

JA-150N Wireless power output mode PG

The JA-150N is a wireless component of the JABLOTRON 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 programmable 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



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.

Installation procedure:

- 1. Use the switch (1) to set the required PG output or section to which the relay should react - see Table 1 and 2.
- 2. Connect the main power cable to the terminals (4).
- 3. Connect the device to be controlled to the terminals (3).

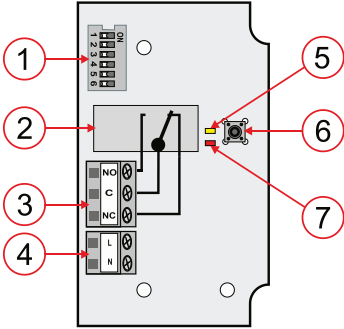


Fig. 1: Description of the module
1 – DIP switch
2 – relay
3 – relay terminals
4 – main power terminals
5 – yellow enrolment LED
6 – enrolment button
7 – red activation LED

Note: The module can be placed in the JA-190PL mounting box.

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

Table 1: The relay on section state

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

Table 2: The relay reacts on PG

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 specifications

Power..... 230 V AC / 50 Hz
Communication frequency..... 868.1 MHz, JABLOTRON protocol
Maximum radiofrequency power (ERP) <25 mW
Maximal current consumption 30 mA
Relay contact loadability:
Maximum acceptable relay voltage 230 V AC / 24 V DC
Resistive load (cos φ = 1)..... max. 16 A
Inductive (capacitive) load (cos φ = 0.4)..... max. 8 A
Halogen lighting max. 1000 W
Minimum acceptable relay throughput DC..... 0.5 W
Minimum switching current..... 10 mA

Wire diameter max. 2 x 1.5 mm², max. 1 x 2.5 mm²
Dimensions..... 82 x 51 x 19 mm
Weight..... 46 g
Average operating humidity..... 75% RH, non-condensing
Environment indoor general
Operating temperature range -10 °C to + 40 °C
In compliance with..... ETSI EN 300 220-1, -2, EN 50130-4, EN 55032, EN 62368-1, EN IEC 63000
Can be operated according to ERC REC 70-03



JABLOTRON 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 the product does not contain any harmful materials, do not dispose of it in the garbage, but take it to an e-waste collection point. For more information, visit www.jablotron.com in the Downloads section.

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