

HomeSiren Fibra

Wired indoor siren

<ul style="list-style-type: none">• Adjustable volume of alarms and notifications 81 dB – 93 dB – 105 dB• Delay and security mode changing indication• Two colours casing• Power consumption is up to 1.8 W	<ul style="list-style-type: none">• Remote control and setup• Adjustable alarm duration from 3 s to 3 min• Door opening notifications• External LED connection• Fibra line connection up to 2,000 m
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This is the device of the Fibra wired product line. To purchase, install and administer such devices, you need to be an accredited partner, undergo training and gain access.

Siren in burglar alarm

A burglar alarm siren is a device designed to protect premises from break-ins and thefts. After the security system sensor is triggered, a siren is activated, which, by sound or light, draws the attention of neighbors to the guarded object and scares off intruders from the scene.

How a home alarm siren works

After the alarm control panel (central panel) sends an alarm signal received from the sensors to the siren, the light, sound or light and sound indication of the event turns on. The sound signal can be of different tones, with a power of up to 110 dB. The light alert often looks like a flashing beacon or flashing light. Some sirens are also equipped with tampers, as are many other security devices. The tamper is a switch that works and activates the siren if an intruder tries to remove the siren from its mounting or damage its case.

Types of sirens

In security systems, sirens of the following types are distinguished:

- **Wired sirens**

Wired sirens in the alarm are connected to the control panel (central panel) of the security system through wires.

- **Wireless sirens**

Wireless sirens are connected to the alarm central panel via radio signal and often have an independent power source.

- **Standalone sirens**

Autonomous sirens are equipped with an autonomous power source, and some of them may additionally have solar panels for charging during the daytime. A stand-alone siren may have its own built-in sensor

(motion or other types). According to the place of use, sirens are external or internal. Outdoor sirens are protected from external factors by a reliable housing and operate in a wider temperature range. So rain or dust will not affect the operation of the device. Indoor sirens operate in a smaller temperature range, and often such sirens are less powerful than outdoor ones.

HomeSiren Fibra wired siren for indoor installation

HomeSiren Fibra is a wired indoor siren. The detector notifies of the operation of the system's sensors with a sound volume of up to 105 dB. The home siren supports external LED connection. The HomeSiren Fibra indoor siren works only as part of the Ajax security system. The siren communicates with the alarm control panel (central panel) via the secure Fibra protocol. The communication range is up to 2 kilometers if connected via a U/UTP cat.5 twisted-pair cable. The siren works with the Hub Hybrid alarm central panel. Connection to other control panels, radio signal repeaters, integration modules is not provided.

Benefits of using the HomeSiren Fibra indoor siren in a security system

- The Ajax HomeSiren Fibra alarm siren responds to security and tamper alarm in less than a second. The sound of a siren for an indoor installation is enough to attract the attention of neighbors and scare off intruders.
- The duration of the sound and the volume level of the siren can be adjusted in the application: in case of an alarm, the buzzer can be activated from 3 to 180 seconds with a sound volume of 81-105 dB. In the Ajax app, you can choose which security sensors will activate the siren.
- The LED indication of the siren informs that the object is under protection, and by sound informs about entry or exit delays. These functions are used when controlling the security system using keypads and key fobs: the siren reminds you to disarm the alarm at the entrance to the premises.
- The wired siren HomeSiren Fibra, which worked, is not easy to dismantle or turn off: the body of the device is strong, and the buzzer is protected. For additional protection of the siren from opening the case, the device is equipped with a tamper button.
- To transmit events and alarms, the siren uses a two-way wired Fibra data transfer protocol. The technology provides fast and reliable communication between the control panel and devices connected to the system.

The Fibra protocol supports variable key block encryption. Each communication session with devices is verified in order to prevent sabotage and substitution of devices. The technology provides for regular polling of sirens and sensors by the control panel at a specified frequency to control communications and the ability to display the status of security system devices in real-time in Ajax applications.

Installation of a wired siren HomeSiren Fibra

The HomeSiren Fibra wired indoor siren is a detector in the Fibra line of wired devices. Only accredited Ajax partners can install, sell and administer such devices. Before installation, specialists will take into account the parameters that affect the correct operation of the device: the audibility of the siren signal, signal level, cable length for connection and visibility of LED indication. Installation engineers know the installation rules,

for example, do not install a home siren in places where the sound signal can be silenced (behind thick curtains, in a closet). Wires should be located in a hard-to-reach place in order to reduce the likelihood of sabotage and so on.