Bus module for connecting JA-100 wireless components

Code: JA-112R



The module provides an internal communication interface between the wired bus and the wireless elements of the JABLOTRON 100+ and Mercury systems. The product is only compatible with JA-100K, JA-101K, JA-102K, JA-103K, JA-106K, JA-107K control panels and the new JA-151R repeater (it is also compatible with the older JA-150R repeater).

Product description:

It enables radio connection between the control panel and wireless peripherals, such as detectors, keypads, sirens, remote controls, output modules, etc. Up to 3 radio modules can be connected to a single control panel. This ensures reliable internal radio communication coverage even in large buildings or across wide external perimeters.

- The product is a **modernised successor** to the JA-111R module. It retains the same dimensions and installation procedures.
- The package contains the **PCB itself and a connection cable**. When retrofitting into a JA-102K, JA-103K, or JA-107K control panel, the PCB is mounted into the prepared holder (included with the control panel) and connected to the panel using the supplied 4-pin connection cable.
- For control panels designated JA-10xKR, the radio module is **factory-fitted** and does not need to be ordered separately, unless the scope of the installation requires multiple radio modules.
- The module can also be installed anywhere indoors where the system bus is available. When installed outside the control panel, the module must be fitted into the PLV-JA111R **installation kit** (sold separately; the kit includes a plastic cover and a terminal block for the bus connection).

Wireless peripherals can only be assigned within the range of positions **1 to 120**. PG output statuses can only be transmitted wirelessly between the control panel and peripherals within the range of **PG 1 to 32**. Other peripheral positions and PG outputs only support bus communication.

Technical information:

Power supply	from the control panel bus 12 V DC (8-15 V)
Nominal current consumption	30 mA
Maximum current consumption	80 mA
Communication frequency	868.1 MHz, JABLOTRON protocol
Maximum radio frequency power (ERP)	<25 mW
Communication range (line of sight)	500 m
Dimensions	135 x 35 x 8 mm
Weight (electronics only)	70 g
Classification	security grade 2 / environment class II / ACE type B (according to EN 50131-1)

Environment	indoor general
Operating temperature range	-10 °C to +40 °C
Average operating humidity	75 % RH, non-condensation
Certification body	Trezor Test s.r.o. (No. 3025), Kiwa Nederland b.v.
Complies with	EN 50131-1, -3, -5-3, ETSI EN 300 220-2, EN 50130-4, EN 55032, EN 62368-1, EN IEC 63000, T 031
Can be operated according to	ERC REC 70-30