UO-4S Rev.02 GSM Four-Input Alarm Panel

ИСО 9001

DATASHEET

1 OVERWIEW

1.1 This datasheet covers details of UO-4S Revision 02 GSM Four-Input Alarm Panel (hereinafter referred to as the device) designed to be used in centralized and standalone intrusion and fire alarm systems for industrial, business, and residential premises (enterprises, banks, offices, hospitals, shops, warehouses, residential buildings, etc.).

1.2 The device can operate either in the standalone mode or as part of an Orion ISS as a device transmitting notifications through GSM cellular communication channels. The device operates with other Orion ISS devices in one of two modes namely Slave (under an S2000M panel) and Master (without an S2000M panel).

1.3 Operating in the standalone mode the device sends only its own notifications over the GSM channel. In the Slave mode the device transmits messages received from the S2000M panel. In the Master mode the device by itself polls connected Orion ISS devices (S2000-4, S2000-KDL, Signal-20M, Signal-20P, and Signal-10) and on changing their states sends information via GSM cellular channels.

1.4 The device provides:

− Integration with an S2000/S2000M control panel or local network devices by means of RS-485 interface with baud rate 9600 using the Orion protocol;

− Transmitting notifications through GSM 900/1800 cellular communication channels in five directions (to five independent phone numbers) providing programming notification filters and types of notification individually for every direction;

− Various types of notifications: Contact ID (DTMF), SMS (Users), SMS (Egida-2), SMS (Egida-3), CSD, CSD (DC-09), Voice Message, Phone Call. Also data can be sent through a GPRS network to a main and backup IP address.

− Monitoring conditions of four alarm loops (LP);

− Remote control by means of received SMS: arming/disarming its alarm loops, arming/disarming partitions (in a slave mode), switching the relays on and off, changing the phone number, changing the object number;

− Arming/disarming alarm loops by means of iButtons;

− 220 V mains power monitoring.

1.5 The device is intended to be installed within enclosed unheated premises and is designed for round-the-clock operation. The device is not designed to be used in aggressive or dust media or in explosion hazardous premises.

2 SPECIFICATIONS

- Number of alarm inputs: 4.
- Number of relay outputs: 3. Maximum switched voltage/current:
  – 24 V/1 A (dc);
  – 100 V/0.5 A (ac).
- Maximum power switched by a relay: 10 W.
- Rated power voltage: 10.2 to 15 V.
- Consumed current:
  – 150 mA in quiescent mode;
  – 200 mA on sending a notification;
  – 1 A as a peak value.
- Weight: 0.3 kg max.
- Ingress protection rating: IP20.
- Overall dimensions: 156 mm × 107 mm × 39 mm.
- Operating temperature: minus 30°C to +50°C.
- The content of precious materials: no need to account for the storage, disposal and recycling.

To get more information about functionality, settings and configuration parameters, operation modes, specifications, and application please refer to UO-4S rev.02 User's Manual.

The actual versions of User's Manual and UProg.exe can be downloaded from the site of the Bolid Company http://bolid.ru in the section PRODUCTS at the page of UO-4S rev.02.

3 STANDARD DELIVERY

3.1 Following is the list of the UO-4S rev.02 components delivered by the manufacturer:

1) UO-4S Revision 02 GSM Four-Input Alarm Panel	– 1 pc.;
2) UO-4S Revision 02 Datasheet with Acceptance Certificate and UO-4S Serial No.	– 1 pc.;
3) UO-4S Revision 02 Installation Manual	– 1 pc.;
4) Accessories:	
– Antenna	– 1 pc.;
– iButton	– 1 pc.;
– Half-round head wood screw 3x25	– 3 pcs.;
– Wall plug 6x30 S	– 3 pcs.;

–	DIN 7982 flat head tapping screw with cross drive 2.2x6.5	– 1 pc.;
–	Resistor MF1/2W-8K2-5%	– 4 pcs.;
–	UO-4S-to-PC connecting cable	– 1 pc.

4   OPERATION DIRECTIVES

4.1 The device should be mounted and programmed in accordance with its User's Manual and Installation Manual.

4.2 There are no potential hazard circuits within the device.

4.3 **Do SHUT OFF device power prior to mounting, wiring, or maintaining the device.**

4.4 If a failure has been detected disconnect the device from all the connection and contact the technical support.

5   MAINTENANCE

Maintain the device annually by doing the following:

– Ensure the device enclosure is not damaged and is mounted securely; ensure the wire terminals are fastened properly;

– Remove dust, debris, and corrosion from the contact connections and the device enclosure;

– Test functionality of the device in accordance with the techniques discussed in UO-4S re.02 User's Manual or presented at the site bolid.ru.

6   TRANSPORTATION AND STORAGE

6.1 The device should be transported packed into individual or group packing by any covered vehicles in accordance with requirements of transport organizations.

6.2 The device in the consumer packing must be stored in line with Storage Ambients 1 of Russian Standard ГОСТ 15150.

6.3 The premises where the device is stored must be free from any acid fumes, alkaline fumes and other aggressive gases and harmful impurities which can cause corrosion.

7   MANUFACTURER DATA

Made by the Bolid Company, Russia

Address: 4 Pionerskaya Str., Korolev 141070, Moscow Region, Russia

Tel./fax: +7 (495) 775-71-55 (multi-channel)

E-mail: info@bolid.ru; Technical Support: support@bolid.ru;   Web: http://bolid.ru

8   CONFORMITY CERTIFICATES

8.1 Conformity Certificate № C-RU.ПБ01.В.02999 certifies that UO-4S Revision 02 GSM Four-Input Alarm Panel meets the requirements of Technical Regulations on Fire Safety Requirements (Federal Law No.123-FZ).

8.2 Conformity Certificate ТС № RU Д-RU.МЕ61.В.00353 certifies that UO-4S Revision 02 GSM Four-Input Alarm Panel meets the requirements of Technical Regulations of Custom Union TR CU 020/2011.

8.3 UO-4S Revision 02 GSM Four-Input Alarm Panel is approved by a Conformity Certificate № BY/112 03.11.023 01301.

8.4 Production of UO-4S Revision 02 GSM Four-Input Alarm Panel is certified in line with Russian Standard ГОСТ ISO 9001 – 2011 by a Conformity Certificate № РОСС RU.ИК32.К00153.

9   PRODUCT ACCEPTANCE CERTIFICATE

UO-4S Revision 02 GSM Four-Input Alarm Panel, Serial No. _____ is manufactured and accepted in accordance with mandatory requirements of state standards and current technical documentation, qualified as proper for operation and packaged by CJSC NVP "Bolid".

Responsible for acceptance and packaging

QCD   _____   _____

                         Full Name   Date, Month, Year