Jeweller

Transmitter Jeweller

Module for integrating a third-party wired detector or device into an Ajax security system



2 GRADE EN 50131

PD 6662 2017

An Ajax hub is required for operation. Find the detailed information on the device at the link:

http://ajax.systems/support/devices/transmitter/

Key features

- Connecting a device with a NC/NO contact type
- Supporting pulse or bistable operation mode
- 3.3 V⎓ power supply for a connected wired device
- Selecting one of eight types of wired device events
- Quick pairing with the security system via QR code
- Remote control and configuring via the Ajax apps

Compatibility with wired devices

Transmitter works with any detector or device with a NC/NO contact type. The module supports one of eight event types to notify of the connected device alarms: intrusion, fire, medical help, panic button, gas alarm, malfunction, leakage, or custom. The type of event determines the alarm code sent to the security company monitoring station and the notification text received by the user. This ensures an accurate response to the threat.

Encrypted two-way communication



The security company and users know exactly which device was triggered, the type of the device alarm, and when and where it happened. Informative notifications and encrypted two-way communication are provided via the Jeweller radio protocol.

The maximum Transmitter radio communication range with a hub or range extender is 1,600 meters in an open space. The protocol uses device authentication for each communication session to protect the module against spoofing.

Quick pairing and installation

To add Transmitter to the system, just scan the QR code. Installers can change the connected device settings in the PRO apps, on site and remotely. The type of a connected wired device is configured in the Ajax mobile and desktop apps.

The compact module can be installed inside the detector enclosure or in the mounting box. The maximum cable length for connecting a third-party detector or device is 150 meters (24AWG twisted pair). The built-in accelerometer and tamper alarm notifies of an attempt to sabotage the wired device.

Tech specs

Compliance with standards	EN 50131 (Grade 2)
Compatibility	**Control panels** all Ajax hubs **Range extenders** all Ajax radio signal range extenders

Inputs and outputs	**Alarm input** 1 pair of terminals **Tamper input** 1 pair of terminals **Power supply output for the wired device** 1 pair of terminals Supply voltage 3.3 V⎓
Communication with the hub or range extender	**Jeweller communication technology** **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 **Radio signal range** up to 1,600 m Between the hub or range extender and the integration module **Protection against spoofing** device authentication
Integration module power supply	**3 × CR123A battery** Pre-installed
Wired device connection	**Cable length** up to 150 m 24AWG twisted pair **Compatibility** any detector or device with a NC/NO contact type **Device types** pulse and bistable Adjusted by the PRO or user with admin rights **Event types** intrusion fire medical help panic button gas alarm malfunction leakage custom Adjusted by the PRO or user with admin rights

Installation	**Installation method** inside the detector enclosure or in a sealed box **Operating temperature range** from 10°C to +40°C **Operating humidity** up to 75%	Board	**Colour** N/A **Dimensions** 100 × 39 × 22 mm **Weight** 74 g **Protection against dismounting** Built-in accelerometer and tamper alarm
Complete set	Transmitter Jeweller 3 × CR123A battery Pre-installed Double-sided tape Quick Start Guide		