



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+.

o [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.

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

Supported peripheral devices:

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

Technical specifications

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

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