ADDRESSABLE LED EMERGENCY SIGN BOARD S2000-OST

ИСО 9001

INSTRUCTION MANUAL



	INSTRUCTION WAIN	UAL	
mod. 00 "FIRE"	mod. 04 "GAS KEEP O	OUT"	mod. 08 Arrow Right Sign
mod. 01 "EXIT"	mod. 05 "POWDER ES	CAPE"	mod. 09 Man / Arrow Left Down
mod. 02 "AUTO OFF"	mod. 06 "POWDER KE	EEP OUT"	mod. 10 Man / Arrow Right Down
mod. 03 "GAS ESCAPE"	mod. 07 Arrow Left Sig	n [mod. 11 "ESCAPE EXIT"
1.1 General	1 TECHNICAL DA	ATA	
messages of fire alarm systems, to identify The S2000-OST operates under a polli 1.15 and higher) (hereinafter referred to DPLS_v2.00 Multiplex Addressable Pollin from the control circuit of the polling loc immunity level accordingly to Russian stan	escape routes and to display informs loop controller S2000-KDL (or as KDL) as part of an Orion g Loop Protocol. A part of the lipp. Electromagnetic compatibility dards. The version of S2000-OST to following signs: "EXIT", "FIRE OUT", Arrow Left Sign, Arrow	rmation. of version 2.15 and integrated secund ghting circuit with your of the S2000-C firmware is v.1. E", "AUTO OFF" Right Sign, Mar	h a power supply is galvanically isolated OST meets the requirements of the third .00. ', "GAS ESCAPE", "GAS KEEP OUT"
 1.2 Specifications 1) Ingress Protection Rating 2) Climatic Category (Russian Industry 3) Polling Loop Voltage 4) Current Consumed from the Polling 5) Lighting Circuit Power Voltage 6) Current Consumed from Lighting Polling 12 V 24 V 7) Galvanic Isolation between the PL at 8) Operating Temperatures 9) Relative Humidity 10)Transportation and Storage Temperation 11) Overall Dimensions 12) Weight 13) The content of precious materials: 	Loop ower Supply and Lighting Circuit	- 240 gram	x x 7 C to +55°C at +40°C
1.3 Standard DeliveryS2000-OST LED Sign BoardInstruction Manual	- 1 pc.; - 1 pc.;		

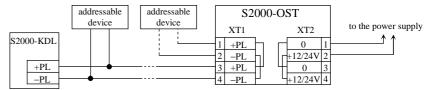
- S2000-OST LED Sign Board - 1 pc.;
- Instruction Manual - 1 pc.;
- Woodscrew 3×25 - 2 pcs.;
- Wall Plug (for 3x25 woodscrew) - 2 pcs.;
- Wall Plug (for 4x40 woodscrew) - 2 pcs.;
- Packing - 1 pc.

2 OPERATION DIRECTIVES

2.1 External Connection Diagram and Mounting

The figure shows the typical connection diagram for the S2000-OST. The S2000-OST is designed to operate within premises. The power supply for lighting circuit must be battery backed.

The S2000-OST operates under a KDL and all operation conditions (a control program, activation time, activation delay) are defined in the KDL



configuration by means of UProg. To use the S2000-OST, the relevant addressable device type for the S2000-OST address must be selected by means of UProg and, if necessary, the relevant links between inputs and outputs of the KDL must be defined. To get more information about addressable device types and configuration parameters, please refer to user's manuals for KDL, S2000M, and Orion Pro software.

2.2 Auxiliary LED Performance

There is an auxiliary green LED on the PCB which indicates the S2000-OST status as shown in table below.

Flashes once per four seconds	Norm
Flashes four times once per four seconds	The S2000-OST is being programmed with an address
	The S2000-OST is waiting for establishing communication with the KDL.
Solid light	A proper combination of presses on the button to change address has been
	performed
Others	Trouble

2.3 Assigning an Address

The S2000-OST stores its polling loop address in its non-volatile memory. The factory value of the loop address of the S2000-OST is 127. To assign a new polling loop address to the S2000-OST, one of the following commands should be given to the KDL from the S2000M panel or PC:

- Program Device with Address;
- Change Device Address.

The command Program Device with Address provides assigning a polling loop address to an S2000-OST without regards to which address is assigned to it at the time. It can be required when the same address is assigned to two or more addressable devices. Give a command for assigning the specific address from the S2000M panel or PC. Then within no more than 5 minutes perform on the S2000-OST PCB a combination of three long presses (between 1 s and 3 s) and one short press (less than 0.5 s) on the button – (long-long-long-short). In this case the panel or PC displays events about missing the device with an old address and connecting the device with the new address. If several devices had the same address before assigning then no messages about missing devices with the old address is displayed.

