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Soluciones de seguridad electrónica

English user Manual


AJAX

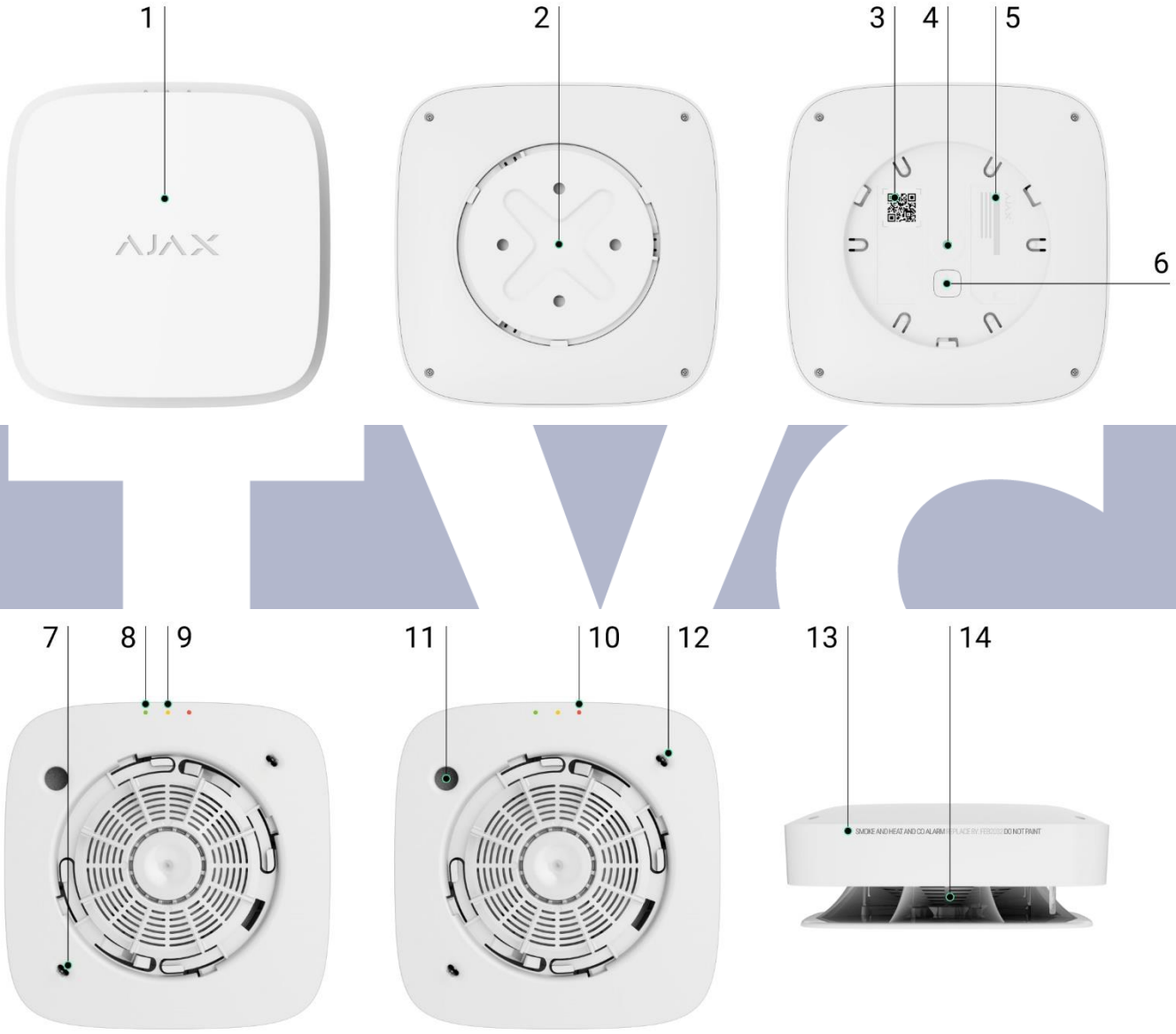
Description

The FireProtect 2 (Heat/Smoke/CO) Jeweler is a wireless fire detector with integrated siren. It is designed for installation indoors. Detects smoke, heat rise and dangerous level of CO (carbon monoxide).

