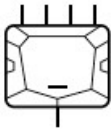# AJAX MultiRelay Fibra Four Channel Relay Module Installation Guide
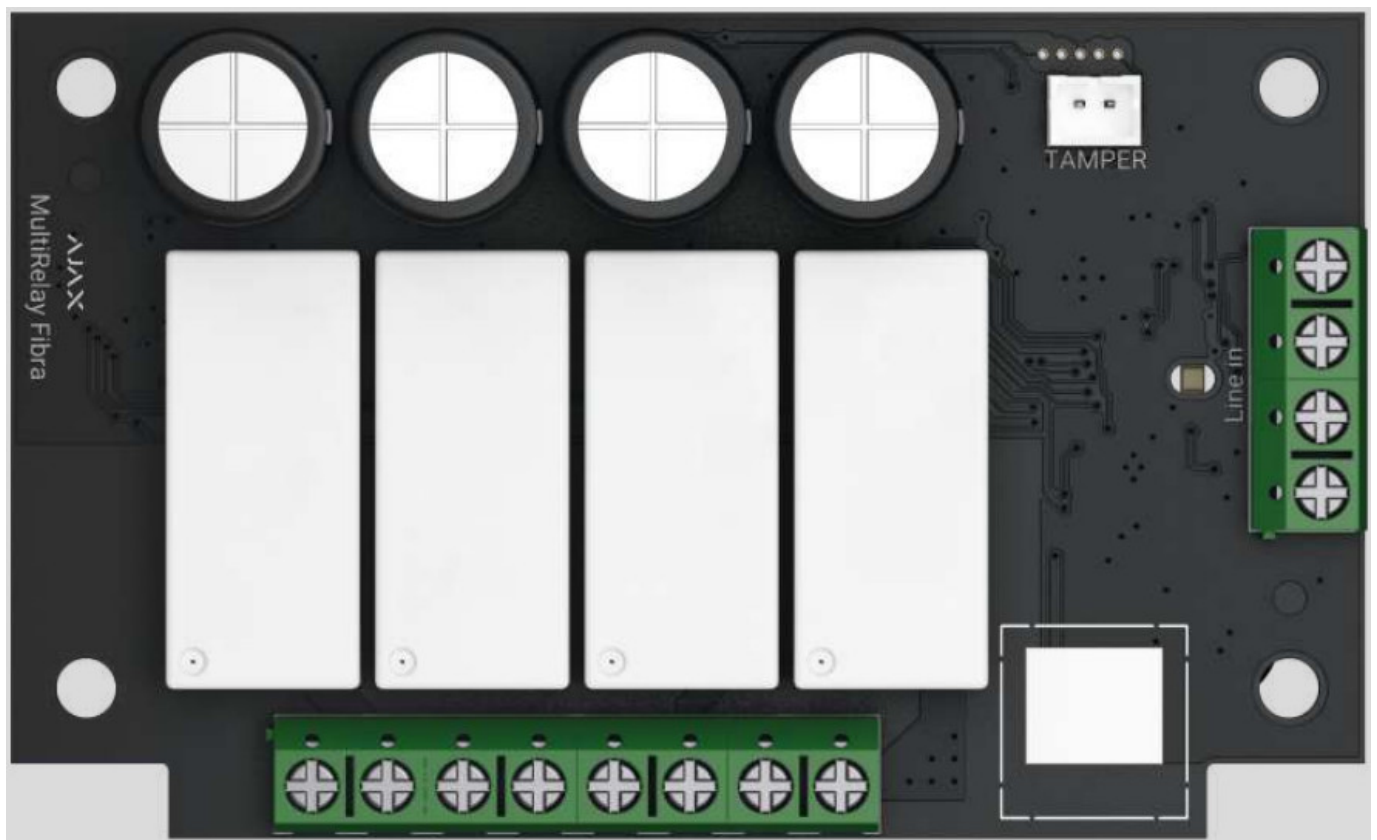
MultiRelay Fibra Four-channel relay module with potential-free contacts to control power supply remotely.

MultiRelay Fibra is a device of the wired Fibra product line. Only accredited Ajax Systems partners can sell, install, and administer Fibra products.

	Potential-free (dry) contacts
	Low power consumption: up to 185 mW
	4 relay outputs
	Automation scenarios

Contents

Operation modes

- Bistable — the relay changes contact state after each activation, turning the connected appliance on or off.
- Pulse — the relay changes contact state for the adjustable period of time (from 10 s to 2 h).

Contact states

- Normally closed (NC) — the relay stops supplying power when activated and resumes when deactivated.
- Normally open (NO) — the relay supplies power
- when activated and stops when deactivated.

Protection against overheating: all four relays of MultiRelay are deactivated automatically the moment at least one of them exceeds +85°C.
Steady contact state: the current state of contacts remains the same after a power outage.

