S2000-KS LED Monitoring and Control Panel for Fire and Intrusion Alarm Systems

ИСО 9001

DATASHEET

1 GENERAL DATA AND PURPOSE

1.1 This datasheet covers details of S2000-KS LED Monitoring and Control Panel for Fire and Intrusion Alarm Systems (hereinafter referred to as the panel) designed to operate as part of a system of fire and intrusion alarms for monitoring states ща and gathering information from system devices, for indicating alarms, for arming and disarming alarm loops, and for controlling system relay outputs.

1.2 The panel provides operating in two modes: Control Panel Mode (the mode of Master equipment) and Keypad Mode (the mode of polled device). In the Control Panel mode the S2000-KS controls such devices as Signal-20, Signal-20P, S2000-4, S2000-KDL, S2000-IT, S2000-BI, S2000-SP1, and S2000-KPB. In the Keypad mode the panel operates under Orion Pro software, or S2000/S2000M control panel, or another S2000-KS operating in the Control Panel mode.

1.3 While operating in the Control Panel mode, the S2000-KS provides:

- Monitoring devices connected to the panel over the RS-485 interface;
- Monitoring zone states and indicating these states by its built-in indicators (20 LEDs);
- Sound signaling of zone alarms;
- Operating (arming and disarming) zones and partitions by means of the keypad, devices with iButton or Proximity card readers, as well as additional S2000-KS operating in the Keypad mode;
- Automatic control of the relay outputs of connected devices.

1.4 While operating in the Keypad mode, the S2000-KS is intended to be used as additional point to operate alarm loops of a system under a control console. Also the S2000-KS provides indicating states of zones transmitted by an S2000/S2000M panel by its built in LEDs and sound signaling of received alarms.

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

1.6 As to electromagnetic emission and resistance to industrial radio interference the panel meets the requirements of the second severity level in line with Russian Standards ГОСТ Р 50009-2000.

2 SPECIFICATIONS

2.1 The number of monitored alarm loops (in the Control Panel mode)	– 80
2.2 The number of controlled outputs in the auto mode	– 32
2.3 The number of outputs controlled by credentials (in the Control Panel mode)	– 16
2.4 The number of user credentials (in the Control Panel mode)	– 32
2.5 Event Log Capacity (in the Control Panel mode)	– 255
2.6 Indicators	– 24
2.7 Power Voltage Range	– 10.2 V to 28.4 V
2.8 Maximum Consumed Current:	
– At 12 V power voltage	– 100 mA
– At 24 V power voltage	– 50 mA
2.9 RS-485 Communication Line Length	– 4000 m max
2.10 Operating Temperatures	– (minus 30 to +50)°C
2.11 Ingress Protection Rating	– IP20
2.12 Panel Weight	– 0.1 kg max
2.13 Overall Dimensions	– 75x90x25 mm max
2.14 Average Lifetime	– 10 years min

2.15 The content of precious materials: no need to account for the storage, disposal and recycling.

Detailed description of functional capabilities, settings and configuration parameters, operation modes, specifications, and application features can be found in S2000-KS User's Manual.

The User's Manual and UProg Configuration Tool to program the panel can be download online at the company site http://bolid.ru in the section PRODUCTS at the page of S2000-KS.

3 STANDARD DELIVERY

3.1 Find the following unpacking the product:

1) S2000-KS Monitoring and Control Panel for Fire and Intrusion Alarm Systems – 1 pc.;
2) Datasheet with the acceptance certificate and the serial number of the panel – 1 pc.;
3) Installation Manual – 1 pc.;
4) Accessories:
   - Adhesive Label – 1 pc.;
   - Resistor C2-33H-0,25-620±Ohm 5% (or similar) – 1 pc.;
   - Woodscrews – 2 pcs.;
   - Wall plugs (for woodscrews 3x20) – 2 pcs.

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4 OPERATION DIRECTIVES

4.1 Mounting and programming the panel are carried out in accordance with its User's Manual and Installation Instruction.

4.2 There are no potential hazard circuits within the panel.

4.3 **Always DO SHUT OFF the panel's power supply prior to mounting, installing, and maintaining the panel.**

5 MAINTENANCE

Maintain the panel annually by doing the following:

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

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

– Test functionality of the panel in accordance with techniques discussed in S2000-KS User's Manual at the company site http://bolid.ru in the section PRODUCTS at the page of S2000-KS.

6 TRANSPORTATION AND STORAGE RULES

6.1 The panel should be transported packed in an individual or multipack box by any covered vehicles.

6.2 The panel should be transported in line with requirements of transport organizations.

6.3 The panel in the consumer packing must be stored in accordance with Storage Ambients 1 of Russian Standard ГОСТ 15150.

6.4 In the premises where the panel is stored there must not be any acid fumes, alkaline fumes and other aggressive gases and harmful impurities which can cause corrosion.

7 WARRANTY

7.1 The manufacturer warrants the panel to conform its technical specifications if the consumer meets the rules of transportation, storage, mounting, and operation.

7.2 The warranty period is 18 months since putting the panel into operation, but no more than 24 months since the acceptance date.

7.3 In case of difficulties in programming or operating the product, please contact Technical Support by calling +7 495 775-71-55 (multi-channel) or by emailing support@bolid.ru.

8 MANUFACTURER DATA

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.

9 CONFORMITY CERTIFICATES

9.1 Conformity Certificate № RU C-RU.ME61.B.01547 certifies that S2000-KS LED Monitoring and Control Panel for Fire and Alarm Systems meets the requirements of Technical Regulations of Custom Union TR CU 020/2011.

9.2 S2000-KS LED Monitoring and Control Panel for Fire and Alarm Systems is part of Orion alarm system which is approved by conformity certificate № BY/112 02.01. 033 00573.

9.3 S2000-KS LED Monitoring and Control Panel for Fire and Alarm Systems is approved by conformity certificates № BY/112 02.01. 033 00251 and № BY/112 03.11.023 01294.

9.4 Production of S2000-KS is certified according to ГОСТ ISO 9001-2011 by a conformity certificate No.РОСС RU.ИК32.К00153.

10 PRODUCT ACCEPTANCE CERTIFICATE

S2000-KS LED Monitoring and Control Panel for Fire and Intrusion Alarm Systems, 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

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