

S2000-4 FIRE / INTRUSION ALARM CONTROL UNIT

ICO 9001

OPERATIONS MANUAL



1 DESCRIPTION AND OPERATION

1.1 Purpose

1.1.1 S2000-4 Fire / Intrusion Alarm Control Unit (hereinafter referred to as the unit) is designed to be used under Sirius Fire Alarm Control Panel or S2000M Monitoring and Control Panel and their revisions as part of hardware in:

- Fire detection and fire alarm, fire protection systems as a part of a multicomponent fire alarm control panel,
- Intrusion and panic alarm systems as a control panel,
- Access control systems.

If operated standalone, the unit is to be used as an intrusion monitoring and control panel with access control functions.

1.1.2 The unit is intended for round-the-clock operation.

1.1.3 The unit is classed as a restorable and regularly maintainable item.

1.1.4 The design of the unit doesn't provide its operation in aggressive and / or dusty environments as well as in explosion hazardous and flammable premises.

1.2 Specifications

Table 1.2.1

Parameter	Value
1.2.1 Power inputs	2
1.2.2 Power input voltage, V	10.2 through 28.4 V dc
1.2.3 Consumed current, mA - at 12 V power voltage - at 24 V power voltage	260 max 140 max
1.2.4 Start-up time, s	3
1.2.5 Alarm Initiating Device Circuits	4
1.2.6 Dry contact outputs - Number - Maximum switched voltage, V - Maximum switched current, A - Maximum switched power, W	2 30 7 100
1.2.7 Outputs with load circuit fault monitoring - Number - Maximum switched voltage (matches to unit supply voltage), V - Maximum switched current, A	2 28 1
1.2.8 Connectable readers with Touch Memory (1-Wire), Wiegand, or ABA TRACK II interface	1
1.2.9 Credentials	4096 max
1.2.10 Enclosure protection degree as per GOST 14254-2015	IP40
1.2.11 Resistance to mechanical exposure as per OST 25 1099-83	Arrangement Category 3

Parameter	Value
1.2.12 Vibration exposure: - Frequency range, Hz - Max acceleration, g	1-35 0.5
1.2.13 Environmental category as per OST 25 1099-83	O3
1.2.14 Operating temperatures, °C	Minus 40 through +55
1.2.15 Weight, kg	0.3 max
1.2.16 Overall dimensions, mm	156×107×39
1.2.17 Non-stop operation	24/7
1.2.18 MTBF in the quiescent mode, at least, hours	80,000 min
1.2.19 Survival probability after 1,000 hours	0.98758
1.2.20 Expected lifetime	10 years

1.2.21 As to immunity to man-made radio disturbance, the unit meets the requirements for Test Severity Level III of the relevant standards listed in Appendix “B” to GOST R 53325-2012.

1.2.22 The unit passes the industrial interference standards prescribed for Class ‘B’ equipment as per GOST R 30805.22.

1.3 Scope of Delivery

The scope of delivery for the unit is shown in Table 1.3.1.

Table 1.3.1

Item	Quantity, pcs.
S2000-4 Fire / Intrusion Alarm Control Unit	1
Operations Manual	1
Resistor C2-33H-0.25-4.7 kOhm±5% (or similar)	4
Woodscrew 1-3×25.016 GOST 1144-80	3
Wall plug 6×30	3
DIN 7981 Tapping screw 2.9×9.5	2

2 INTENDED USE

2.1 The unit design meets the requirements of electric and fire safety including emergency operation in accordance with Russian standards GOST 12.2.007.0-75 and GOST 12.1.004-91.

2.2 Do SHUT OFF power from the unit before mounting, installing, and maintaining this one.

2.3 Operating restrictions, design, mounting, connecting, settings, testing and operation procedures for the unit are defined in details in its User’s Manual (the full version), which is available online at bolid.ru in the section Products on the page of S2000-4.

2.4 If a technical failure of the unit has been found, the equipment shall be taken out of operation and sent for repair in accordance with Section 4.



3 MAINTENANCE

3.1 The unit shall be maintained by persons qualified for electrical safety of Level III or higher.

3.2 Maintenance works for the unit are described in its User’s Manual (the full version).

4 REPAIR

4.1 Repair of the faulty unit is to be conducted by the manufacturer or in authorized repair centers. The unit shall be sent for repair in compliance with Company Standard QMS 8.5.3-2015, which can be found online at our website <https://bolid.ru/support/remont/>.



Warning!

The equipment shall be submitted for repair being assembled and clean and along with all the parts listed in the documentation.

Claims are accepted only if a reclamation report describing the failure is applied to the submitted equipment.

4.2 A unit fault resulted from consumer's not observing rules of mounting and operation is not a reason for claims and warranty repair.

4.3 Claims shall be submitted to the following address:

NVP BOLID, #4 Pionerskaya Str., Korolyov, Moscow Region, 141070, Russia

Phone: +7 (495) 775-71-55, E-mail: info@bolid.ru.

4.4 In case of any issue related to use of the product, please contact the technical support: +7 (495) 775-71-55 or e-mail: support@bolid.ru.

5 STORAGE

5.1 Storage in a transport container is permitted at ambient temperatures minus 50°C through plus 50°C and relative humidity up to 95% at plus 35°C.

5.2 Storage in the consumer package is allowed only in heated premises at temperatures plus 5°C through plus 40°C and relative humidity up to 80% at plus 20°C.

6 TRANSPORTING

6.1 The units can be transported in a transport container at ambient temperatures minus 50°C through plus 50°C and relative humidity up to 95% at plus 35°C.

7 DISPOSAL

7.1 The unit should be disposed of considering that there are no toxic components in it.

7.2 The content of precious materials: doesn't require accountability for storage, retirement, and disposal (Clause 1.2 of GOST 2.608-78).

7.3 The content of non-ferrous metals: does not require accountability for retirement and further disposal of the unit.

8 MANUFACTURER WARRANTY

8.1 The manufacturer guaranties the unit meets with technical requirements if the user follows the instructions for transportation, storage, installation, and usage.

8.2 The warranty period is 18 months since putting the product into operation but no more than 24 months from the manufacturer's date of production.

9 CERTIFICATION INFORMATION

For unit certification details, please refer to its User's Manual (the full version).

10 ACCEPTANCE AND PACKING CERTIFICATE

S2000-4 Fire / Intrusion Alarm Control Unit, Factory No. _____, is manufactured, accepted in line with mandatory requirements of national standards and applicable technical documentation, approved as ready for use, and packed by the NVP Bolid Company.

Responsible for Acceptance and Packing

QCD _____
Full Name

Date, Month, Year