It is available in two versions: with integrated batteries (it has SB in the name) with a duration of up to 10 years, and with replaceable batteries (it has RB in the name) with a duration of up to 7 years.

The detector works as part of the Ajax security system, communicating with the hub via the secure Jeweler radio protocol. The communication range with the hub is up to 1,700 meters, without obstacles.

functional elements



1. Detector front panel with Test/Silence button. To activate the button, press the center part of the panel.
2. Panel mounting SmartBracket. To remove the panel, rotate it to the left.
3. QR code and ID (serial number) of the device. It is used to connect the detector to the Ajax security system.
4. Tamper switch. It is activated by any attempt to pry the detector off the surface or remove it from the mounting panel.
5. Detector certification information.
6. Power button.
7. First thermistor. Detect dangerous temperatures.
8. Green LED indicator.
9. Yellow LED indicator.
10. Red LED indicator.
11. Mermaid.
12. Second thermistor. Detect dangerous temperatures.
13. Information about the end of life of the detector.
14. Smoke chamber cover.

Operating principle

The FireProtect 2 (Heat/Smoke/CO) is a wireless fire detector designed for indoor installation. It is available in two versions:

- With built-in batteries. Said detector has SB in its name. The duration of the integrated batteries is 10 years. After a complete discharge of the batteries, the detector must be replaced with a new one.
- With replaceable batteries. Such a detector has RB in its name. The life of the pre-installed batteries is up to 7 years. After a complete discharge of the batteries, you can replace them with new ones.

The detector is equipped with a siren (piezoelectric buzzer) for sound warning of alarms and events, with a volume of up to 85 dB (at a distance of 3 m from the detector). The detector is always active and reacts to a fire 24/7, regardless of the security mode of the system.

A smoke/temperature rise alarm can be easily distinguished from a high CO alarm, due to different audible and LED indications. Learn more about detector alarm and event indication types in the LED Indication section of this manual.

The FireProtect 2 is protected by two tamper switches. The first tamper switch controls the removal of the detector from the SmartBracket mounting panel: the detector reacts with the LED indication and sends notifications to the Ajax apps of the users and to the central monitoring station. The second tamper switch informs about the removal of the smoke chamber cover, located below the front panel of the detector.

Ajax automation devices respond to alarms from FireProtect 2 and execute actions set by the user using automation scenarios. For example, the WallSwitch relay can activate the ventilation system and emergency lighting when an alarm occurs.

hubless operation

FireProtect 2 detectors can be used without connecting to an Ajax hub. Simply install the detector according to this manual and turn it on.

When operating autonomously, the detector only notifies about fire with a built-in siren and LED indication and does not send notifications to the user's smartphone, Ajax Translator, or PRO Desktop. In this case, the interconnected alarm function of fire detectors is not available.

Smoke sensor

The FireProtect 2 detects smoke with a dual spectrum optical sensor. Inside the smoke chamber, the sensor has blue and infrared LEDs that emit light at different wavelengths. This technology allows the detector to determine the size of the volatile particles within the chamber and respond only to smoke, ignoring vapor.

The FireProtect 2 smoke chamber is protected against dust, dirt and insects. Even if dust gets inside and settles, this does not threaten or impair fire detection. The optical system is designed in such a way that non-volatile particles cannot be in the field of action of the blue and infrared LEDs at the same time. Therefore, this situation does not cause a false alarm.

The HazeFlow 2 software algorithm also protects against false alarms. When an alarm is detected, the algorithm further processes the data received from the detector and acknowledges the alarm.

Temperature sensor

Two built-in class A1 thermistors detect a rapid rise and exceeded temperature threshold of the FireProtect 2. These thermistors report alarms when a rapid rise in temperature or static temperature in the range of +54°C to +65°C is detected.

Thermistors are installed on the outside of the detector housing under the front panel. This allows you to respond to threats faster than when the sensors are inside the detector housing.

