The JA-185J transmitter (car accessory)

*The JA-185J is a component of **JABLOTRON** alarm system. It is designed to be installed inside cars with a voltage supply of 12 to 24 V to remotely control electrical appliances (e.g. garage doors or parking gates), in a similar way to the JA-186J keyfob. It can also be used for sending an alarm signal from a car.*

The transmitter is not continuously powered and only transmits a signal when connected to the power supply. It can be configured whether a signal is sent instantly or only after two applications of the power supply within 2 seconds.

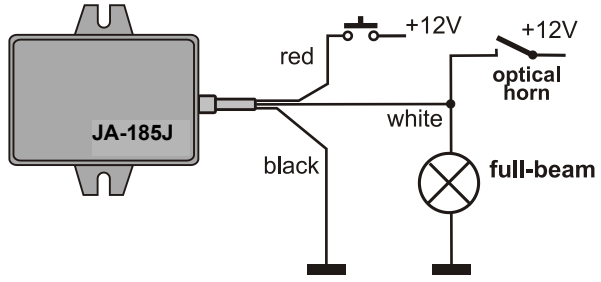
Installation

Install the transmitter into the car's interior (e.g. in the dash-board) It should not be installed directly onto a metal surface (it adversely affects the transmitter's radio range). We recommend securing the transmitter onto a plastic part of the car with screws. The wires also serve as an antenna so they should not be shorter than 30 cm.

Wiring

Black	GND	
Red	**Connecting to a positive voltage supply sends a SET (arm) signal**	
White	**Connecting to a negative voltage supply sends an UNSET (disarm) signal**	
By **connecting** both wires to a voltage supply a panic signal is sent (= both buttons are pressed simultaneously).		

- **For operation in a car** it is possible to use existing switches in the car (full-beam headlight flash switch, horn – it is recommended to have the double-pulse reaction enabled), or, alternatively, any other suitable additional switches can be installed.



Example of wiring in a car

- **To send alarm information from a car** to an Jablotron system, connect the red and white wires to the car alarm output where a positive voltage supply is present during an alarm (e.g. the siren output).

Caution: Avoid using this output for confirming car alarm operation (this would cause false alarms).

Double-pulse reaction

As a factory default, the transmitter will send a signal immediately after being connected to a power supply. This behaviour can be changed by connecting a jumper (link) inside the transmitter. After that, both inputs will react only when a voltage supply is connected for the second time within 2 seconds. This corresponds to a double-press of a button. This feature allows you to prevent the appliances from reacting to changes in voltage supply which are due to standard car operation, e.g. turning lights on/off. If both inputs are switched simultaneously to a voltage supply, a panic signal is always sent immediately after the power supply has been connected for the first time, regardless of the jumper setting.

Enrollment to a receiver

Enrolling the JA-185J transmitter is the same as in the case of the JA-186J keyfob. But instead of pressing the buttons, the two wires get connected to a voltage supply.

Notes about JA-185J functions

The JA-185J **only sends a signal at the moment of connecting the wires** to a voltage supply. For the next transmission, the voltage supply must first be disconnected and then connected again. The functions of each wire are independent – if one wire is permanently connected to a voltage supply, the other one still works.

For controlling appliances, the JA-182N or JA-180N receivers can be used (the transmitter is enrolled to the receiver by activation – see the manual for the particular receiver).

For acoustic signalling, the doorbell function of the JA-180L indoor wireless siren can be used (the transmitter is enrolled to the siren by activation – see the manual for the siren).

For reporting a car alarm to an Jablotron alarm system, the transmitter can be enrolled to the Jablotron control panel or to the JA-182N receiver. In enrollment mode, connect both JA-185J wires (red and white) to a positive voltage supply and keep them connected for about 3 sec. (the same effect as simultaneously pressing and holding a keyfob's buttons).

When the car alarm is triggered connect power to the red wire to transmit a signal. The device reaction in the Jablotron system is set to 4 (24 hours).

Technical specifications

Power supply	*12 V to 24 V ± 30 %*
Consumption	*10/20 mA*
Communication band	*868.1 MHz, Jablotron protocol*
Maximum radio-frequency power (ERP)	*7 mW*
Communication range	*approx. 50 m (open area)*
Config. input reactions	*1 or 2 pulses of voltage supply*
Operational temperature range	*-10 °C to +40 °C*
Storage temperature range	*-40 °C to +85 °C*
Dimensions, weight	*84 x 53 x 25 mm, 120 g*
Can be operated according to	*ERC REC 70-03*

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JABLOTRON ALARMS a.s. hereby declares that the JA-185J 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: 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.

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