

# 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:

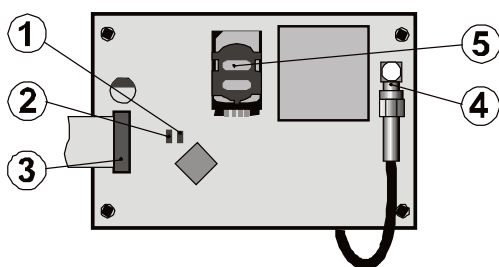
- event reporting by SMS (for up to 8 telephone numbers)
- event reporting by phone call with voice message warnings (it is possible to record up to 7 messages for various events)
- remote control and programming by phone (by calling and using the voice menu or by SMS instructions)
- remote control of 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](http://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.

**JABLOTRON**  
CREATING ALARMS

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