

- light and sound alarm
- secure two-way radio communication with MAKS PRO
- 868,0 ... 868.6MHz, several channels for redundancy, range - up to 2000 m
- power - two batteries AAA, up to 3 years of operation
- easy and fast installation
- secure fastening
- enables alarm on all system alarms when one smoke detector is triggered



Wireless optical smoke alarm is designed for notification of smoke detection in residential and industrial premises.

A smoke alarm does not prevent fire but allows to react to danger in time. Every correctly installed smoke detector will increase your potential escape time.

Radio communication

The detector transceiver operates in several channels of 868.0 ... 868.6 MHz band for redundancy.

Secure two-way radio communication.

Distance - up to 2000 m in the open space.

Three grades of power, maximum - up to 20 mW.

Setting

The sensor operates only with MAKS PRO wireless security system center, connection to other systems is not provided.

The sensor is connected to the security center and is configured using the MAKS SETUP mobile application.



Features

Even in case of loss of communication with MAKS PRO, the smoke alarm device will continue to perform its functions.

Alarm will be enabled on all devices if at least one of them is triggered.

Batteries

The device uses two AAA batteries

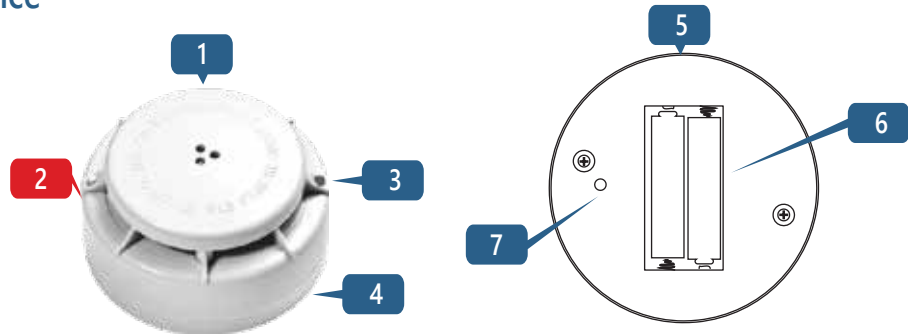
Lithium batteries (FR03)	Usage allowed
Alkaline batteries (LR03)	Included
Salt batteries (R03)	Do not use!

Characteristics

Sensitivity range (under conditions: cotton smoke, air speed 0.2 m/sec)	0.08–0.12dB/m
Sound pressure level at 3 m	at least 85 dB
ISM wireless interface, up to 2000 m	868.0 ... 868.6 MHz
secure two-way communication	key - 256 bits
Power (Alkaline batteries included)	two AAA (LR03) batteries 1.5V
standby consumption	no more than 8 μ A
transmission consumption	up to 70 mA
service life of battery	up to 3 years
Operating temperature range	-10°C to +55°C
Case color	white
Dimensions	Ø 80 x 45 mm
Weight	150 grams

Functional parts of the device

1. Device case
2. Button "Test" / "Hush"
3. Light indicator
4. The bottom plate of the case
5. Device bottom view without bottom plate of the case
6. Batteries AAA
7. Transmitter LED indicator



Installation and connection

Registration and setup

1. Place the detector at a distance of no more than 2 m from the MAKS PRO security center. The registration runs at the lowest possible power to avoid the influence of neighboring systems which can be being set up nearby.
2. Start the MAKS Setup application
3. Follow the instructions of the application to connect to the MAKS PRO and start the registration of MAKS wireless devices
4. Install batteries to turn on the MAKS Smoke. After 10-20 seconds it will be registered
5. Set up a new device in your mobile application

The device can be placed vertically or horizontally

We recommend to install the device in the following order:

1. Selecting the installation location with the best signal using the MAKS Setup application
2. Installation of the device bottom plate
3. Device installation

Selecting the installation location

Carefully select the installation location of the MAKS Smoke.

The device should not be placed:

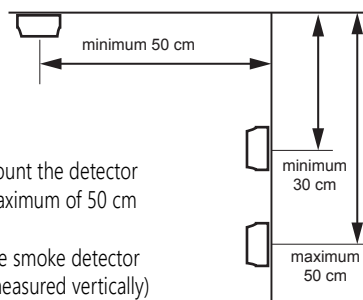
1. Outdoors or in areas with unacceptable humidity and temperature
2. In places with a high level of radio interference
3. Near objects that can cause radio signal attenuation or shielding (metal, mirror, etc.)
4. At a distance of less than 1 m from the security center
5. In bathrooms, kitchens, shower rooms, garages etc
6. Adjacent to or directly above stoves or heaters etc
7. In very high or difficult to reach places. This makes it hard to reach the detector to test or clean it.
8. Within 1 metre of fluorescent lights, dimmer switches and wiring
9. In very dusty or dirty places and where a large number of insects are found
10. In the vicinity of (or adjacent to) decorative objects, doors, sockets, lights, fittings, windows, wall ventilators, etc. which could mean that smoke does not reach the smoke detector.

The smoke detector should preferably be installed in the middle of the ceiling, at least 50 cm from the wall.

If ceiling mounting is not possible mount the detector on the wall. A minimum of 30 and maximum of 50 cm from the ceiling.

In the case of pitched roofs, install the smoke detector on the sloping wall, at least 90 cm (measured vertically) from the ridge of the roof.

For maximum protection, MAKS Smoke should be installed in all rooms (except of bathrooms, kitchen, garages, etc.)



Switching on and off

Insert the supplied batteries in the correct manner into the smoke alarm. If the device is registered in MAKS PRO, it switches to standby mode. If the device has not been registered, it will go into sleep mode after 30 seconds.

Detector installation

1. Remove the bottom plate **4** of the case by turning the bottom plate anticlockwise (to the left)
2. Mount the bracket **4** using the supplied screws and wall plugs. Make sure that the bottom plate **4** is tight against the ceiling.
3. Insert the supplied batteries in the correct manner
4. Place the smoke detector on the base plate and turn it clockwise until you hear a click.
5. Make sure that the smoke detector is working properly by pressing the "Test" button **2** or from MAKS Setup

Warning!!! The detector must never come into contact with liquids and paints. The smoke alarm should temporarily removed during renovation work.

Indication in communication test mode

Excellent connection - LED indicator **7** flashes green

Satisfactory connection - LED indicator **7** flashes yellow

Poor connection - LED indicator flashes **7** red

No connection - LED indicator flashes **7** red quickly

In test mode, the unit's radio transmitter operates at medium power.

Light and sound indication

Standby - light indicator **3** flashes red once every 320 seconds

Alarm - light indicator **3** flashes red quickly and device emit a loud pulsing alarm sound

System alarm - device emit a average volume pulsing alarm sound. It means some MAKS Smoke has been triggered and the signal has been distributed to all smoke alarm devices in the system.

Button "Test" / "Hush"

Test mode - to test device press the button **2** for at least 2-3 seconds, mode will be activated. Alarm mode and a loud signal will stop once the test button has been released.

Warning!!! Test your smoke alarm immediately after installation, monthly and after a period of absence.

"Hush" mode - press the button **2** shortly:

- device in standby - detector will go into a reduced sensitivity mode
- device in alarm mode - canceling alarm, stopping sound alert and switching to reduced sensitivity mode
- device in system alarm mode - canceling alarm, stopping sound alert and switching to reduced sensitivity mode

*The reduced sensitivity mode lasts approximately 10 minutes, during which light indicator **3** flashes every 10 seconds. In 10 minutes the detector will nonetheless sound the alarm if the smoke is dense or increasing in quantity.*