FireProtect 2 will notify that the temperature threshold has been exceeded as soon as its value exceeds +64 °C. The detector will notify of a rapid temperature rise if the indicator rises 10°C in one minute. If the temperature gauge rises sharply 20°C or more, the detector will alert immediately.

CO (carbon monoxide) sensor

The FireProtect 2 has a chemical sensor that detects dangerous levels of carbon monoxide. The operating principle of the sensor is based on a chemical reaction. Inside the sensor, there is an electrolytic bath. Upon reaching a certain level of carbon monoxide, a chemical reaction is triggered. The detector reads this event and transforms it into an alarm.

The detector causes an alarm if the CO level reaches:

- 50 ppm (0.005%) and more: in no more than 90 minutes.
- 100 ppm (0.01%) and more: in no more than 40 minutes.
- 300 ppm (0.03%) and more: in no more than 3 minutes.

CO concentration of 400 ppm (0.04%) within three hours can be life threatening. The detector stops alerting to a dangerous level of carbon monoxide as soon as the concentration drops to 40 ppm (0.004%).

Test / Silence button

The Test/Silence button is located under the detector's front panel. This is a mechanical button. To activate it, lightly press the center of the front panel with your hand or a suitable object if the detector is in a hard-to-reach place. For example, you can do it with a mop handle.

The button executes several functions:

- In normal mode, it starts the detector self test.
- In the event of an alarm, it silences the detector alarm or interconnected alarm of all fire detectors in the system.
- In the event of a malfunction, low battery, or end of life, it silences the audible and LED indication for 12 hours.

Interconnected alarm of fire detectors

All fire detectors in the FireProtect 2 product line support the interconnected alarm function. This function activates the built-in sounders of all fire detectors in the system as soon as at least one of the fire detectors detects an alarm. The FireProtect 2 detectors' sirens sound for 20 seconds after the alarm is detected. The FireProtect and FireProtect Plus detectors activate during the detector ping interval set in the Jeweler or Jeweler/Fiber settings, but no later than 60 seconds.

FireProtect 2 detectors have different audible signals and LEDs to indicate alarm types, making it easier for users to distinguish between them. In the event of an interlinked alarm, all FireProtect 2 detectors indicate exactly the type of alarm detected by the initiating detector. While FireProtect and FireProtect Plus detectors notify about all types of alarm with the same sound.

Transmission of events to the CRA

The Ajax security system can transmit events and alarms to the PRO Desktop monitoring app, as well as to the alarm receiving center (ARC) in the SurGard (Contact ID), SIA DC-09 (ADM-CID), ADEMCO 685 formats. and other proprietary protocols.

The addressability of each Ajax device allows sending not only events to PRO Desktop and the ARC, but also the device type, name, virtual room and security group assigned to it. The list of transmitted parameters may vary depending on the type of ARC and the protocol selected for communication with it.

Before adding a device

1. Install the Ajax app.
2. Create an account if you don't have one.
3. Add a hub compatible with the detector to the app. Set the necessary parameters and create at least one virtual room.
4. Make sure the hub is turned on and has Internet access (via Ethernet cable, Wi-Fi, and/or mobile network). You can do this in the Ajax app or by checking the LED on the hub: it should light up white or green.
5. Make sure the hub is unarmed and not updating; check its status in the Ajax app.

To connect to the hub, the detector must be within the coverage area of the hub's radio network. To work through a radio signal repeater, first connect the detector to the hub and then to the repeater. You can do it in the signal repeater settings in Ajax apps.

How to connect FireProtect 2 to the Hub

1. Open the Ajax app.
2. Select a hub if you have several or if you use the PRO app.
3. Go to the Devices tab. Click Add device.
4. Enter the name of the device.
5. Scan the QR code or enter the ID manually. The QR code is located on the back of the device casing (under the mounting panel) and on its box. The device ID is below the QR code.
6. Select a virtual room and a security group (if Group Mode is enabled).

