

Ajax Transmitter (8IN)



Wireless module for connection of outdoor motion detectors, IR barriers, liquid level detectors, and gas detectors, thermal relays and any third-party devices with wired output to the Ajax security system.

- Authentication to prevent forgery
- Jamming detection and communication channels encryption
- Two-way communication

Converts third-party detectors to the Ajax full-featured devices	It can be used as a power supply for third-party devices	Operates at a temperature of 50°C to -25°C and humidity up to 75%
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Principle of operation

The device receives the activation signal from the detector via wired input and sends an alarm to the hub.

Features

Transmitter integrates wired security equipment into Ajax: intrusion detectors, panic and medical buttons, fire and gas detectors. The type of a connected device is specified in the app. The device type defines the text of the notification received by the system users and the alarm code sent to CMS. Moreover, Transmitter is protected with an accelerometer that detects removal and raises the alarm if someone opens the lid of a connected detector.

Installation and set up

It is installed in the enclosure of outdoor detectors or a mounting box.

Tech specs

Classification	Module for third-party detector integration
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Device type	Wireless
Installation method	Indoors/outdoors
Compatibility	Operates only with hub Ajax and ReX
Alarm input	1
Tamper input	1
Power supply current	Terminals +/-
Power supply output	3.3V
Battery charge indication	Yes
Adjustable alarm types	Intrusion Fire Medical help Panic button Gas
Alarm signal delivery time	0.15 s
Power supply	Battery: Three CR123A batteries Power supply voltage: 3V Battery life — up to 5 years
Jeweller radio technology	Communication range with central unit — up to 1,600 m in an open space Two-way communication between devices Operating frequencies — 865-867 MHz Self-adjusting RF output power — limit 20 mW Block encryption based on AES algorithm Device polling period — 12–300 s
Temperature sensor	Available
Operating temperature range	-25°C to +50°C
Permissible humidity	Up to 75%
Anti-sabotage	Protection against fraud Jamming detection Accelerometer to detect removal
Remote setting and testing	+
Dimensions	100x39x22 mm
Weight	74 g
Certification	CE
Warranty	Replacement and repair within 24 months of the date of sale. Batteries are not covered under warranty.
Complete set	Transmitter Three CR123A batteries (pre-installed) Installation set User's guide