



## JA-150R One-way signal repeater for JA-100 wireless devices

Designed to extend the communication distance and to increase transmission reliability in large installations. It repeats the signal of all one-way devices from JABLOTRON 100+.

○ [Declaration of conformity - JA-150R \(PDF 314.32 kB\)](#)



### Description

It also supports non-addressable PG modules, one-way key fobs and JA-15xJ MS key fobs.

The product is a component of the JABLOTRON 100+ system, is addressable and occupies one position in the system.

- It allows you to choose which peripheral devices the signal should be repeated from
- It is directly supplied by the mains and backed up by a battery

### Supported peripheral devices:

- Detectors of the JA-15x series
- Detectors of the JA-18x series
- Key fobs JA-154J MS, JA-152J MS, JA-164J, JA-162J
- PG modules JA-150N, JA-151N

### Technical specifications

<b>Power</b>	110 - 230 V AC/50 - 60 Hz, protection class II.
<b>Consumption typ. / max.</b>	approx. 0.5 W/1 W (at 230 V AC)
<b>Galvanically separated</b>	test voltage 4 kV
<b>Communication frequency</b>	868.1 MHz
<b>Maximum radio-frequency power (ERP)</b>	25 mW
<b>Antenna</b>	internal
<b>Compatible with</b>	Radio module FW JA-11xR LR6x613+ Control panel FW LJ(MD)60420+ F-Link 1.4.0+
<b>Backup battery 4.8V (BAT-4V8-N900)</b>	900 mAh
<b>Type of backup battery</b>	NiCd

<b>Low battery detection</b>	≤ 4.2 V
<b>Protection against discharging</b>	≤ 4.0 V
<b>External power supply voltage range</b>	4.5-8.0 V DC ±10%/200 mA
<b>Typical battery lifetime</b>	approx. 4 years
<b>PCB dimensions</b>	112 x 66 x 12 mm
<b>JA-194PL dimensions</b>	132 x 182 x 45 mm
<b>Weight (PCB, backup battery and housing)</b>	363 g
<b>Classification</b>	security grade 2, ACE type B
<b>According to</b>	EN 50131-1, EN 50131-3, EN 50131-5-3, EN 50130-6
<b>Environment</b>	II. Indoor general (according to EN 50131-1)
<b>Operational temperature range</b>	-10 °C to +40 °C
<b>Also complies with</b>	ETSI EN 300 220, EN 50130-4, EN 55022, EN 60950-1
<b>Can be operated according to</b>	ERC REC 70-03
<b>Certification body</b>	Trezor Test s.r.o.