

1 DESCRIPTION AND OPERATION

1.1 Product Purpose

1.1.1 S2000-BKI Control Button and Indicator Module (hereinafter referred to as the module) is designed to operate under one of such network controllers as S2000M Monitoring and Control Panel for Fire and Intrusion Alarm Systems, Sirius Fire Alarm Control Panel, or their modifications as a modular component of a:

- Control and indicating equipment for fire / intruder alarm systems;
- Fire protection equipment control.

The network controller is allowed to be a personal computer with installed Orion Pro Software Suite. In this case the module is intended to be used as a component of control and indicating intrusion alarm equipment.

1.1.2 The module is designed to provide:

- Light and sound indication of conditions of fire and intrusion alarm partitions as well as conditions of actuators and control appliances of fire protection equipment;
- Operating (arming / disarming) fire and intrusion alarm partitions remotely;
- Operating actuators and control appliances of fire protection equipment remotely.

1.1.3 Access to system controls is performed by means of the built-in iButton reader.

1.1.4 By the capability of expanding functionality or quantitative aspects, the module is classed as a non-expandable product.

1.1.5 The module provides a capability of using means of computer facilities for monitoring and programming.

1.1.6 The module is classed as a reparable, recoverable, monitorable, regularly maintainable, and multifunctional product.

1.1.7 The module is intended for round-the-clock operation.

1.1.8 The module’s design doesn’t imply operating it in aggressive and dusty environments or in ex-hazardous premises.

1.2 Specifications

Table 1.2.1

Parameter	Value
1.2.1 DC power voltage, V	10.2 ... 28.4
1.2.2 Max current consumption, mA: - in the quiescent mode (all the LEDs are off, at input power 12V/24V) - in the alarm mode (input power 12V) - in the alarm mode (input power 24V)	50 200 100
1.2.3 Power inputs	2
1.2.4 Max Start-up Time, s	5
1.2.5 Number of Partitions (discharge zones)	60
1.2.6 Enclosure protection degree as per GOST 14254-2015	IP20
1.2.7 Environmental category as per OST 25 1099-83	O3
1.2.8 Operating temperature, °C	-30 ... +50
1.2.9 Max relative humidity, % (at +40 °C)	93
1.2.10 Resistance to mechanical exposure as per OST 25 1099-83	Arrangement Category III

Parameter	Value
1.2.11 Vibration exposure: - Frequency range, Hz - Max acceleration, g	1 ... 35 0.5
1.2.12 Overall dimensions, mm	340 × 170 × 27
1.2.13 Weight, kg	0.6
1.2.14 Min electrical insulation resistance of the circuits (at normal conditions as defined in GOST 52931 2008), mega ohms	20
1.2.15 MTBF, hours	40,000
1.2.16 Survival probability	0.98758
1.2.17 Expected service life, years	10
1.2.18 Mean recovery time (without regard to delivering spare parts) doesn't exceed, min	30

1.2.19 In terms of immunity to electromagnetic interference, the module meets the requirements of Test Severity Level III as per the relevant standards listed in Appendix 'B' to GOST R 53325-2012.

1.2.20 The module passes the industrial interference standards prescribed for Class 'B' equipment as per GOST R 30805.22.

1.3 Scope of Delivery

Table 1.3.1 presents the delivery scope for the module.

Table 1.3.1

Item	Q-ty, pcs.
S2000-BKI Control Button and Indicator Module	1
Accessory Kit:	
Woodscrew 1-3x25.016 GOST 1144-80	3
Wall plug 6x30	3
Packaging	1
Documentation:	
S2000-BKI Operations Manual	1

2 INTENDED USE

2.1 The design of the module meets the requirements of fire and electrical safety including operation in emergency in accordance with GOST 12.2.007.0-75 and xGOST 12.1.004-91.

2.2 Do shut off the mains power from the device before mounting, installing, and maintaining this one.

2.3 Operating restrictions, design, mounting, connecting, settings, testing and operation procedures for the module 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-BKI and in the mobile app 'Mobile Product Catalogue' <https://bolid.ru/support/mobile-catalogue/>.



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 module should be maintained by persons qualified for Electrical Safety of Level II or higher.

3.2 The maintenance procedures to be performed are described in S2000-BKI User's Manual (the full version, please see Section 2.3).

4 REPAIR

4.1 Repair of faulty equipment is to be performed by the manufacturer or in authorized repair centers. The equipment 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/>.



Attention!

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 problem is applied to the submitted equipment.

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

4.3 Claims should be submitted to the following address:

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

Phone/fax: +7 (495) 775-71-55 (PBX). 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

The module in the consumer package shall be stored as per Storage Conditions 1 in line with GOST 15150-69.

In the premises where the module is stored, there shall be no vapors of acids, alkalis, aggressive gases, and other harmful substances which results in corrosion.

6 TRANSPORTING

The modules can be transported in a transport package at ambient temperatures -50 through +50 °C and relative humidity up to 95 % at +35 °C.

If transported under negative ambient temperatures or high air humidity, then before installing the modules shall be kept unpacked for at least 24 hours in a room with normal climatic conditions.

7 DISPOSAL

The module is to be disposed of considering that there are no toxic components in it.

The content of precious materials: does not require accountability for storage, retirement and disposal (Clause 1.2 of GOST 2.608-78).

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

8 MANUFACTURER WARRANTY

The manufacturer guaranties the module meets with technical requirements stated in the manuals if the user follows the instructions for transportation, storage, installation, and usage.

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.

While submitting the product for repair, please always apply a report describing the possible failure to it.

9 CERTIFICATES INFORMATION

For certificates information, please refer to S2000-BKI User's Manual (the full version, please see Section 2.3).

10 ACCEPTANCE AND PACKAGING CERTIFICATE

S2000-BKI Control Button and Indicator Module, Factory No. _____ is manufactured, accepted in line with mandatory requirements of national standards and applicable technical documentation, approved as ready for use, and packaged by the Bolid Company.

Responsible for acceptance and packaging

QCD _____
Name

Date/Month/Year

