



## Automated unit for registration and communication BARS- 02

The unit BARS-02 is designed to receive and transmit control information and archival data from linked measuring devices, as well as information about activation of discrete sensors, to the control station via GSM standard 900/1800 (GPRS) cellular network and Internet channels. Heat meters or other external devices can be connected to the BARS-02 unit through digital interface RS-485 or RS-232.



BARS-02 can operate in two modes, switched from dispatcher's PC: "clear channel" mode and monitoring mode.

In **monitoring mode** the unit provides control of connected discrete sensors (up to 8 pieces) and transmits relevant emergency information to the PC at control station.

Switching the unit to **"Clear Channel" mode** provides transmission of control information and data between dispatcher's PC and connected metering devices without a distortion.

ZAO "PromServis" produces BARS-02 units with Ethernet and GSM modules:

	<b>BARS-02-R</b>	<b>BARS-02-P</b>
	<b>GSM module</b>	<b>Ethernet module</b>
Connection with dispatcher's PC	Subscriber station of GSM 900/1800 standard, model SIM 900D is used as communication module inside the unit.	Terminal blocks for connection of Ethernet cable and discrete sensors are placed inside the unit. It is possible to use both static and dynamic (DHCP technology) IP-address.
Maximal qty of connected discrete sensors	4	8
Frame sizes	121x171x55 mm	121x171x56 mm



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Connection of **discrete sensors** and secondary equipment is provided by means of connecting cables through appropriate terminal blocks. Fire alarm sensors, flooding sensors and etc. can be used as discrete sensors.

The unit is able to send alarm SMS-messages to the preset phone numbers.

BARS-02 units are produced with metal enclosures.

Power supply: ~220 V AC, 50 Hz.

Power consumption: not more than 10 W.

Weight of the unit – max 1 kg.

**The device is focused on the application in the system of energy dispatching and control. It allows providing remote reading of archival information from connected metering devices with minimal cost.**