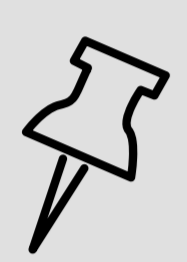


MultiTransmitter Fibra

Module to integrate third-party wired detectors and devices into an Ajax security system.



The device is compatible only with hubs supporting Fibra protocol. Find the detailed information via QR code or at the link:



<https://ajax.systems/support/devices/multitransmitter-fibra/>



3
GRADE
EN 50131

PD 6662
2017

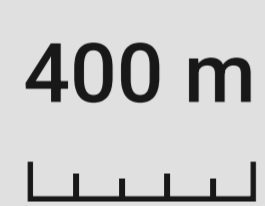
INCERT



MultiTransmitter Fibra is a wired device of the Fibra product line. Only accredited partners of Ajax Systems can purchase, install and administer Fibra devices.



18 inputs for third-party wired devices



Up to 400 m of cable length between devices and MultiTransmitter Fibra



Numerous event types to be chosen for each connected device

The second life of an old wired alarm

MultiTransmitter Fibra allows building the modern complex security based on existing third-party wired equipment already installed at a facility. With this integration module, the owners of an old alarm system receive the in-app security modes control, informative notifications, and automation scenarios from Ajax. An installer can configure the system or connected devices in the PRO app remotely, even without visiting a facility.

Maximum compatibility

MultiTransmitter Fibra does not limit users in their selection of wired devices to connect. The integration module supports NC, NO, EOL, 2EOL, and 3EOL connection types. EOL resistance is set automatically in the Ajax PRO app.

The device supports EOLs with resistance from 1 k Ω to 15 k Ω each with total resistance of 30 k Ω . EOLs with different resistance can be used in one device in order to increase the protection against sabotage. Recommended EOL ratio: $R_1=R$, $R_2=2\cdot R$, $R_3=3\cdot R$.

MultiTransmitter Fibra has four 12 V \Rightarrow power outputs for third-party wired devices: one for a fire detector and three for other devices.



Fibra is the **protocol** ensuring fast and secure two-way communication between hub and MultiTransmitter Fibra. Using a bus connection method, Fibra delivers instant **data-rich alarms**: security companies and users know which device connected to MultiTransmitter Fibra was triggered, when and where it happened.

Fibra features **encryption** and **authentication** to prevent spoofing, and **polling** to display device states in real time. Supporting **up to 2,000 m of wired connectivity**, Fibra is ready to protect any facilities and deliver the best user experience for both system owners and installers.

Technical specifications

Compliance with standards	EN 50131 (Grade 3) PD 6662:2017 INCERT	Connected devices	Number of zones 18 One wired device per zone
			Connection types NC, NO, EOL, 2EOL, 3EOL

Communication with control panel

 **Fibra communication technology**

Communication range
up to 2,000 m with U/UTP cat.5 cable, 4×2×0,51

Polling interval
12–300 s
Adjusted by PRO or user with admin rights

Protection against spoofing
MultiTransmitter Fibra authentication

Connected devices

EOL resistance
from 1 kΩ to 15 kΩ for each resistor, up to 30 kΩ of total resistance
Set automatically in PRO apps

Operating modes
pulse, bistable
Set by PRO or user with admin rights

Types of events
intrusion, fire, auxiliary alarm, panic button, gas alarm, tamper alarm, malfunction, leakage, glass break, high temperature, low temperature, masking, duress code (opening), vibration (seismic sensor), custom
Set by PRO or user with admin rights

Cable length between devices and MultiTransmitter Fibra
up to 400 m
When using a signal cable with a 0.22 mm² copper-clad aluminium conductor

Power supply for connected devices
4 power outputs: 10.5–15 V_{DC}, up to 1 A in total
One power output for a fire detector, and three outputs for other devices

<p>Compatibility</p> <p>Hubs Hub Hybrid (2G) Hub Hybrid (4G)</p> <p>Range extenders no</p>	<p>Power supply</p> <p>Main power supply 100–240 V, 50/60 Hz</p> <p>Backup power supply 12 V\Rightarrow lead acid battery with up to 7 A·h capacity and a full charge cycle of up to 30 h Backup battery not included</p>
<p>Installation</p> <p>Operating temperature range from –10°C to +40°C</p> <p>Operating humidity up to 75%</p> <p>Protection class IP40</p>	<p>Casing</p> <p>Colour white, black</p> <p>Dimensions 196 × 238 × 100 mm</p> <p>Weight 798 g</p> <p>Tamper alarm Two tampers to detect the lid opening and alert of detachment a module from the wall</p>
<p>Complete set</p> <p>MultiTransmitter Fibra Casing Power cable Screw terminal block Adapter* 12 V\Rightarrow battery connection cable Installation kit Quick Start Guide</p>	

*Only for INCERT compliance.