7. Click Add; the countdown will begin
8. Turn on the detector by pressing the power button for 3 seconds. The request to connect to the hub is only sent if the detector is turned on. If the detector failed to connect to the hub, please try again in 5 seconds.

Once connected, the FireProtect 2 will appear in the hub's device list in the Ajax app. The device status update frequency depends on the ping interval set in the Jeweler or Jeweler/Fiber settings. The default value is 36 seconds.

The FireProtect 2 only works with a hub. After connecting to a new hub, the detector stops transmitting data to the old hub. Once added to a new hub, the FireProtect 2 is not removed from the device list of the old hub. This must be done manually in Ajax apps.

Indication

The detector's built-in siren and LED indicators can notify you of alarms as well as certain detector states.

LED indication	audible indication	Event	Grades
The red LED flashes continually.	The siren emits an audible signal at the same time than the LED indication.	Alarm: smoke; rapid increase in temperature; threshold Of temperature exceeded.	The detector stops alerting the alarm as soon as its sources be deleted. Can also mute the alarm pulsing the button Test/Silence or in the Ajax app. LED and audible indications resume if the source of the alarm is still present after the time has elapsed. timer muting (10 minutes).
Red LED flashes 3 times every 3 seconds.	The siren emits beeps to same time as the LED indication.	level alarm CO dangerous (monoxide of carbon).	The detector will stop alerting the alarm as soon as the CO level drops below 50 ppm. Can also mute the alarm pulsing the button Test/Silence or in the Ajax app. The alarm cannot be silenced if the CO level exceeds 300 ppm. The indications LED and audible resume if the alarm source is still present after the sleep timer has elapsed. muting (10 minutes).

No.	Short, low beep tone.	Ban on muting the alarm.	Sound plays after pressing the button Test/Silence. The alarm cannot be silenced if the CO level exceeds 300 ppm.
The red LED flashes every 8 seconds.	No.	Silenced alarm.	The detector stops alerting the alarm as soon as its sources be deleted.
The red LED flashes every 8 seconds.	The siren emits 3 beeps every 3 seconds.	The system has a silenced alarm of smoke/rapid rise temperature/threshold Of temperature exceeded, as well as an active alarm high level of CO concentration greater than 300ppm.	The alarm cannot be silenced if the CO level exceeds 300 ppm. LED indications and audible smoke alarm/ rapid rise temperature/threshold Of temperature exceeded resume if the source of the alarm is still present after the timer has elapsed muting (10 minutes).
Red LED flashes 2 times in a row.	No.	restoration of detector after the alarm.	The detector will resets automatically one once the source of the alarm has been removed.
The yellow LED lights up for 1 second.	No.	Tamper alarm. The detector has been removed from the SmartBracket mounting panel.	
The green LED will turns on for 1 second.	No.	detector is panel-mounted mounting SmartBracket.	Activates when switch is activated anti sabotage.

LED indicators green, yellow and red light up one by one and then go out.	No.	The detector is turning on.	To light the sensor, press the power button for 1 second.
LED indicators green, yellow, and red they light up simultaneously and then they turn off on opposite order.	No.	The detector is turning off.	To turn off the sensor, press the power button for 2 seconds
The green LED is switched on permanently.	No.	The detector is connecting to the hub.	The indication turns off once the detector is connected to the hub
The green LED flashes 6 times in a row.	No.	The detector has been removed from the hub.	The indication is turns on when the detector receives information that it has been removed from the hub.
The green LED flashes once a minute.	No.	The detector has the feeding enough.	The indication is present when the detector stands power and switch status tamper is normal (the detector is installed in mounting panel SmartBracket). when the detector switches to signal strength test mode there is no jeweler indication.
The yellow LED blinks 2 times followed every minute.	The siren emits beeps every minute at the same time than the LED indication.	failure of functioning detected.	All malfunctions are show in listener states in Ajax apps. Fields with malfunctions will be highlighted in red. If the detector needs to be repaired, contact contact with our Technical Support.

