

# The JA-151ST Wireless combined smoke and heat detector

## 4. Proceed according to the control panel installation manual.

### Basic procedure:

- There must be the JA-110R radio module enrolled in the system.
- Go to the **F-Link** program, select the required position in the **Devices** window and launch enrollment mode by clicking on the Enroll option.
- When you insert all batteries into the detector, an enrollment code is sent to the system – its sending is confirmed with a short flash of the LED indicator (3).

**Note:** The detector can also be enrolled into the system by entering its serial number (5) in the F-Link program or using a bar code scanner). All numbers stated under the bar code shall be entered (1400-00-0000-0001).

- Insert the detector into the plastic base.** The detector can be inserted into the plastic base in one position only. It is marked with **arrows** (4) on both plastic parts. Close the detector cover by turning it clockwise (2).

**Note:** Detector cover closing is blocked unless all 3 batteries are inserted!

The mounting base must not be replaced by bases meant for detectors without the test button consisting of pressing the body of the detector.

## Detector setting

The detector properties can be set in the **Devices** window in the **F-Link** program or with configuration terminals.

The **Reaction** option in the **Devices** window allows you to set the type of reaction of the system to the activation of the enrolled detector. The configuration terminals on the detector PCB determine other reactions:

**SIR** enables deactivating the built-in siren.

**MEM** alarm memory signalling – if enabled, the detector LED remains active for an additional 24 hours. Signalling can also be terminated by pressing the detector body against the base.

**SMOKE and TEMP** combination of these terminals defines whether the detector will react to smoke and heat.

## Fire alarm

A **fire alarm** is signalled acoustically and optically according to the settings.

When the conditions for fire alarm triggering are met (smoke is detected in the room, the alarm temperature is reached, or both conditions are met), the detector signals the danger by sounding the siren and quick flashing of the LED indicator (3). The alarm information is concurrently sent to the system control panel.

**Silencing the siren during an alarm:** The siren can be silenced by pressing the detector body against the base. The siren is inactive for 10 minutes. If the detector still detects smoke or heat then, the siren is activated again.

When the need arises (e.g. in the case of detector failure), it is possible to postpone siren reactivation by up to 12 hours. This can be done by pressing the detector again for 5 s after silencing the siren. When the detector chirps, you have to release the pressure within 1 s. The switchover to postponed siren mode is confirmed with 5 chirps. The detector LED flashes all the time during the postponement.

**Alarm memory:** If it is enabled, LED indication continues even when the smoke clears or when the temperature decreases. The slow-flashing indication lasts 24 hours unless it is terminated by pressing the detector body.

**Tamper alarm:** When the detector cover is opened, the detector sends a tamper signal to the control panel.

## Detector testing and maintenance

The detector should be tested at least once per month. To test the detector press the detector against the base and wait until an LED indicator switches on. The LED flashing signals switchover to the test mode. The LED is flashes for the whole duration of the test. When the test is complete, the LED switches off. The detector then signals the result. If the detector beeps once, the test has been done successfully. If a failure is discovered, the LED flashes and beeps three times. If the battery is low, there is no acoustic signalling but just one flash when the test is completed.

The complete functioning of the optical part of the detector can be tested with a test spray (e.g. SD-TESTER). The heat sensor can be tested with heated air (e.g. with a hair dryer).

If the control panel is not in SERVICE mode, a fire alarm is triggered.

**Warning: never test the detector with fire.**

## Fault indication

The detector checks its functioning. If it discovers a fault, it chirps and flashes the LED three times and then flashes briefly three times every 30 s.

A detector test can be carried out when a fault is signalled. To test the detector, press its whole body against the base. During the test the detector checks whether there is still a fault. The red LED flashes during the test. When the test is completed, the LED stops flashing and the detector then signals the result. A persistent fault is signalled by 3 flashes and 3 beeps. If the fault has been fixed, the detector chirps briefly.

If you have not managed to fix the fault, the detector must be sent to a service centre.

## Battery replacement

The detector checks the battery status and if the batteries are running low, the detector signals that they need replacing by short flashes repeated every 30 s. The information is also sent to the control panel. Replace the batteries as soon as possible.

Exchange procedure:

- If the detector is already enrolled to the system it's necessary to enter service mode
- open the detector
- remove the old batteries
- press and hold the test button (8) until the LED (3) goes ON
- when the LED goes OFF, it shows the capacitors inside the detector have been discharged
- insert some new batteries

Always replace all three batteries with the same type and manufacturer.

Use only high-quality 1.5 V AA alkaline batteries.

**Do not throw used batteries into ordinary household waste. Deposit them at authorized collection points.**

## Removal of the detector from the system

The system reports any possible detector loss. If you have removed it on purpose, you also have to erase it from the corresponding address in the control panel memory.

## Technical specifications

Power	3 x Alkaline battery type LR6 (AA) 1.5 V / 2.4 Ah
Typical lifetime	approx. 3 years
Smoke detection	optical light scattering
Smoke detector sensitivity	$m = 0.11 - 0.13 \text{ dB/m}$
Heat detection	pursuant to EN 14604:2005, EN 54-7
Alarm temperature	class A1 according to EN 54-5
Communication band	+ 60 °C to +65 °C
Communication range	868.1 MHz, Jablotron protocol
Dimensions	approx. 300 m (unrestricted area)
Weight	diameter 126 mm, height 50 mm
Operating temperature range	150 g
Also complies with	-10 °C to +65 °C
	EN 54-25,
	ETSI EN 300 220, EN 60950-1, EN 50130-4 and EN 55022.
Can be operated according to	ERC REC 70-03



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JABLOTRON ALARMS a.s. hereby declares that the JA-151ST is in a compliance with the relevant Union harmonisation legislation: Directives No: 2014/53/EU, 2014/35/EU, 2014/30/EU, 2011/65/EU. The original of the conformity assessment can be found at [www.jablotron.com](http://www.jablotron.com) - Section Downloads.

**Note:** Although this product does not contain any harmful materials we suggest you return the product to the dealer or directly to the producer after use.