

JA-110N-DIN Bus power PG module – DIN rail

The product is a component of **JABLOTRON** system. It provides a PG output power relay switch. The relay can be used to control lighting, fan etc. The module should be installed by a trained technician with a valid certificate issued by an authorized distributor.

Installation

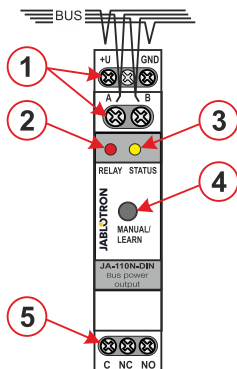


Electrical devices can only be connected by a trained technician.

When connecting the module to the system bus, always switch the power off.

1. Install module onto the DIN rail.
2. Connect the bus cable to the terminals (1).
3. Test the module function by pressing the button (4). When the module is switched on, the red RELAY LED (2) lights up.
4. Connect the controlled device to the output terminals (5).

Note: If communication is lost, the yellow STATUS LED (3) indicates this condition and after 60 seconds the relay switches to the idle state.



- 1 – bus terminals
- 2 – LED indicator of trigger
- 3 – LED indicator of fault
- 4 – button learn/ manual trigger
- 5 – relay terminals

Figure 1: Description of the external parts of the product

Enrolment to the system and settings

Depending on the type of control panel, use the recommended software or application, see the control panel manual.

Technical specification

Power.....from the control panel bus 12 V (9–15 V)

Quiescent current consumption (relay OFF).....5 mA

Maximum current consumption (relay ON) 45 mA

Relay contact load:

(galvanically and securely separated from the bus)

Maximum switched voltage..... 250 V AC/24 V DC

Resistive load ($\cos \varphi = 1$) max. 16 A

Inductive, capacitive load ($\cos \varphi = 0,3$) max. 6 A

Halogen lighting.....max. 1000 W

Direct current DC..... 384 W

Minimum DC switched output.....0.5 W

Power dissipation.....1.6 W

Power dissipation for switchboard warning1.9 W

Connected wires diameter..... max. 2 x 1.5 mm²; 1 x 2.5 mm²

Environmentindoor general

Operational temperature range.....-10 °C to +40 °C

Average operating humidity.....75% RH, non-condensing

Dimension..... 18 x 90 x 64 mm (according to EN 60715)

Weight..... 65 g

Certification body..... Trezor Test s.r.o. (no. 3025)

Complies with.....EN 50130-4, EN 55032,

EN IEC 62368-1, EN IEC 63000



JABLOTRON a.s. hereby declares that the JA-110N-DIN product is in a compliance with the relevant Union harmonisation legislation: Directives No.: 2014/35/EU, 2014/30/EU, 2011/65/EU, if it is used as intended. The original of the conformity assessment can be found at <http://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 an installation version in JA-100, scan the attached QR code: <https://manuals.jablotron.com/ja-110n-din>.



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