The yellow LED flashes once a minute.	The siren emits an audible signal once a minute at the same time than the LED indication.	Low charge of the battery.	can only replace the batteries of the detector with batteries replaceable (has RB in his name). a detector with batteries built-in (has SB in its name) should be replaced by one again after a full download of the batteries.
The yellow LED blinks constantly.	No.	The batteries are completely downloaded.	can only replace the batteries of the detector with batteries replaceable (has RB in his name). a detector with batteries built-in (has SB in its name) should be replaced by one again after a full download of the batteries.
Red LED flashes 5 times, then flashes 3 times more but more slow.	The siren beeps 5 times, then beeps 3 more but longer beeps.	is starting the self test.	You can start the test by pressing the Test/ Silence button or in the settings of the detector in the Ajax app.
The yellow LED flashes 3 times followed every minute.	The siren emits 3 beeps every minute.	The device has reached the end of his useful life.	The device has worked during more than 10 years. The sensitivity of your sensors could have reduced.

Funcionality test

The test allows you to check the status of the detector's sensors. You can start it in two ways: by pressing the Test/Silence button on the detector and in Ajax apps.

To initiate the test using the Test/Silence button, press the center of the front panel for 1.5 seconds.

To start the test, in the Ajax app:

1. Open the Ajax app.
2. Select a hub if you have several or if you use the PRO app.
3. Go to the Devices menu.
4. Select FireProtect 2 (Heat/Smoke/CO).
5. Go to settings by clicking on the gear icon.
6. Click on the Autotest field.

Once the test is started, the detector's red LED indicator will flash 5 times in succession, and then it will flash 3 more times but slower. The siren emits audible signals at the same time as the LED indication. Once the test is complete, users will receive a notification about the detector status in Ajax apps.

The detector also notifies about the test result with LED and audible indications. If the detector has failed the test and a malfunction has been detected, it starts indicating a fault 3 seconds after starting the test: the yellow LED flashes 2 times and the siren beeps at the same time as the LED indication.

On-site check

The Ajax security system provides various tests to select the proper installation location for the devices. For FireProtect 2 the Jeweler Signal Strength Test is available. The test allows to determine the intensity and stability of the signal in the place planned to install the device.

To start the test, in the Ajax app:

1. Select a hub if you have several or if you use the PRO app.
2. Go to the Devices menu.
3. Select FireProtect 2 (Heat/Smoke/CO).
4. Go to settings by clicking on the gear icon.
5. Select the Jeweler Signal Strength Test.
6. Take the test following the instructions in the app.

icons

The icons show some of the states of the device. You can see them in Ajax apps, on the Devices tab.

Icon	Meaning
	Jeweler signal strength between the detector and the hub (or radio signal repeater). The recommended value is 2 or 3 bars.
	Device battery charge level.
	The Interconnected Fire Detectors Alarm function is enabled.
	The detector works in Always active mode (24h). The icon is constantly displayed. FireProtect 2 is always active and reacts to a fire 24/7, regardless of the system's security mode.
	The detector works through the radio signal repeater.
	The detector is temporarily disabled.
	The detector has detected a rapid rise in temperature.
	The detector has detected the temperature threshold exceeded.
	The detector has detected smoke.
	The detector has detected the dangerous level of CO (carbon monoxide).
	The detector has been removed from the SmartBracket mounting panel, or its housing has been dismantled. Check if the detector is well mounted.
	The detector's siren plays an alarm sound.
	The detector has reached the end of its useful life. The detector has worked for more than 10 years. The sensitivity of your sensors might have reduced. We recommend replacing this detector with a new one.

⚠	Malfunction detected. The list of malfunctions is available in the detector states.
	Detector tamper switch activation events are temporarily disabled.

state

The states include information about the device and its operating parameters. FireProtect 2 states (Heat/Smoke/CO) are available in Ajax apps. To access these:

1. Open the Ajax app.
2. Select a hub if you have several or if you use the PRO app.
3. Go to the Devices tab.
4. Select the device in the list.