If it is necessary to change address of a device which address is known then the Change Device Address command should be selected. Give a command to change address specifying the old and new addresses as parameters from the S2000M panel or PC. The panel or PC shall display events of loss of communication with the device with the old address and connecting the device with the given address.

2.4 Testing

- 2.4.1 Before testing notify the proper authorities that the equipment is undergoing maintenance and will be temporarily out of service. Disconnect all outputs of control devices and executive modules that can run an automated fire-fighting system.
- 2.4.2 Apply power to the KDL and to the S2000M panel or PC. Remove the front cover from the S2000-OST and ensure the auxiliary LED on the PCB shows solid light. When communication with the KDL has been established the auxiliary LED starts flashing once per four seconds indicating normal conditions.
- 2.4.3 Simplified testing is carried out by pressing on the button on the S2000-OST PCB three times for a short time (shorter than 0.5 s) and then for a longer time (between 1 s and 3 s) (short-short-long). After that the auxiliary LED shall flash 10 times.
- 2.4.4 Then test operation of the S2000-OST as part of the system by giving the S2000-OST output control commands. The system shall integrate an S2000M control panel or a PC with Orion Pro software installed and a KDL polling loop controller.
- 2.4.5 When testing has been completed ensure that the S2000-OST is ready for operation. Restore all binds between system executive outputs and automated fire-fighting systems and notify the proper authorities that the system is back in operation.

When testing, please be sure all the equipment is known to be operable.

3 MANUFACTURER DATA

The Bolid Company, Russia

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Tel./fax: +7 (495) 775-71-55 (multi-channel), +7 (495) 777-40-20, +7 (495) 516-93-72 E-mail: info@bolid.ru; Technical Support: support@bolid.ru; http://bolid.ru

4 CERTIFICATES

- 4.1 S2000-OST Addressable LED Emergency Sign Board is approved by Conformity Certificate No. C-RU. 4.1 S2000-OST Addressable LED Emergency Sign Board is approved by Conformity Certificate No. C-RU. 4.1 S2000-OST Addressable LED Emergency Sign Board is approved by Conformity Certificate No. C-RU. 4.1 S2000-OST Addressable LED Emergency Sign Board is approved by Conformity Certificate No. C-RU. 4.1 S2000-OST Addressable LED Emergency Sign Board is approved by Conformity Certificate No. C-RU. 4.1 S2000-OST Addressable LED Emergency Sign Board is approved by Conformity Certificate No. C-RU. 4.1 S2000-OST Addressable LED Emergency Sign Board is approved by Conformity Certificate No. C-RU. 4.1 S2000-OST Addressable LED Emergency Sign Board is approved by Conformity Certificate No. C-RU. 4.1 S2000-OST Addressable LED Emergency Sign Board is approved by Conformity Certificate No. C-RU. 4.1 S2000-OST Addressable LED Emergency Sign Board is approved by Conformity Certificate No. C-RU. 4.1 S2000-OST Addressable LED Emergency Sign Board is approved by Conformity Certificate No. C-RU. 4.1 S2000-OST Addressable LED Emergency Sign Board is approved by Conformity Certificate No. C-RU. 4.1 S2000-OST Addressable LED Emergency Sign Board is approved by Conformity Certificate No. C-RU. 4.1 S2000-OST Addressable LED Emergency Sign Board is approved by Conformity Certificate No. C-RU. 4.1 S2000-OST Addressable LED Emergency Sign Board is approximate the Conformity Sign Board is approximate the Conformity Sign Board is approximate Sign Board is appr
- 4.2 Conformity Certificate TC № RU Д-RU.ME61.B.00610 certifies that S2000-OST Addressable LED Emergency Sign Board meets the requirements of Technical Regulations of Custom Union TR CU 020/2011.
- 4.3 Production of S2000-OST Addressable LED Emergency Sign Board is certified according to ΓΟCT ISO 9001-2011 by a conformity certificate No.POCC RU.ИК32.Κ00153.

5 PRODUCT ACCEPTANCE CERTIFICATE

The S2000-OST Addressable LED Emergency Sign Board (marked with its serial number on its case) is qualified as proper for operation and is packaged by CJSC NVP "Bolid".

Responsible for acceptance and packaging

QCD		
	Full Name	Date, Month, Year

