

JB-164N-PLUG Smart wireless plug with consumption measurement (French)

Type: 50OUTPUT2415RO



JABLOTRON



The JB-164N-PLUG is a bidirectional wireless component of the JABLOTRON system. When enrolled to the control panel the relay copies the selected PG output. Relay load capacity is up to 16 A / 250 V (4000 W) resistive load. The socket provides an informative measurement of power consumption. The output relay can also be controlled manually by the front panel push button (2). The product is suitable for automated switching of simple appliances, such as electric heater, heating ladder, floor lamp, circulation pump, etc. It occupies one position in the control panel. The product is intended for installation by a trained technician with a valid Jablotron certificate.

The product is compatible with JA-101K, JA-102K, JA-103K, JA-106K, JA-107K, JA-152KR control panels.

Note: To display a graph of the informative measurement of the power consumption of the connected appliance, it is necessary to set up the MyJABLOTRON service for the end user.

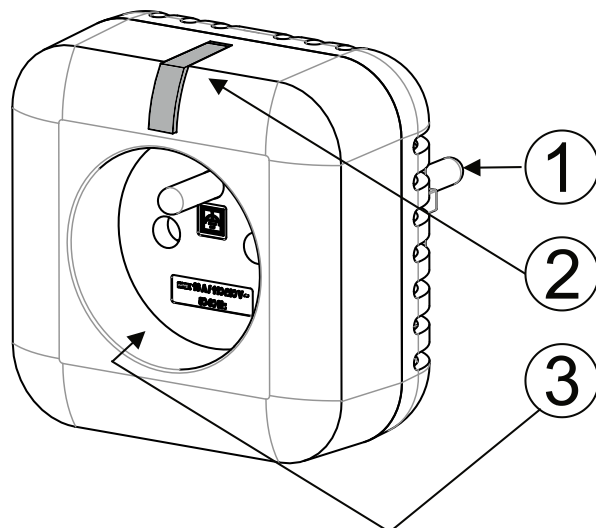


Fig. 1: Description of external parts of the product
1 – UniSchuko plug; 2 – function button / LED; 3 – French socket

Installation



It is used for functional single pole switching and does not provide safe disconnection.

The product is installed by plugging it into the mains. For the smart socket to work with the JA-100 control panel, the JA-11xR radio module must be installed.

1. Insert the product to the power outlet.
2. Please also refer to the installation manual of the control panel.

Basic procedure:

- a. When inserted into the power outlet, the LED (2) indicates by a yellow steady light that the socket is not enrolled to the system.
- b. In **F-Link**, select the desired position in the **Devices** tab and select **Enrol** to turn on an enrolment mode.
- c. Pressing the button (2) sends an enrolment signal to the control panel. If the plug enrolls to the control panel, the yellow LED goes off and the green LED lights up.

Setting properties

In **F-Link**, select the **Devices** tab. At the product position, select **Internal Settings**. In the dialog box, set:

Reacts to PG – sets the PG output of the control panel, which will be copied by the plug.

Button controls PG – sets the PG output of the control panel, which is activated by pressing the button (2).

Low tariff – the plug sends consumption data in the low tariff if the enrolled PG is active.

High tariff – the plug sends consumption data in the high tariff if the enrolled PG is OFF or isn't enrol.

LED indication:

- Permanently – LED indicates the relay status permanently
- By status change – LED indicates relay status after switching for 3 s
- Disabled – Relay status LED completely off

Plug operation

The relay status is indicated by backlit button (2).

Green – relay off, socket is not open

Red – relay on, socket is currently open and supplying power to the connected appliances

Yellow – indicates a communication failure with the control panel or a condition where the plug is not enrol to the control panel

Consumption graph - the user can see it in the MyJABLOTRON application in the *Consumption* tab

Notes:

- If the mains power is lost or communication with the control panel is lost for more than 20 minutes, the relay switches to the idle state - relay off. Loss of communication is indicated by a steady yellow LED.
- When power supply or communication with the control panel is restored, the socket resets the relay state according to the PG output set in the control panel.

Technical parameters

Power supply	110–230 V AC / 50–60 Hz
Power consumption at 230 V AC (min/max)	0.4 W / 1 W
Operating frequency	868.1 MHz, Jablotron protocol
Maximum RF power (ERP)	<25 mW
Antenna	indoor
Contact load capacity - protection class II + FE:	
Maximum switching voltage	250 V AC
Resistive load (cos φ = 1)	max. 16 A
Inductive, capacitive load (cos φ = 0.4)	max. 8 A
Dimensions	70 x 70 x 77.6 mm
Weight	105 g
Operating temperature range	-10 °C to +40 °C
Average operating humidity	75 % RH, non-condensation
In compliance with	ETSI EN 300 220-2, EN 50130-4
	EN 55032, EN IEC 62368-1, EN IEC 63000
Can be operated according to	ERC REC 70-03



JABLOTRON a.s. declares that the product 50OUTPUT2415RO is designed and manufactured in compliance with the harmonisation legislation of the European Union: directives 2014/53/EU, 2014/35/EU, 2014/30/EU, 2011/65/EU, when used as intended. The original Declaration of Conformity is available at www.jablotron.com in the Downloads section.



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.



JABLOTRON a.s.
Pod Skalkou 4567/33 | 46601 | Jablonec n. Nisou
Czech Republic | www.jablotron.com