Parameter	Meaning
Temperature	Air temperature in the room where FireProtect 2 is installed. It is measured in degrees Celsius or Fahrenheit depending on the app settings. In normal state, the temperature value is displayed in black. When a temperature rise or temperature threshold exceeded is detected, the field highlights red and displays the text High Temperature.
Jeweler signal intensity	Jeweler signal strength between FireProtect 2 and the hub (or radio signal repeater). The recommended value is 2 or 3 bars. Jeweler is a protocol for the transmission of events and alarms from FireProtect 2.
Connection via Jeweler	Connection status between FireProtect 2 and the hub or signal repeater via Jeweler: Online: the detector is connected to the hub or repeater. Normal state. No Connection: The connection between the detector and the hub or repeater has been lost. Check the detector connection.
battery level	Device battery charge level: OK: Batteries have sufficient charge. Normal state. Low Battery: The detector's batteries are discharged. When the battery charge is low, users and the ARC receive a corresponding notification. After

	receiving the low battery notification, the detector can work for another month under normal conditions. In the event of an alarm, the battery charge will be sufficient to guarantee 4 minutes of siren operation and LED indication.
Top	Status of the detector's tamper switch that reacts to any attempt to pry the device from the surface or dismantle its casing: Open: The detector has been removed from the SmartBracket mounting panel or its casing has been dismantled. Check if the detector is well mounted. Closed: The detector is installed in the SmartBracket mounting panel. The device casing and mounting panel have not been dismantled. Normal state.
Smoke	Smoke Sensor Status: No: Normal status, the detector does not detect smoke. Alarm: the detector has detected smoke. If smoke has been detected, the text field will highlight red.
temperature threshold exceeded	Alarm status if temperature threshold is exceeded: No: normal status, the detector does not detect temperature threshold exceeded. Alarm: the detector has detected a temperature threshold exceeded. If the temperature threshold exceeded has been detected, the text field will highlight in red.
Rapid temperature rise	Rapid temperature rise alarm status: No: normal status, the detector does not detect rapid temperature rise. Alarm: The detector has detected a rapid increase in temperature. If rapid temperature rise has been detected, the text field will highlight red.
high CO level	CO (carbon monoxide) level in the room where FireProtect 2 is installed: No: normal CO level. Alarm: The detector has detected a dangerous level of CO. If the detector has detected a dangerous level of CO, the text field will highlight red.

temporary deactivation	Shows the status of the device's temporary disable function: No: the device works in normal mode. Cover Only: Detector tamper switch activation notifications are disabled. Fully – The detector will not execute system commands or participate in automation scenarios, nor will it send notifications of alarms, malfunctions and other events to the ARC and system users. In this case, the detector will continue to work autonomously and will alert alarms with the integrated siren.
firmware	FireProtect 2 firmware version.
device ID	FireProtect 2 identifier (serial number). Also available on the detector housing (below the mounting panel) under the QR code and on its box.
device №	Loop number (zone) of the FireProtect 2. This number is used to send the events to the ARC.

Setting

To change the FireProtect 2 settings (Heat/Smoke/CO), in the Ajax app:

1. Open the Ajax app.
2. Select a hub if you have several or if you use the PRO app.
3. Go to the Devices tab.
4. Select the device in the list.
5. Go to Settings by clicking on the gear icon.
6. Set the necessary parameters.
7. Click Back to save the new settings.

Setting	Meaning
Name	Detector name. Shown in hub device list, SMS text and notifications in event history. To change the name, click in the text field. The name can contain up to 12 Cyrillic characters or up to 24 Latin characters.
Stay	Select the virtual room to which the FireProtect 2 is assigned. The name of the stay is shown in the text of SMS and notifications in the event history. To change the stay, click on this field.

