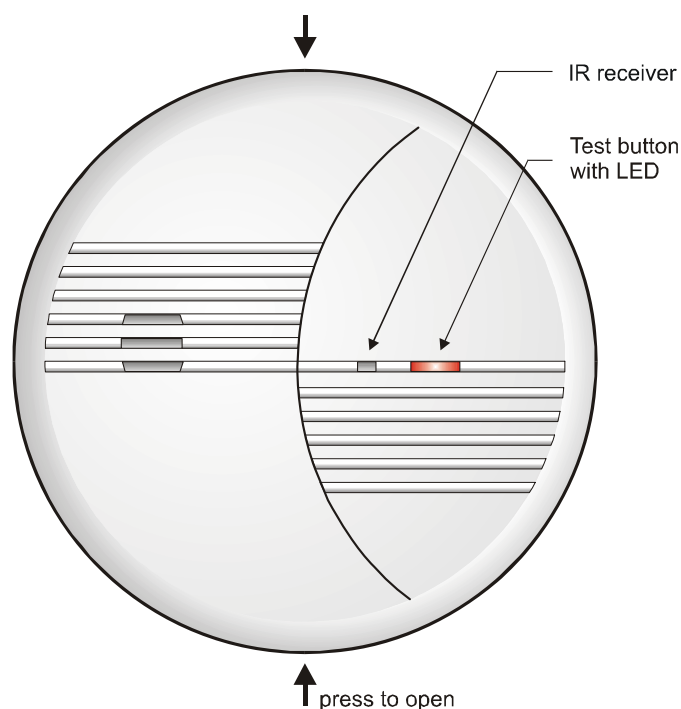# JA-60SR Wireless Smoke Detector

The JA-60SR detects smoke and wirelessly transmits this information to a receiving unit (control panel). It also has a built in siren to warn people in the immediate vicinity. For testing purposes the detector is equipped with a testing button. You can also test it remotely using any audio/video remote control.

The detector makes regular auto testing and reports its condition to the system regularly for full supervision.

IR receiver

Test button with LED

press to open

Specifications

power	3 V - 2 x AA battery 1.5V
battery life time	about 1 year
working frequency	433,92 MHz
working range	max. 100 m (open area)
built in sensor	ionic chamber
radiation of sensor	max. 4 kBq
sensitivity	$y = 0,4 \div 0,7$ (EN 54-7)
built in siren	95dB/1m
RF immunity	30V / 1m
blowing air immunity	max. 12m / s
working environment	indoor use , -10 to +60°C
enclosure	IP 40

complies with ISO 12239, EN 54-7

can be operated according to ERC REC 70-03

CE 0700

Hereby, Jablotron Ltd., declares that this JA-60SR is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Original of the conformity assessment can be found at the web page www.jablotron.cz, section Technical support.

Contents of the set: *detector, 2 plastic dowels, 2 screws, 2 AA batteries (inside the detector)*
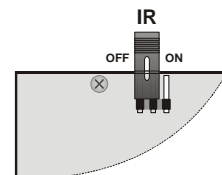
Installation

The detector should be installed on the ceiling, with the distance from walls 0.6 m as a minimum. The detector should not be installed in a place with poor air circulation. If you install the JA60SR in a long corridor (9 m and more), install at least two detectors , one at each end. A detector can cover an area of about 50 m^3 of free space (no partitions). The detector should not be installed close to any fan, heating/cooling vent, fluorescent lamp or air ionizer. The JA-60SR is not suitable for places with a high concentration of paint solvents or car exhausts (fumes). While deciding where to install the detector, keep in consideration that detector's batteries have to be replaced from time to time (approximately once a year).

Note: the detector can also be triggered by heavy cigarette smoke or fumes from cooking.

- Open the cover of the detector (press it from both sides up to the lines on the housing. – see the picture)
- Attach the rear panel with the two provided screws to the desired location. Tighten the screws firmly, being sure that the panel is not crooked.
- Study the installation manual of the receiver unit (control panel) to learn how to enter the enrolling mode to enroll the detector.
- Connect batteries in the detector (removing the plastic tape). The JA-60SR will transmit an enrollment signal and its buzzer will make a sound. From this moment the detector is ready to work.
- Attach the detector's front cover to the rear panel so that both tabs click. Check that the detector is fixed firmly. Warning – for safety reasons it is **impossible to close the detector without the batteries!**
- Press and hold the testing button. The detector will make an alarm sound in few seconds. If the detector is tested after 15 minutes from the first testing, it won't transmit alarm signal to the central unit (only local indication).

Jumper IR ON / OFF - the internal IR remote control testing can be disabled by this jumper.

Normal operating mode of the detector

The detector, in normal operating mode, performs a self testing every 60 seconds (indicated by a short flash of the LED) and reports its condition to the system.

If smoke is detected, the JA-60SR will make a "soft" warning sound at first and if the smoke concentration does not go down in 10 seconds, it will trigger an alarm (siren & signal to the alarm system).

After the smoke concentration drops, the detector will go to stand by mode again. You can stop the siren by pressing the test button or using a remote control (see bellow).

To test the detector – switch the control panel to the user or service mode first. Then **press and hold the testing button or use any IR remote control (TV, stereo etc.).** Standing under the installed smoke sensor aim the remote control up to the detector holding any button pressed. The detector, at first, will generate soft beeps and within a few seconds it should start an alarm (siren sound and control panel triggering). Note, that different remote controls can differ in working distance.

Battery testing and replacement

The detector checks the condition of its batteries automatically. If it is necessary to replace batteries, the detector will inform the system about the need for new batteries and it will start to generate "soft" beeps every minute.

Use only high quality alkaline AA batteries for replacement. After installation of new batteries the detector's buzzer will make a sound to confirm that it is ready again.

If there is no sound after the batteries are installed and the LED is flashing, it means that the installed batteries have a low voltage and should be changed for new ones.

Warning – for safety reasons it is *impossible to close the detector without batteries!*

Note: we recommend to remove dust from the detector every time you replace its batteries. Use a dry cloth or blow on it gently.

Note: Dispose of batteries safely depending on the type of the batteries and local regulation. Although this product does not contain any harmful materials we suggest you to return the product to the dealer or directly to the producer after usage.