

MANUAL CALL POINT IPR 513-3M

ICO 9001

OPERATIONS MANUAL



1. DESCRIPTION AND OPERATION

1.1. Product Purpose

1.1.1 IPR 513-3M Manual Call Point (hereinafter referred to as the MCP) is to be used in fire detection and fire alarm systems for manual activation of fire alarm signals.

1.1.2 The MCP is powered via an alarm loop of a control and indicating unit S2000-4, Signal-20P, S2000-ASPT, Signal-10, control and indicating equipment Signal-20M or similar which provides loop voltage up to 30 V and limits the current in a loop at a level not exceeding 25 mA.

1.1.3 The MCP is intended for round-the-clock operation.

1.1.4 The MCP is classified as a repairable and periodically maintained item.

1.1.5 The design of the MCP doesn't provide its operating in aggressive and dusty environments or in ex-hazardous premises.

1.2. Specifications

Table 1.2.1

Parameter	Value
1.2.1 Max power supply voltage, V	30
1.2.2 Rated power supply voltage, V	24
1.2.3 Max current consumption in the quiescent mode, uA	50
1.2.4 Max switching current, mA	25
1.2.5 Maximum active resistance of alarm loop wires, Ohm	100
1.2.6 Minimum insulation resistance between alarm loop wires, kOhm	50
1.2.7 Enclosure protection degree as per GOST 14254-2015	IP40
1.2.8 Resistance to mechanical exposure as per OST 25 1099-83	Arrangement Category III
1.2.9 Vibration exposure: - Frequency range, Hz - Max acceleration	1-35; 0.5g;
1.2.10 Environment category as per OST 25 1099-83	O3
1.2.11 Operating temperatures, °C	Minus 30 to + 55
1.2.12 Relative humidity, %, at +40°C	Up to 93
1.2.13 Weight, kg, max	0.15
1.2.14 Overall dimensions, mm, max	95 × 91 × 34
1.2.15 Non-stop operation	24/7
1.2.16 MTBF in the quiescent mode, hours, at least	80,000
1.2.17 Survival probability after 1,000 hours	0.98758
1.2.18 Expected lifetime, years	10

1.2.19 As to immunity to electromagnetic interference, the IPR 513-3M meets the requirements of Test Severity Level III as per the relevant standards listed in Annex 'B' to GOST R 53325-2012.

1.2.20 The IPR 513-3M passes the industrial interference standards prescribed for Class 'B' equipment per GOST R 30805.22.

1.3. Scope of Delivery

Table 1.3.1 represents the content of MCP standard delivery.

Table 1.3.1

Item	Quantity, pcs.
IPR 513-3M Manual Call Point	10
Operations Manual	1
Special housing key	10
Screw 1-4×30.20.019 GOST 1144-80	20
Wall plug 8×30	20

2 USAGE

2.1 The MCP design meets the requirements of fire and electric 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 MCP before mounting, installing, and / or maintaining this one.

2.3 Operating restrictions, design, mounting, connecting, settings, testing and operation procedures for the MCP are defined in its User's Manual (the full version), which is available online at bolid.ru in the section PRODUCTS on the page of IPR 513-3M.

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



3 MAINTENANCE

3.1 The MCP should be maintained by personnel qualified for the Electrical Safety of Level II or higher.

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

4 REPAIR

4.1 Repair of defective equipment is to be performed by the manufacturer or in authorized repair centers. The MCP should 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 failure is applied to the submitted equipment.

4.2 An equipment failure 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 In a transport container the MCP can be stored at ambient temperatures minus 50°C through plus 50°C and relative humidity up to 95% at plus 35°C.

5.2 In the consumer package the MCP can be stored only in heated premises at ambient temperatures plus 5°C through plus 40°C and relative humidity up to 80% at plus 20°C.

6 TRANSPORTING

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

7 DISPOSAL

7.1 The MCP is to 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 (Para 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 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 certification details, please see IPR 513-3M User's Manual (the full version).

10 ACCEPTANCE AND PACKAGING CERTIFICATE

IPR 513-3M Manual Call Points (serial numbers are located on labels inside their housings) are 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

