

JA-193Y-LITE 4G communicator LITE

Type: GSM2201MD

The LTE communicator module is intended to be used with the JA-152KR security alarm control panel of the JABLOTRON series.

A control panel fitted with the JA-193Y-LITE module can communicate with an ARC via GSM networks. It also enables remote configuration of the control panel.

Installing the module in the control panel

The module is to be installed directly on the control panel's motherboard using a flat connector labelled GSM Module (see the control panel installation manual).

- Prepare a suitable SIM card (micro-SIM).** It must be activated (test is using a mobile phone), DATA (GPRS, LTE) services must be enabled. If the SIM card requires a PIN code, **deactivate** it using the mobile phone. The communicator works with pre-paid cards; however, it is recommended to use a SIM card with a monthly plan to make sure the communicator works properly.
- Insert the SIM card** into the SIM card slot.
- Disconnect** the control panel from its power supply (backup battery and mains electricity)
- Insert the communicator module into the system connector on the control panel and use two screws (2) to fix it to the motherboard.

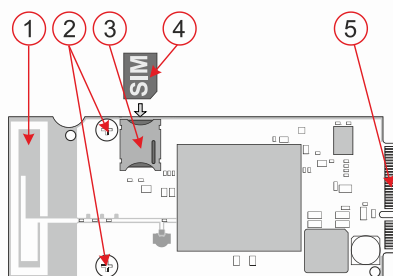


Fig. 1: The JA-193Y-LITE communicator

Description: 1 – GSM antenna; 2 – safety screws;
3 – SIM card holder; 4 – SIM card; 5 – system connector

Communicator activation

- Before connecting the power supply, check whether: the communicator is properly fixed to the motherboard, and the SIM card is inserted into the SIM card slot. Removing the communicator module in order to insert the SIM card is **not necessary**.
- Connect the control panel's power supply** (backup battery and then the mains electricity).
- A **flashing red communicator LED** indicates connecting to a GSM network and will stop flashing within 1 minute = communicator **connected to network**.
- Disconnect the power supply if the red LED indicator keeps flashing. Insert the SIM card into a mobile phone to make sure the SIM card works correctly and does not require a PIN code.
- Remain in Service mode and **close the control panel box**.
- For the communicator settings see the Control panel installation manual.

Warning: When used near the borders of neighbouring countries, a fluctuating quality of signal may force the module to use roaming which may significantly increase communication costs. This can be prevented by disabling the SIM card's roaming (ask the mobile network provider).

Communication to ARC and communication monitoring

- The communicator periodically checks the status of the connection to the ARC and if there is a problem in communication with the ARC, a fault is triggered.
- the communicator works in the Forward mode - it receives a message from the control panel and forwards it immediately, events are not buffered and sent later.

Technical specifications

Module power supply	8–15 V DC (from the control panel)
Average current consumption	approx. 9 mA (depends on the GSM signal strength)
Peak current consumption	720 mA
GSM communication band:	
2G (GSM, EDGE)	900/1800 MHz
3G	900/2100 MHz (B8, B1)
4G (LTE)	800/900/1800/2100/2600 MHz (B20, B8, B3, B1, B7)
I&HAS classification	Security grade 2/Environmental class II (according to EN 50131-1)

(Note: this applies only in combination with a Security-grade-2-certified control panel. For more info about ARC settings, see the Control panel installation manual)

Dimensions	91 x 38 x 10 mm
Weight	15 g
Operational environment	indoor general
Operational temperature	-10 °C to 40 °C
Average operational humidity	75% RH, non-condensing
Compatible with RCT (ARC receiver)	

according to communication protocols
SPT communicator type SPT type Z (control panel expansion module)
AS/SPT interface Pass-through
Supported ATS class/communication protocol:

ATS class ¹⁾	ATS interface	Transmission protocol
SP3 - SP5	GSM-GPRS (IP)	JABLO IP ANSI SIA DC-09

Notes:

- The ATS classes listed in the ATS interface configuration with a transmission protocol is the maximum of what is possible to declare when creating an alarm communication path. The operational classification has to be determined by the installer after the ARC's agreement. The alarm communication path is created according to CLC/TS 50136-7 application guidelines.

Explanatory notes:

SPx: One communication path to an ARC (Single path) = 1 transmission medium

Certification body Trezor Test (No. 3025)
In compliance with EN 62368-1, ETSI EN 301 511, EN 50130-4, ETSI EN 301 489-1, ETSI EN 301 489-52, ETSI EN 301 486-17, ETSI EN 301 908-1, ETSI EN 301 908-13, ETSI EN 300 328, EN 55032, EN 50665, EN IEC 63000, EN 50131-1, EN 50131-10, EN 50136-1, EN 50136-2, ANSI SIA DC-09.

Can be operated according to CEPT/ECC/DEC/(04)06, ERC/DEC/(97)02, ECC/DEC/(06)01

JABLOTRON ALARMS a.s. hereby declares that the GSM2201MD is in a compliance with the relevant European 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 – 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.

UK
CA

JABLOTRON
CREATING ALARMS

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