘

ReX 2 ⊘

Communication

◈ Jeweller communication technology

Proprietary wireless technology for transmission of events.

Features:
- Two-way communication.
- Protection against device spoofing.
- Block encryption featuring a floating key.
- Instant notifications.
- Remote configuration via the Ajax apps.

Learn more ⊘

Radio frequency bands

866.0 – 866.5 MHz
868.0 – 868.6 MHz
868.7 – 869.2 MHz
905.0 – 926.5 MHz
915.85 – 926.5 MHz
921.0 – 922.0 MHz

Depends on the sales region.

Maximum effective radiated power (ERP)

up to 20 mW

Automatic power control to reduce power consumption and radio interference.

Radio signal modulation

GFSK

Radio communication range

up to 1,100 m

Between the device and the hub (or radio signal range extender) without obstacles.

Calculate radio communication range ❯

Radio signal encryption

All the data stored and transmitted are protected by block encryption with a floating key.

Frequency hopping

To prevent radio interference and jamming.

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Operating components

shutoff valve

½, ¾, or 1" Bonomi shutoff valve provided.

electric actuator

Controls water supply.

mount

Installs between the shutoff valve and the electric actuator.

mounting lockers

Fixes the electric actuator on the shutoff valve. There are two options: standard (pre-installed) and alternative (for installation in public places).

Water shut-off

shutoff valve

Fields of application

water supply

heating systems

Operating fluid

hot and cold water

non-aggressive liquids

Shutoff valve material

brass

Connection type and thread of shutoff valve

female—female

Thread size:

- ½" (15 mm)
- ¾" (20 mm)
- 1" (25 mm)

Operating pressure

40 bar

The temperature range of liquids the shutoff valve is suitable for

from +5°C to +120°C

Flange for connecting the electric actuator

mount

Made according to the ISO 5211 standard.

Lever on mount

For manual water supply shut-off in emergencies. Water supply control requires no tools.

Water shut-off

electric actuator

Torque

up to 10 N•m

Speed of water shut-off

up to 5 seconds

The value may increase due to contamination of the shutoff valve.

Remote control

device is configured and controlled via Ajax apps

Ajax apps also display the current state of the device: open/closed, battery charge status, external power supply, and communication with the hub.

Manual control

button on the electric actuator enclosure

When pressed, the shutoff valve opens/closes.

Additional features

Installation

- quick dismantling and installation of the electric actuator on the flange without tools
- 4 installation positions of electric actuator on the flange
- mounting lockers for protection from unauthorized dismantling

The design allows installation, maintenance, and repair of the device in hard-to-reach places: mine, technical box, wall, etc. It is possible to replace the actuator unit without dismantling the shutoff valve. The electric actuator is removed from the valve without tools.

LED indication

The colour of the LED illumination of the Ajax logo indicates the electric actuator status.

Scenarios

- reactions to alarms

- security mode change reactions
- scheduled actions
- by pressing Button
- by temperature
- by pressing LightSwitch

Learn more ❯

Temperature protection

The electric actuator is protected against overheating. It can operate at temperatures up to 60°C at the installation location.

ⓘ **Recommendations**

The device is intended for indoor use. Contact a plumber to install the shutoff valve.

Anti-sabotage protection

Protection against spoofing

device authentication

Detection of communication failure

from 36 s

The time to detect communication loss depends on the **Jeweller** (or **Jeweller/Fibra**) settings.

Learn more ⊙

Tampering alarm

Notifies about attempts to detach the enclosure from the mount.

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Mounting lockers for fastening

The kit includes two options:

- **Standard (pre-installed)** — for quick fixing of the electric actuator on the shutoff valve. Easily removable for quick valve access.
- **Alternative** — installed instead of a standard locker. Securely fastens the electric actuator to the shutoff valve. Protects against unauthorized dismantling of the electric actuator.

Power supply

Battery powered

4 × CR123A battery

Up to 3 years of battery life.

Optional external power supply

9 V⎓, 2 A

The batteries become a backup power source when external power is connected.

Enclosure

Dimensions

104 × 140 × 70 mm

Full size (shutoff valve Bonomi ½" + electric actuator).

104 × 150 × 70 mm

Full size (shutoff valve Bonomi ¾" + electric actuator).

104,5 × 159 × 70 mm

Full size (shutoff valve Bonomi 1" + electric actuator).

93 × 70 × 95 mm

Dimensions of the electric actuator.

75 × 27 mm

Dimensions of the ½" Bonomi shutoff valve.

80 × 32 mm

Dimensions of the ¾" Bonomi shutoff valve.

90 × 41 mm

Dimensions of the 1" Bonomi shutoff valve.

Weight

869 g

Total weight (shutoff valve Bonomi ½" + electric actuator).

1012 g

Total weight (shutoff valve Bonomi ¾" + electric actuator).

1336 g

Total weight (shutoff valve Bonomi 1" + electric actuator).

536 g

Electric actuator weight.

333 g

The weight of the ½" Bonomi shutoff valve.

476 g

The weight of the ¾" Bonomi shutoff valve.

800 g

The weight of the 1" Bonomi shutoff valve.
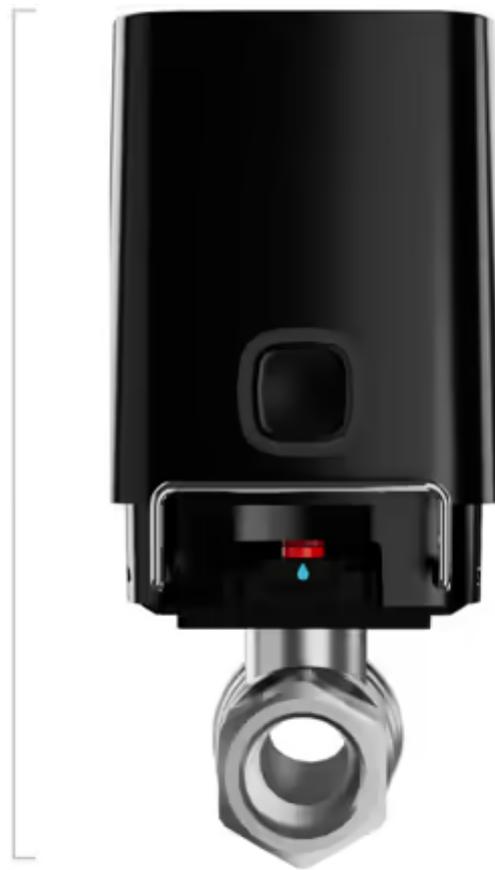
Operating temperature range

from 0°C to +60°C

Operating humidity

up to 95%

Protection class

IP56

150 mm

70 mm

104 mm

95 mm

70 mm

93 mm

80 mm

Colours

Black

White

Complete set

WaterStop Jeweller

4 CR123A batteries

Pre-installed.

Quick Start Guide

Additional information

Compliance with standards

Learn more ⊙

Warranty

24 months

Learn more ⊙

Software

| | Available on **App Store** | | | Available on **Google Play** |

Company

About

Why Ajax

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All products

Scenarios

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