JA-150N Wireless power output module PG

*The JA-150N is a wireless component of the **JABLOTRON 100** system. It provides an output power relay switch. It can be used for switching on/off the lights, ventilators, etc. The relay can be controlled with a programable control panel (PG) output or according to the status of a section (set = relay on) or when there is an alarm in a chosen section (alarm = relay on). The device should be installed by a trained technician with a valid certificate issued by an authorised distributor.*

Installation

The module can be installed into a JA-190PL mounting box. For proper module functioning, it is necessary to have a JA-110R radio module installed in the system.

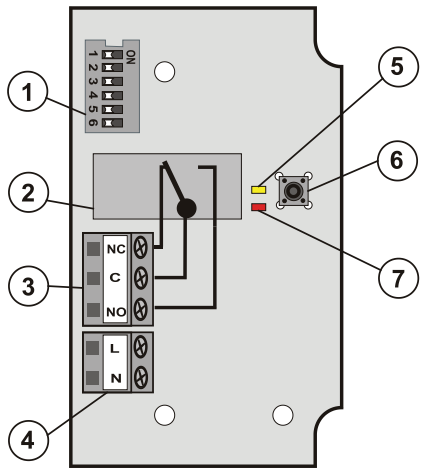

Figure: 1 – configuration DIP switch; 2 – output relay; 3 – relay terminals; 4 – main power terminals; 5 – yellow enrollment mode indicator; 6 – enrollment button; 7 – red relay switching indiciator

1 Use the switch(1) to set the required PG output or section to which the relay should react (see tables).

2 Connect the main power cable to the mains terminals (4); turn the main power on.

Electrical devices can only be connected by an authorized technician.

The product is used for single pole switching of a single line and it does not provide safe disconnection of both mains lines.

3 After starting up, the yellow LED (5) starts to light permanently. Briefly press the button (6) and the LED starts to blink and enrollment mode is opened. In the F-Link software go to **F-Link – Settings – Devices** and press the button called **Send enrollment signal**. The module will confirm enrolling by a 2 sec flash. If the module does not receive an enrollment code in 120 sec., enrollment mode is closed (LED lit) and it waits for enrollment mode to be opened again.

4 Test the module's functioning. Relay switching is indicated by the red LED (7).

5 Connect the device to be controlled to the relay terminals (3).

Notes:

- The module does not occupy any position in control panel.
- Only one control panel can be enrolled to the module.
- If you connect multiple modules with identical settings to the system, the relays will have the same function.
- The relay switches to standby mode when it loses AC or communication is lost for 2 hours. After AC restoration or communication restoration the module will switch to the requested mode in 8 sec.
- You can erase an enrolled control panel by pressing and holding the button (6) for 6 sec. Erasing is confirmed by 6x quick flashes of the LED (5). Then the LED starts flashing and the module opens enrollment mode.
- The setting of individual programmable outputs is done in the PG outputs tab in the F-Link software. A detailed description of the settings is available in the control panel installation manual.
- When the output is set according to the SECTION SET table the relay is on if the section is fully set.
- When the output is set according to the SECTION ALARM table the relay is on if there is an external or internal warning (EW or IW).

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

table 1: The relay reacts to the PG output state.

SC 1	SC 9	AL 1	AL 9
SC 2	SC 10	AL 2	AL 10
SC 3	SC 11	AL 3	AL 11
SC 4	SC 12	AL 4	AL 12
SC 5	SC 13	AL 5	AL 13
SC 6	SC 14	AL 6	AL 14
SC 7	SC 15	AL 7	AL 15
SC 8	SECTION: SET	AL 8	SECTION: ALARM

table 2: The relay reacts to setting the selected section

table 3: The relay reacts to an alarm in the selected section

Technical specifications

Power supply; power consumption	230 V/50 Hz; 1.5W
Communication band	868.1 MHz
Relay contact loadability (3) – safety class II:	
Maximum acceptable relay voltage	250 V AC
Resistive load (cosφ=1)	max.16A
Inductive (capacitive) load (cosφ=0.4)	max. 8A
Halogen lighting	max. 1000 W
Minimum acceptable relay throughput DC	0.5 W
Wire diameter:	max. 2 x 1.5mm^2; max. 1 x 2.5 mm^2
Dimensions	82 x 50 x 19mm
Operational environment to EN 50131-1	Indoor general
Operating temperature range	-10 to + 40°C
Also complies with	ETSI EN 300220, EN 50130-4, EN 55022, EN 60950-1

JABLOTRON ALARMS a.s. hereby declares that the JA-150N is in a compliance with the relevant Union harmonisation legislation: Directives No: 2014/53/EU, 2014/35/EU, 2014/30/EU, 2011/65/EU. The original of the conformity assessment can be found at www.jablotron.com - Section Downloads.

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.

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