Fibra

 communication technology

- Up to 2,000 m of wired communication
- Data is encrypted throughout the transmission process
- Regular polling to display current device statuses
- One line for different types of devices

 Sabotage resistance

- Tamper alarm1
- Protection against short circuit
- Device authentication to prevent spoofing

Quick installation and setup
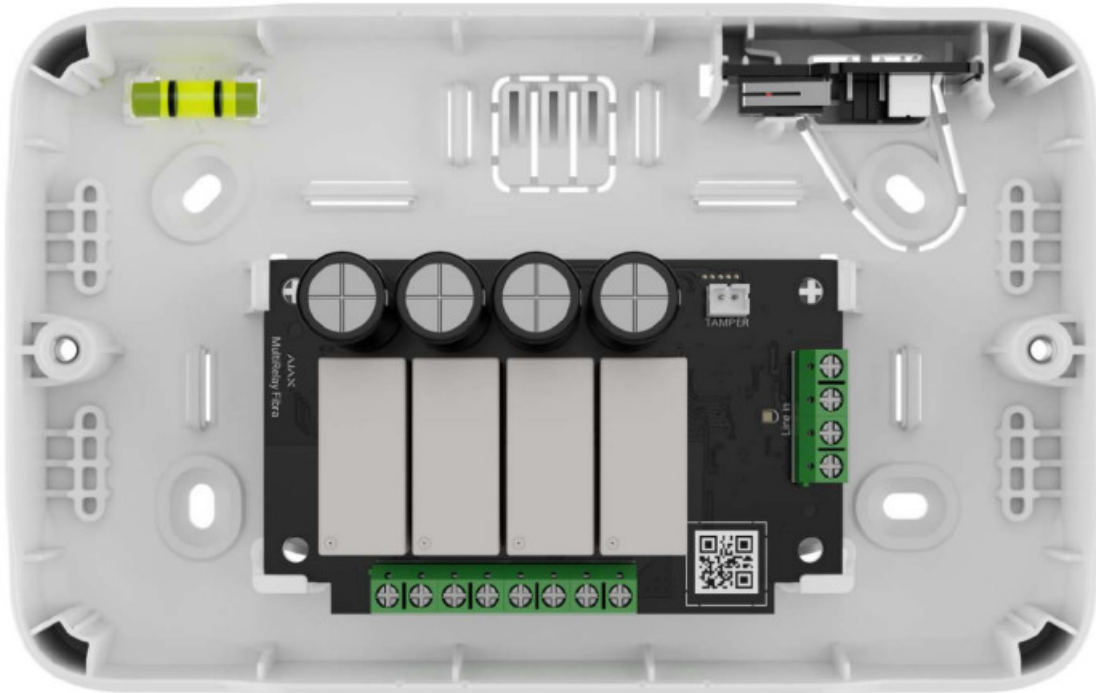
- Pairing with a hub via automatic line scanning or QR code
- Remote control and configuration in the app
- Easy maintenance
- Installing into Case2 (sold separately)

Compliance	Compatibility	Communication with the control panel	Features
EN 50131 (Grade3) EN 50130-5, EN 50130-4 EN 55032 EN 55035 EN 60669-1:2018	Hubs Hub Hybrid (2G) Hub Hybrid (4G)	Fibra communication technology Wired connection U/UTP cat.5 4×2×0.51 (copper conductor) signal cable 4×0.22 (copper conductor) Communication range up to 2,000 m With U/UTP cat.5 4×2×0.51 cable	Number of relays 4 relay outputs Relay modes bistable, pulse Operating time for pulse mode from 10 s to 2 h Temperature protection over +85°C Steady contact state If enabled, the current state of contacts remains the same after a power outage.

Power supply	Installation	Board	Complete set
Fibra line 8.5–30 V , up to 185 mW The hub powers MultiRelay. The module does not supply additionapower to connected appliances. Maximum load current 5 A at 30 V 10 A at 230 V~	Operating temperature range from –10°C to + 40°C Operating humidity up to 75%	Dimensions 90 × 55 × 30 mm Weight 84 g	MultiRelay Fibra Quick start guide Case is not included in the complete set and sold separately from the MultiRelay Fibra module.

1 — Notification about attempts to open Case or detach it from the surface. Available only when MultiRelay is installed into Case. Case is sold separately.

2 — Case has an optimal arrangement of wire channels, special holders for the module, and a tamper alarm. It's available in different sizes to place one or several devices inside the casing. More details: **ajax.systems/products/fibra/case**

For detailed information, scan the QR code or follow the link: **support.ajax.systems/manuals/multirelay-fibra/**

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Documents / Resources

AJAX MultiRelay Fibra Four Channel Relay Module [pdf] Installation Guide
MultiRelay Fibra Four Channel Relay Module, Fibra Four Channel Relay Module, Four Channel Relay Module, Relay Module, Module