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 currentSA at 24 V=, 13A at 230V~Maximum current protectionNoMaximum temperature protection65°C at the place of installationElectric power meter functionNoEnergy consumption parameter checkVoltageAlarm signal delivery time0.15 sPower supply7–24 V- (DC only)Operation modes• Pulse • BistableContact state• Normally open • Normally conedAdjustable pulse duration0.5 - 255 secJeweller radio technologyCommunication range with central unit – up to 1,000 m in an open space Radio frequency bands: 866.0 - 866.5 MHz 866.0 - 866.5 MHz 967.5 MHz 971.5 85 - 925.5 MHz 971.5 92.5 MHz 971.5 92.5 MHz 972.5 10.5 924.5 MHz 972.5 10.		
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 866.0 - 866.5 MHz 866.7 - 869.2 MHz 905.0 - 920.5 MHz 910.5 - 920.5 MHz 911.5 S - 926.5 MHz 921.0 - 922.0 MHz 921.0 - 923.0 MHz 922.0 MHz 92.0 MHZ 92	Maximum load current	5A at 24 V=, 13A at 230V~
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 866.0 - 866.5 MHz 866.0 - 866.5 MHz 905.0 - 926.5 MHz 915.85 - 926.5 MHz 915	Maximum current protection	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 Weilder radio technology Communication targe with central unit - up to 1,000 m in an open space 860 866.5 MHz 860 866.5 MHz 860 866.5 MHz 866.7 869.2 MHz 910 922.0 MHz 921.0 - 922.0 MHz 921 922.0 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 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.	Maximum temperature protection	65°C at the place of installation
Alarm signal delivery time 0.15 s Power supply 7-24 V – (DC only) Operation modes • Pulse Editable • Normally open Contact state • 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 868.0 - 866.5 MHz 915.85 - 926.5 MHz 905.0 - 926.5 MHz 915.85 - 920.5 MHz 915.8 - 920.5 MHz 915.85 - 920.5 MHz 921.0 - 922.0 MHz 920.0 Hz (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 Operation class of body 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.	Electric power meter function	No
Power supply 7-24 V- (DC only) Operation modes • Pulse Bistable • Normally open Contact state • 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 866.0 - 866.5 MHz 905.0 - 926.5 MHz 91.0 - 922.0 MHz 905.0 - 926.5 MHz 91.0 - 922.0 MHz 921.0 - 922.0 MHz 921.0 - 922.0 MHz 921.0 - 922.0 MHz 921.0 - 925 mW Block encryption based on AES algorithm Device scanning period - 12 - 300 s Learn more about	Energy consumption parameter check	Voltage
Operation modes • Pulse Operation modes • Normally open Contact state • 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 -986.5 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 Protection class of body IIP20 Anti-sabotage Protection against fraud Jamming detection Remote setting and testing + Dimensions 39 × 33 × 18 mm Weight 25 g	Alarm signal delivery time	0.15 s
• BistableContact state• Normally open • Normally closedAdjustable pulse duration0.5 - 255 secJeweller radio technologyCommunication 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 868.6 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 JewellerOperating temperature rangeFrom -20°C to +64°CPermissible humidityUp to 85%Protection class of bodyIP20Anti-sabotage4Dimensions39 × 33 × 18 mmWeight25 gWarrantyReplacement and repair within 24 months of the date of sale.Service life10 years	Power supply	7−24 V (DC only)
Adjustable pulse duration0.5 - 255 secJeweller radio technologyCommunication 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 866.0 - 866.5 MHz 868.0 - 869.2 MHz 905.0 - 926.5 MHz 905.0 - 926.5 MHz 905.0 - 926.5 MHz 905.0 - 926.5 MHz 910.0 - 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 JewellerOperating temperature rangeFrom -20°C to +64°CPermissible humidityUp to 85%Protection class of bodyIP20Anti-sabotageProtection against fraud Jamming detectionRemote setting and testing+Dimensions39 × 33 × 18 mmWeight25 gWarrantyReplacement and repair within 24 months of the date of sale.Service life10 years	Operation modes	
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 868.0 – 926.5 MHz 905.0 – 926.5 MHz Permissible humidity <td>Contact state</td> <td></td>	Contact state	
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 team more about JewellerOperating temperature rangeFrom -20°C to +64°CPermissible humidityUp to 85%Protection class of bodyIP20Anti-sabotageProtection against fraud Jamming detectionRemote setting and testing+Dimensions39 × 33 × 18 mmWeight25 gWarrantyReplacement and repair within 24 months of the date of sale.Service lifeI0 years	Adjustable pulse duration	0.5 – 255 sec
Permissible humidityUp to 85%Protection class of bodyIP20Anti-sabotageProtection against fraud Jamming detectionRemote setting and testing+Dimensions39 × 33 × 18 mmWeight25 gWarrantyReplacement and repair within 24 months of the date of sale.Service life10 years	Jeweller radio technology	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
Protection class of bodyIP20Anti-sabotageProtection against fraud Jamming detectionRemote setting and testing+Dimensions39 × 33 × 18 mmWeight25 gWarrantyReplacement and repair within 24 months of the date of sale.Service life10 years	Operating temperature range	From -20°C to +64°C
Anti-sabotageProtection against fraud Jamming detectionRemote setting and testing+Dimensions39 × 33 × 18 mmWeight25 gWarrantyReplacement and repair within 24 months of the date of sale.Service life10 years	Permissible humidity	Up to 85%
Jamming detectionRemote setting and testing+Dimensions39 × 33 × 18 mmWeight25 gWarrantyReplacement and repair within 24 months of the date of sale.Service life10 years	Protection class of body	IP20
Dimensions 39 × 33 × 18 mm Weight 25 g Warranty Replacement and repair within 24 months of the date of sale. Service life 10 years	Anti-sabotage	
Weight 25 g Warranty Replacement and repair within 24 months of the date of sale. Service life 10 years	Remote setting and testing	+
Warranty Replacement and repair within 24 months of the date of sale. Service life 10 years	Dimensions	39 × 33 × 18 mm
of sale. Service life 10 years	Weight	25 g
	Warranty	
Complete set Relay	Service life	10 years
	Complete set	Relay

	Installation set User's guide	
--	----------------------------------	--

Compliance with standards