

JA-111H TRB Bus module - interface for wired detectors

The JA-111H TRB is component of the JABLOTRON system. It serves for connecting a wired detector with NC / NO outputs to the control panel bus. It provides a power supply for the detector and reports its activation, tampering and faults. The module should be installed by a trained technician with a valid certificate issued by an authorised distributor.

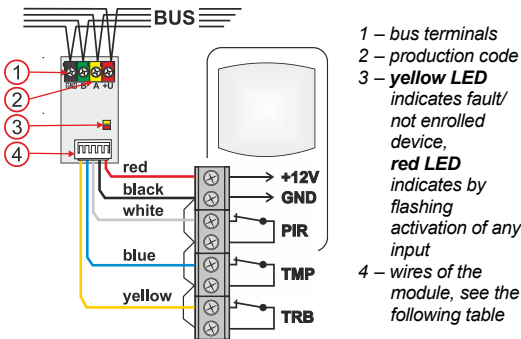
Installation



When connecting the module to the system bus, always switch the power off.
The power consumption of the connected detector must not exceed 50 mA (the module power supply output is not protected against overloading).

It is designed to be installed inside a standard wired detector (with contact outputs) but thanks to the extended wires can also be installed out of it in a protected installation box.

- 1. Install the module at a suitable place in the detector or inside the protected installation box near the detector. The wire can be extended to up to 3 m maximum. When the module is installed inside the detector ensure that it cannot make a short circuit because of poor isolation.
- 2. Connect the wires to the detector (according to Fig. 1).
- 3. Connect the bus cable and switch on the control panel power.
- 4. The control panel has to be in service mode.
- 5. Close the cover of the detector with the installed module inside.



Wire	Meaning	Function
Red	+12 V	Power for detector
Black	GND	Common wire
White	INP	Alarm input
Blue	TMP	Tamper input
Yellow	TRB	Trouble input

Table 1: Wires of the module

Figure 1: Description of the internal parts of the product and connecting the wires of the module

Enrolment to the system and settings

According to the type of control panel use recommended software or application - see control panel manual.

Technical specifications

Power	from control panel bus 12 V DC (9...15 V)	Classification	security grade 2 / environmental class II
Quiescent current consumption	8 mA		(according to EN 50131-1)
	(+ consumption of connected devices)	Note: valid only, if it is built-in to security grade 2 or higher	certified housing
Maximal current consumption	12 mA	Environment	indoor general
	(+ consumption of connected devices)	Operating temperature range	-10 °C to +40 °C
Maximum allowed current of the connected detector.....	50 mA	Average humidity	75% RH, non-condensation
Type of control device (ACE)	type B	Certification body.....	Trezor Test s.r.o. (no. 3025), Kiwa Nederland b.v.
Dimensions.....	16 x 30 x 12 mm	Complies with.....	EN 50130-4, EN 55032, T 031, EN 50131-1, -3, EN IEC 63000
Weight	8 g		



JABLOTRON a.s. hereby declares that the product JA-111H TRB is in a compliance with the relevant Union harmonisation legislation: Directives No: 2014/30/EU, 2011/65/EU. The original of the conformity assessment can be found at www.jablotron.com - Section Downloads.



Note: Disposing of this product correctly will help save valuable resources and prevent any potential negative effects on human health and the environment, which could otherwise arise from inappropriate waste handling. Please return the product to the dealer or contact your local authority for further details of your nearest designated collection point.

For an electronic version of this document (available in other languages) or a version for installation in the JA-100+, scan the attached QR code (https://manuals.jablotron.com/ja-111h_trb).

