

JA-110N Bus power output module PG

The JA-110N is a component of the **JABLOTRON JA-100** system. It provides an output power relay switch. It can be used for switching on/off the lights, ventilators, etc. The device should be installed by a trained technician with a valid certificate issued by an authorized distributor. The relay can be controlled with a programmable control panel (PG) output.

Installation

The module can easily be installed into the JA-190PL mounting box.

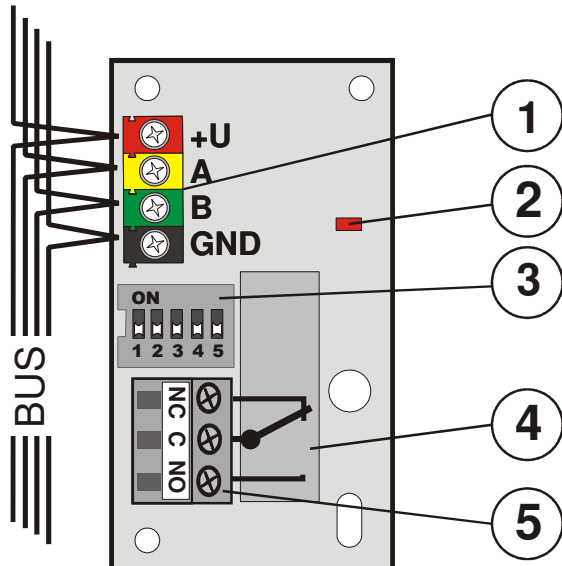


Figure: 1 – digital bus terminals; 2 – red relay switching indicator; 3 – configuration switch; 4 – output relay; 5 – relay terminals

ON 1 2 3 4 5	Pg 1	ON 1 2 3 4 5	Pg 9	ON 1 2 3 4 5	Pg 17	ON 1 2 3 4 5	Pg 25
ON 1 2 3 4 5	Pg 2	ON 1 2 3 4 5	Pg 10	ON 1 2 3 4 5	Pg 18	ON 1 2 3 4 5	Pg 26
ON 1 2 3 4 5	Pg 3	ON 1 2 3 4 5	Pg 11	ON 1 2 3 4 5	Pg 19	ON 1 2 3 4 5	Pg 27
ON 1 2 3 4 5	Pg 4	ON 1 2 3 4 5	Pg 12	ON 1 2 3 4 5	Pg 20	ON 1 2 3 4 5	Pg 28
ON 1 2 3 4 5	Pg 5	ON 1 2 3 4 5	Pg 13	ON 1 2 3 4 5	Pg 21	ON 1 2 3 4 5	Pg 29
ON 1 2 3 4 5	Pg 6	ON 1 2 3 4 5	Pg 14	ON 1 2 3 4 5	Pg 22	ON 1 2 3 4 5	Pg 30
ON 1 2 3 4 5	Pg 7	ON 1 2 3 4 5	Pg 15	ON 1 2 3 4 5	Pg 23	ON 1 2 3 4 5	Pg 31
ON 1 2 3 4 5	Pg 8	ON 1 2 3 4 5	Pg 16	ON 1 2 3 4 5	Pg 24	ON 1 2 3 4 5	Pg 32

1. Use the switch to set the required number of the PG output to which the relay should react.

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



If the module is installed outside the protected area, the JA-110T bus insulator should be used for the external section of the wiring.

Electrical devices can only be connected by an authorized technician.

2. Connect bus wires to the terminals (1).
3. Switch on the system and test its functioning.

4. Check the supply voltage at the bus terminals (red, black) when the relay is activated. The voltage must be at least 9V.
5. Connect the controlled device to the relay output terminals (5).

Notes:

- The module does not occupy any position in the control panel (it is not enrolled into the system).
- If you connect multiple modules with identical settings to the bus, the relays will have the same function.
- The number of modules is only limited by the power consumption from the digital bus.
- The setting of individual programmable outputs is done in the **PG outputs** window in the F-Link program. A detailed description of the setting is available in the control panel installation manual

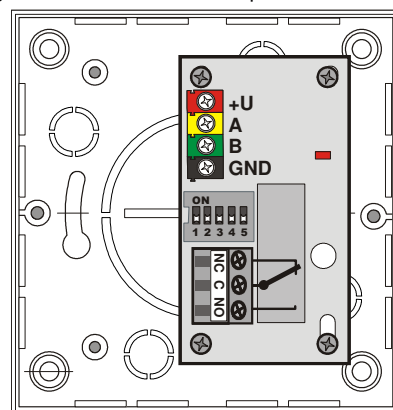


Figure: Example of JA-110N module installation into a JA-190PL mounting box

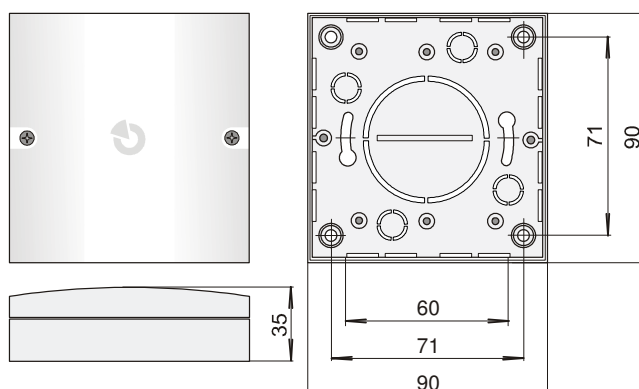


Figure: The JA-190PL mounting box dimensions

Technical specifications

Power	from control panel digital bus 12 V (9...15 V)
Current consumption in standby mode	5 mA
Current consumption for cable choice	45 mA
Relay contact rating	
Maximum voltage	250 V AC / 24V DC
Resistive load (cosφ=1)	max.16A / 250VAC
Inductive (capacitive) load (cosφ=0.4)	max.8A / 250VAC
Minimum acceptable relay output through-wattage(DC)	0.5 W
Protection	Class II
Dimensions	70 x 38 x 20 mm
Classification	Grade II
according to	EN 50131-1, EN 50131-3, EN 50131-6
Operational environment according to EN 50131-1	II. Indoor general
Operating temperature range	-10 to 40 °C
Also complies with	EN 50130-4, EN 55022, EN 60950-1



JABLOTRON ALARMS a.s. hereby declares that the JA-110N module is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. The original of the conformity assessment can be found at www.jablotron.com - Technical Support section



Note: Although this product does not contain any harmful materials we suggest you return the product to the dealer or directly to the producer after use. For more detailed information visit www.jablotron.com.