alert with siren	
When detecting the temperature threshold exceeded	When this function is enabled, the Ajax sirens connected to the system are activated when the detector detects the exceeded temperature threshold.
When detecting a rapid increase in temperature	When this feature is enabled, Ajax sirens connected to the system are activated when the detector detects a rapid rise in temperature.
When detecting smoke	When this feature is enabled, Ajax sirens connected to the system are activated when smoke is detected by the detector.
When detecting CO	When this feature is enabled, Ajax sirens connected to the system are activated when the detector detects a dangerous level of CO.
Jeweler signal intensity test	Activates the detector's Jeweler signal strength test mode. The test allows to determine the optimal place to install the FireProtect 2. The test shows the signal strength between the detector and the hub or repeater through the Jeweler wireless data transmission protocol. The recommended value is 2 or 3 bars.
device self test	Starts the automatic test of the detector.
User's guide	Opens the FireProtect 2 User Manual in the Ajax app.
temporary deactivation	Allows you to temporarily disable the device without removing it from the system. There are three options available: No: the device works in normal mode. Cover Only: Detector tamper switch activation notifications are disabled. Fully – The detector will not execute system commands or participate in automation scenarios, nor will it send notifications of alarms, malfunctions and other events to the CRA and users of the system. In this case, the detector will continue to work autonomously and will alert alarms with the integrated siren.

unpair device	Unpair FireProtect 2 from the hub and remove its configuration.

Select the place of installation

The coverage area of a FireProtect 2 (Heat/Smoke/CO) is 50 to 60 m², depending on the type of installation.

The detector must be installed in each room. The detector is placed in the center of the ceiling at a distance of 30 cm from lighting fixtures, lamps, or any other decorative object that may interfere with alarm detection.

If there are ceiling joists that protrude 30 cm or more, the detector should be installed between every two joists. If the rafters protrude by less than 30 cm, it is permissible to install the device on a rafter in the central part of the ceiling.

In narrow rooms or corridors, the detectors should be installed at a distance of no more than 7.5 m from each other.

If the ceiling is sloped, the detector is installed at a distance of 60 cm from the top of the ceiling. To select an installation location, paint a line straight down from the top of the ceiling. Then paint a perpendicular from this line to the sloped part of the roof. The detector is installed at this point.

We do not recommend installing the detector on the wall. This type of installation is acceptable if nearby joists or other obstacles interfere with detector installation. It can only be installed on the wall if the detector is placed 15–30 cm below the ceiling but above the doors.

When choosing the place of installation of the detector, take into account the parameters that affect its operation:

Jeweler signal intensity.

Distance between the detector and the hub.

Presence of obstacles between devices for the passage of the radio signal: walls, mezzanines, large objects located inside the room.

When designing your facility's Ajax security system, follow device placement recommendations. The security system must be designed and installed by professionals.

signal strength

The strength of the Jeweler signal is determined by the ratio between the number of untransmitted or damaged data packets shared between the hub and the detector, and those expected during a given period of time. The icon on the Devices tab indicates the signal strength:

- Three bars: excellent signal strength.
- Two bars: signal strength good.
- One bar: Low signal strength, stable operation is not guaranteed.
- Icon crossed out: no signal; stable operation is not guaranteed.

Check the strength of the Jeweler signal at the installation site. With the signal strength of one or zero bars, we do not guarantee stable operation of the device. In this case, move the device. Relocating the device even 20 cm can significantly improve signal reception.

If, after moving the detector, the signal strength is still low or unstable, use a radio signal repeater.

Do not install the detector:

- Outdoors. This can damage the detector.
- In places with low or unstable Jeweler signal strength. This can cause connection loss.
- In places with temperature and humidity outside the permissible limits. This could damage the detector.
- In places where air circulates quickly. For example, near fans, open doors or windows. This can interfere with fire detection.
- Facing any object with rapidly changing temperature. For example, near electric and gas heaters. This can cause false alarms.
- In the corners of the room. This can interfere with fire detection.
- In bathrooms, showers, or other areas where the temperature changes rapidly. This can cause false alarms.
- In places where the production of gases/steam/smoke is part of the operating process. For example, in garages, where there is a possibility of the detector alarming due to vehicle exhaust gases. For such locations, we recommend using a detector without a smoke sensor: FireProtect 2 (Heat/CO).

- In places with a lot of dust or insects. Insects, dust and other types of dirt can settle on the smoke chamber lid and prevent fire detection.

