Relay

Low-current relay to control appliances remotely

The impulse for smart security

Flood-prevention system Set the automatic water shut off in case the washing machine breaks or a pipe bursts. Control the water supply at the facility remotely or set up a schedule. How to connect	**Automatic gates / barrier** Control opening-closing via the app or using Button. No compromises in comfort and safety. How to connect
Electric lock Lock or unlock doors with the app or Button. Block access to premises by alarm or Night Mode activation and sleep calmly. How to connect	**Security smoke cannon** Set up the smoke cannon triggered by any detector alarm or DoubleButton hold-up device activation. Such a system reliably shelters people and valuables from burglars. How to connect
Roller blinds / motorized curtains Control the equipment remotely through the app, via Button, or set a scenario: when changing the security mode, according to the time of day, or by alarm activation. How to connect	**ACS blocking** Set up Access Control System (ACS) reader blocking when arming the system to prevent employee access to the guarded premises and avoid false alarms. How to connect

Features

Flexibility at the core

Settings versatility and low power consumption make Relay a universal tool for equipment control. Dry contact is not galvanically connected to the device power supply so that it can be used both in low-voltage and household networks. There are bistable and pulse modes. The relay can be easily connected to a power supply unit paired with a backup battery.

Pulse 0.5–255 seconds	Power supply 7–24 V⎓	Dry contact

Installation

No extra effort

Connecting Relay to the hub takes less than a minute — it's enough to scan a QR code with the Ajax app. The miniature device (39×33×18 mm) fits easily into a junction box, an electrical panel, or a switching unit body with DIN Holder. And the flexible external antenna provides stable connectivity.

See the full manual

Always in touch

We developed the Jeweller radio protocol to ensure uninterrupted interaction of all security system devices. The radio protocol uses frames to synchronize device communication, authentication to prevent forgery, and encryption to protect against hacking.

Two-way communication at a distance of up to 1000 meters	5 radio signal range extenders in the system
Command delivery in 0.15 s	Adjustable ping from 12 s

Learn more

Smart security for home and business

Use automation scenarios so your security system not only reports threats but also actively counters them.

- Flood-prevention system
- Water shut off by schedule
- Automatic doors and roller shutters

Learn more

Tech specs

Classification	Radio channel relay unit
Device type	Wireless
Installation method	Into electric switchboard, junction box
Compatibility	Operates only with hub Ajax and range extenders
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 24 V⎓, 13A at 230V~
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	• Pulse • 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 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 region of sale.) 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	From −20°C to +64°C
Permissible humidity	Up to 85%
Protection class of body	IP20
Anti-sabotage	Protection against fraud Jamming detection
Remote setting and testing	+
Dimensions	39 × 33 × 18 mm
Weight	25 g
Warranty	Replacement and repair within 24 months of the date of sale.
Service life	10 years
Complete set	Relay

	Installation set
	User's guide

Compliance with standards