

Superior MultiTransmitter IO (4X4) Fibra

Wired module with 4 inputs and 4 outputs. Designed to integrate third-party devices into an Ajax system.

Communication	Fibra communication technology Proprietary wired communication technology to transmit commands, alarms, and events. Key features: • Two-way communication. • Advanced sabotage protection. • Instant notifications. • Remote control and configuration in Ajax apps. Line connection 4-core cable Connection to any point of the Fibra line The device can be installed behind the hub, detector, siren, or other keypad. Fibra line length up to 2,000 m up to 6,550 ft When the U/UTP cat.5 twisted pair cable is used. Encrypted communication All stored and transmitted data are protected by block encryption featuring a dynamic key.
Wired devices connection	Number of input lines for third-party devices 4 Connector pins: • +12V: 12 V$\overline{=}$ power supply output for a wired detector. • GND: power ground. • Z1–Z4: inputs for connecting a wired detector. • COM: common input for connecting signal contacts of a wired detector. Type of connection NO, NC, EOL, 2EOL, 3EOL, roller shutter With the EOL total resistance from 1 kΩ to 40 kΩ with a 100 Ω increment. Operating mode of inputs KeyArm KeyArm allows you to arm/disarm the system and individual groups or set up night mode. Controlling the blocking element Allows you to control the position of the blocking element pin. Controlling the bolt switch contact Allows you to control the position of the lock bolt switch. Number of output lines for third-party devices 4 The device is equipped with 2 logic outputs and 2 relay outputs with dry contact. Connector pins: • Relay1, Relay2: relay outputs for connecting third-party wired devices. • +12V: power supply output for third-party electromechanical elements such as electric locks and 12 V$\overline{=}$ blocking elements.

	• GND: power ground of third-party electromechanical elements. • L1, L2: logic outputs for connecting third-party wired devices. Operating mode of outputs Relay Allows controlling connected third-party devices. Blocking element Allows controlling the blocking element. Electric lock Allows controlling the electric lock. Length of the wired connection to third-party devices up to 400 m up to 1,300 ft When a copper signal cable with a 0.22 mm² cross-sectional area of the conductor is used. Event types The event types of wired devices are specified in an Ajax app. The selected type determines the text of alarm messages and events of the connected device, as well as event codes transmitted to the CMS. The type of event is adjusted by a PRO or a user with admin rights in an Ajax app.
Key features	Integrating third-party devices into an Ajax system Allows you to integrate up to 8 third-party devices into an Ajax system. You can integrate up to 4 detectors and up to 4 blocking elements or electric locks. Maximum total current consumption by third-party devices at nominal voltage should not exceed 500 mA. Automation scenarios Adjusted in Ajax apps separately for each relay. Operating mode pulse bistable Adjusted in Ajax apps. Operating time from 1 second to 2 hours Adjusted for pulse mode in Ajax apps separately for each relay. State stability after the power outage If the feature is enabled, the current state of the relay contacts remains the same after the power outage. Controlling the blocking element position The feature allows you to check the device's functionality or forcibly change its position. It is configured in the Ajax app when the Blocking element output mode is selected.
Recommendations	For indoor use only. It is recommended to install the module in the Case device, which is sold separately and available in several options.
Sabotage protection	Tamper alarm Notification when the lid is opened or an attempt is made to tear the device off the surface or remove it from the attachment panel. The device has a connector that allows you to connect a tamper board to the module. It is available in Case, which is sold separately. Protection against spoofing device authentication Connection loss detection after 36 s

	Detection time depends on the Jeweller/Fibra settings. Instant detection of wired connection loss, short circuits, and malfunctions when the 2EOL/3EOL connection is used Depends on the connection type.
Power supply	Fibra line 12–28 V_{DC}, up to 330 mA at a nominal voltage of 24 V_{DC} The hub powers the device. Power supply of connected wired devices 12 V_{DC}, up to 500 mA Maximum total current consumption by third-party devices at a nominal voltage of 24 V_{DC} should not exceed 500 mA.
Board	Dimensions 93 × 55 × 27 mm 3.66" × 2.17" × 1.06" Weight 46 g 1.62 oz Operating temperature range from –10 °C to +55 °C from 14 °F to 131 °F Operating humidity up to 75% non-condensing
Complete set	Superior MultiTransmitter IO (4X4) Fibra Quick start guide
Warranty	24 months