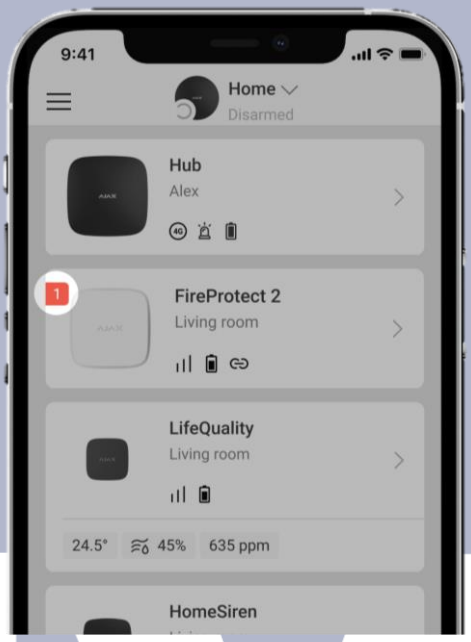
- Close to lighting fixtures, decorative objects, and other interior items that may interfere with air circulation in the room. This can interfere with fire detection.

- On surfaces that are usually warmer or colder than the rest of the room. For example, roof hatches. Temperature fluctuations can interfere with fire detection.
- In high or awkward places. When using the detector without connecting it to the hub, access to the Test/Silence button is required to silence the alarm and start the detector test.

Facility

1. Remove the SmartBracket mounting panel from the detector. To remove the panel, rotate it to the left.
2. Secure the SmartBracket panel to the surface using double-sided tape or other temporary fasteners. The mounting panel has an up sign (UP), which indicates the correct position of the panel.
3. Perform the Jeweler Signal Intensity Test. The recommended value is 2 or 3 bars.
4. If the signal strength is low (single bar or less), we do not guarantee stable operation of the detector. Relocate the device, as changing its position by even 20 cm can significantly improve the quality of signal reception. If the signal strength of the detector is still low or unstable after relocation, use a radio signal repeater.
5. Remove the detector from the mounting panel.
6. Secure the SmartBracket panel with the screws from the kit using all the fixing points. When using other fasteners, make sure they do not damage or distort the mounting panel.
7. Place the detector on the SmartBracket mounting panel.
8. Adjust the position of the detector if necessary.

malfunctions



If a FireProtect 2 malfunction is detected (for example, no connection to the hub), the malfunction counter is displayed in the device field in Ajax apps.

Malfunctions are displayed in the Detector States. Fields with malfunctions will be highlighted in red.

The device can report malfunctions to the CMS as well as to users via push notifications and SMS messages.

FireProtect2 Malfunctions (Heat/Smoke/CO)

- The connection with the hub (or radio signal repeater) has been lost.
- The detector cover is open.
- Low battery charge level.
- The device has reached the end of its useful life.
- Hardware malfunction (one or more detector sensors are defective).

Maintenance

The detector has a self-test system and does not require the participation of the user or installer. The smoke chamber is protected against dust and insects, so there is no need to clean it. We recommend starting the self-test periodically to show people the audible and LED indication.

Clean the detector housing of any dust, cobwebs, and other debris that may appear. Use a dry and soft napkin that is suitable for the care of the equipment. Do not use substances containing alcohol, acetone, gasoline or other active solvents to clean the device.

The useful life of the detector is 10 years. After this period, the sensitivity of the sensors reduces. Therefore, we recommend replacing the detector with a new one to ensure uninterrupted fire protection of the facility.

The version of the detector with replaceable batteries (has RB in the name) works with the pre-installed batteries for up to 7 years. After a complete discharge of the batteries, you can replace them with new ones.

A detector with built-in batteries (it has SB in the name) should be replaced with a new one after the batteries are fully discharged.

Full kit

1. FireProtect 2 RB (Heat/Smoke/CO) Jeweler
2. Panel mounting SmartBracket
3. Installation kit
4. 2 CR123A batteries (pre-installed)
5. Quick guide