

The JA-82Y GSM communicator

The communicator is a component of the Jablotron OASiS system. It has been designed for communication via a GSM network. It is installed directly within the OASiS control panel housing and it allows the following:

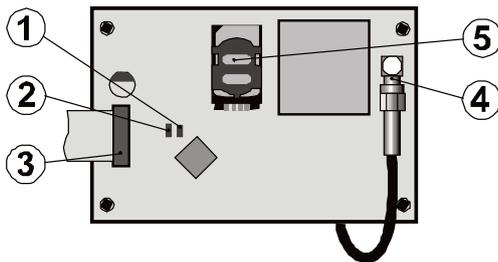
- event reporting by SMS (for up to 8 telephone numbers)
- event reporting by phone call with voice message warnings (it is possible to record up to 7 messages for various events)
- remote control and programming by phone (by calling and using the voice menu or by SMS instructions)
- remote control of the system (or appliances in the house) by dialling in from an authorized number (free of charge)
- remote control and programming of the system via the Internet
- data transmission to an Alarm Receiving Centre (ARC) - up to 2 ARCs
- sending photos from JA-84P detectors to a secure server
- updating communicator firmware, language and new text sets using Olink 2.0 software or higher

Installation in the control panel

If you purchased the communicator module separately, it should first be installed in the OASiS control panel as follows:

- a) The control panel power must be switched off (both mains and battery)
- b) Fit the communicator inside the control panel housing using screws and connect its cable to the main board.
- c) Attach the adhesive GSM antenna inside the control panel's plastic housing (it can be glued in a suitable place) and connect the antenna to the communicator.

Warning: never switch the control panel power on if the GSM antenna is not connected!!!



1.LED signalling connection to a GSM network; 2.LED signalling image transmission; 3. control panel connector; 4. GSM antenna; 5.SIM card

Initial powering up of the communicator

If the communicator is installed in the control panel and its GSM antenna is connected, then:

- a) **Have a suitable SIM card ready.** It should be activated (see if it works in a mobile phone first). If it requires a PIN code when switching the phone on, **then disable the PIN code request upon the first use of the phone**; e.g. Nokia: Menu / Settings / Security settings / PIN code request / Off. The communicator can work with a prepaid card, but we recommend using a tariff card for more reliable functioning
- b) **Insert the SIM card** into the communicator (to open the card holder push its frame up a little)
- c) **Switch on the control panel power*** (both mains and battery). The communicator's red LED should be lit = registering to the GSM network; **it should go off within a minute = registration successful**
- d) If the red LED starts flashing after a while, switch off the control panel power, put the SIM card into a mobile phone and check that

it registers to the network in the place where the control panel is installed without any PIN code requests

- e) **Close the control panel cover**, the alarm system should be in Service mode - if it is not, enter *0 Service code (Factory default setting: 8080) with the alarm system unset (disarmed)
- f) Key in **98101** - to set the **texts** and voice messages of the communicator **to the English language**
- g) Key in 888 to measure the GSM signal strength (a number in the range from 1/4 to 4/4 should be displayed). It should be at least 2/4 to ensure reliable functioning. If the signal is weak, change the location of the control panel or try a SIM card from another GSM provider (it is not recommended to use either a high-gain or directional GSM antenna)
- h) If the GSM signal strength is sufficient, **test the communicator functions** (system controlling via a mobile phone, etc), see the installers / user manual on the supplied CD / DVD.

*) If the communicator is switched on without an inserted SIM card the registration key for O-Link remote access is not generated. (Switch the communicator off, insert the SIM and switch it on again).

Warning: If installed at a location near a national border where the signal strength fluctuates, roaming to a foreign network is highly likely. We therefore recommend blocking the roaming feature in the SIM card to avoid unnecessarily high communication fees (contact your GSM provider for details).

Communicator settings

Setting the communicator up is possible using Olink version 2.0 and higher. Simple settings can also be done using the system keypad.

Manuals

Description of all functions and parameters can be found in the installer and user manuals on the supplied CD / DVD. The CD / DVD also contains a suitable version of Olink.

Technical specifications

Power	12V DC (from the control panel)
Stand-by consumption	about 35 mA (depends on the GSM signal strength)
GSM band	QUAD-BAND, 850/900/1800/1900MHz
Complies in configuration CIE OASiS system with	EN 50131-1, EN 50136-2-1 as follows
	ATS 4, ATS 5 if CID protocol is used and the repeating period is set to zero (Sequence 06p0)
Operating environment – indoor general (-10°C to 40°C)	Class II
Security	Grade 2
Safety	EN 60950-1
EMC	ETSI EN 301489-1, ETSI EN 301489-7 EN 55022, EN 50130-4
Radio transmissions	ETSI EN 301419-1 and EN 301511
CLIP protocol (caller ID + SMS)	ETSI EN 300 089
Can be operated according to	GSM Regulations



JABLOTRON ALARMS a.s. hereby declares that the JA-82Y 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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CREATING ALARMS

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