

S2000-KPB EXECUTIVE UNIT

ICO 9001

OPERATIONS MANUAL



1 DESCRIPTION AND OPERATION

1.1 Purpose

1.1.1 S2000-KPB Executive Unit (hereinafter referred to as the unit) is intended for:

- Operating control appliances (light and sound fire alarm indicating appliances etc.) and automatic fire-fighting equipment in notification and smoke removal systems;
- Operating fire extinguishing modules and automatic fire-fighting equipment in water extinguishing systems, foam extinguishing systems, clean agent extinguishing systems, dry chemical powder extinguishing systems, and aerosol fire extinguishing systems;
- Generating signals to control engineering equipment, process signaling equipment, and other devices involved in fire safety providing;
- Operating other appliances (light and sound alarms, video cameras, electromagnetic locks and so on) in intrusion alarm systems, panic alarm systems, auxiliary alarm systems, and access control systems;
- Monitoring two process signaling inputs.

It is used as a component of modular control and indicating equipment under S2000M Monitoring and Control Panel or Sirius Fire Alarm Control Panel and their revisions.

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 dc	10.2 through 28.4
1.2.3 Consumed current, mA, max	100
1.2.4 Start-up time, s	3
1.2.5 Outputs	6
1.2.6 Commuting voltage, V (from the unit power supply)	10.2 ÷ 28.4
1.2.7 Output switched current, A	0.005 ÷ 2.5
1.2.8 Circuit fault monitoring current, mA, max	1.5
1.2.9 Maximum total unit switched current, A, max	6
1.2.10 Inputs	2
1.2.11 Resistance of initiating device circuit wires without regard to termination resistor), Ohm, max	100
1.2.12 Resistance of leakage between initiating device circuit wires or between each wire and the earth, kOhm, at least	50
1.2.13 Enclosure protection degree as per GOST 14254-2015	IP40
1.2.14 Resistance to mechanical exposure as per OST 25 1099-83	Arrangement Category III

Parameter	Value
1.2.15 Vibration exposure: - Frequency range, Hz - Max acceleration, g	1-35 (for Category 3) 0.5 (for Category 3)
1.2.16 Environmental category as per OST 25 1099-83	O3
1.2.17 Operating temperatures, °C	Minus 30 through + 55
1.2.18 Weight, kg, max	0.3
1.2.19 Overall dimensions, mm	156×107×39
1.2.20 Non-stop operation	24/7
1.2.21 MTBF in the quiescent mode, hours, at least	80,000
1.2.22 Survival probability after 1000 hours	0.98758
1.2.23 Expected lifetime, years	10

1.2.24 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.

1.2.25 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	Q-ty, pcs.
S2000-KPB Executive Unit	1
S2000-KPB Executive Unit Operations Manual	1
MPN Load Connection Module AUJIP.425941.001	6
Tapping Screw 2.9×9.5 C DIN 7981	2
Woodscrew 1-3×25.016 GOST 1144-80	3
Wall plug 6×30	3
Packaging	1

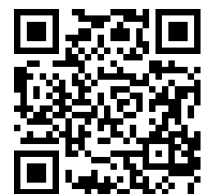
2 INTENDED USE

2.1 The design of the unit 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-KPB Release Unit.

2.4 If a technical failure of the product 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 II 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 faulty equipment is to be conducted by the manufacturer or in authorized repair centers. The product 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 An equipment 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 55°C and relative humidity up to 95% at plus 35°C.

5.2 Storage in the consumer package is permitted 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 through plus 55°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.

8 MANUFACTURER WARRANTY

8.1 The manufacturer guaranties the product meets with technical requirements stated in the manuals 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 PACKAGING CERTIFICATE

S2000-KPB Release Module, 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

