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⎓ 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⎓ 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⎓, up to 330 mA at a nominal voltage of 24 V⎓ The hub powers the device. **Power supply of connected wired devices** 12 V⎓, up to 500 mA Maximum total current consumption by third-party devices at a nominal voltage of 24 V⎓ 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