Relay

Radio channel controller for remote control of low current equipment. It is used to activate electric locks, gates and swing gates, rolling shutters and blinds, and to restart modems and routers.

- Authentication to prevent forgery
- Jamming detection and communication channels encryption
- Protected from power surges and overheating

With one click in the mobile application, the device switches domestic appliances on or off	It switches off automatically during voltage surge and overheating	Information on the voltage level is available in the mobile application

Principle of operation

The device controls electric power supply by means of relay, which closes and opens the dry contact.

Features

Operates from 7—24 V DC voltage sources. The dry contact is not galvanically connected to the device itself.

Installation and set up

The device is installed in junction boxes, distribution boards, and enclosures of switching units.

Tech specs

Classification	Radio channel relay unit
Device type	Wireless
Installation method	Into electric switchboard, junction box
Compatibility	Operates only with hub Ajax and ReX
Actuating element	Electromagnetic relay
Relay service life	200,000 switch-ons
Voltage protection	Max — 36.5 V, min — 6.5 V
Maximum load current	5A at 36V DC, 13A at 230V AC
Maximum current protection	No
Maximum temperature protection	65°C at the place of installation
Electric power meter function	No

Energy consumption parameter check	Voltage
Alarm signal delivery time	0.15 s
Power supply	7—24 V (DC only)
Operation modes	• Impulse • Bistable
Contact state	• Normally open • Normally closed
Adjustable pulse duration	0.5 – 255 sec
Jeweller radio technology	Communication range with central unit — up to 1,000 m in an open space Two-way communication between devices Operating frequencies — 868.0−868.6 MHz Self-adjusting RF output power — up to 25 mW Block encryption based on AES algorithm Device scanning period — 12−300 s Learn more about Jeweller >
Operating temperature range	0°C to +64°C
Permissible humidity	Up to 75%
Protection class of body	IP20
Anti-sabotage	Protection against fraud Jamming detection
Remote setting and testing	+
Dimensions	39 x 33 x 18 mm
Weight	32 g
Certification	CE
Warranty	Replacement and repair within 24 months of the date of sale. Learn more >
Complete set	Relay Installation set User’s guide