

RESETTABLE MANUAL CALL POINT IPR 513-3M



ICO 9001

INSTRUCTION MANUAL

1 TECHNICAL DATA

1.1 General

IPR 513-3M Resettable Manual Call Point (hereinafter referred to as the call point or the IPR 513-3M) is designed to be used in fire alarm systems and fixed fire-fighting systems to manually release fire alarms or activate the system respectively.

The IPR 513-3M is to be powered through an alarm loop of such control and indicating equipment (hereinafter referred to as the CIE) as S2000-4, Signal-20P, S2000-ASPT, Signal-10, Signal-20M or similar that provides a voltage up to 30 V within the alarm loop and limits the current in the loop up to the level of 25 mA.

The flip transparent protective cover of the IPR 513-3M can be sealed with an intact control seal.

The manual call point is intended for round-the-clock operation and classified as a repairable and periodically maintained item.

1.2 Specifications

- | | |
|--|-----------------------|
| 1) Commuted Voltage | - 30 V max |
| 2) Commuted Current | - 25 mA max |
| 3) Current Consumed in Quiescent Mode | - 50 uA max |
| 4) Ingress Protection Rating | - IP40 |
| 5) Operating Temperatures | - Minus 30°C to +55°C |
| 6) Relative Humidity | - Up to 93% at +40°C |
| 7) Transportation / Storage Temperatures | - Minus 30°C to +55°C |
| 8) Overall Dimensions | - 95 × 91 × 34 mm |
| 9) Weight | 0.15 kg max |

1.3 Scope of Delivery

- | | |
|--|------------|
| For a <i>group</i> delivery: | |
| - IPR 513-3M | - 10 pcs.; |
| - Instruction Manual | - 1 copy; |
| - Special Housing Key | - 10 pcs.; |
| - Woodscrew 1-4×30.20.019 GOST 1144-80 | - 20 pcs.; |
| - Wall Plug 8×30 | - 20 pcs.; |
| - Unit Package | - 10 pcs. |
| - Group Package | - 1 pc. |

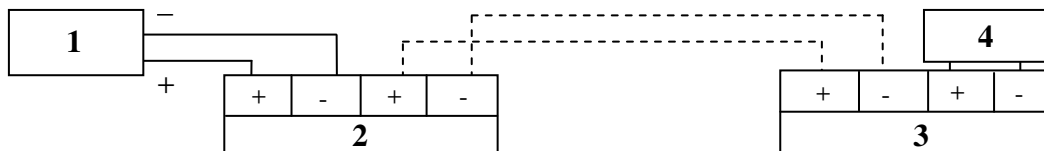
10) The content of precious materials: doesn't require accountability for storage, retirement, and disposal.

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

2 OPERATION INSTRUCTIONS

2.1 Wiring

Figure 1 shows a typical diagram for connecting IPR 513-3M. While connecting a manual call point to a CIE, please be guided by the user's manual for the CIE in use and the diagram for connecting the manual call points to this CIE.



- 1 – Control and indicating equipment (CIE),
- 2, 3 – IPR 513-3M manual call points,
- 4 – An end-of-line device (resistor, diode, etc.)

Figure 1

The quiescent mode of the IPR 513-3M is indicated by single flashing of its built-in LED once per 4 seconds.

Once the manual call point is activated, its LED starts showing solid light confirming that the CIE has received the signal from the IPR 513-3M. In this process the IPR 513-3M decreases its internal resistance down to a value that does not exceed 500 Ohm.

2.2 Mounting

The IPR 513-3M is to be mounted using the two screws provided to a flat vertical surface in line with Buildings Codes and Regulations.

The wires which pass under the IPR 513-3M should not be clamped by the IPR 513-3M housing.

Figure 2 shows the view of the IPR 513-3M (without the protective flip cover):

- 1: Hole to insert the housing key to reinstate the activated call point;
- 2: Holes to insert the housing key to release the front part of the call point housing;
- 3: The housing key to reset activated IPR 513-3M / to open its housing;
- 4: Place to apply an intact control seal.

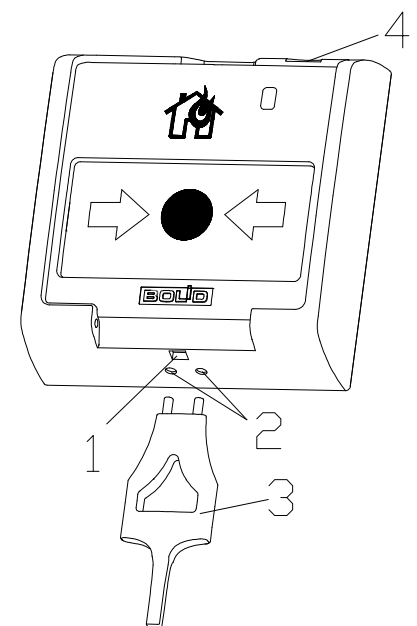


Figure 2

2.3 Testing

2.3.1. For the period of testing, please disconnect executive outputs of CIE and appliances that control the fixed fire suppression system. Notify the proper authorities that the system is undergoing maintenance.

2.3.2. By means of the network controller arm the CIE input the manual call point is connected to.

2.3.3. Activate the manual call point by pressing the operating element. The IPR 513-3M shall enter the Fire2 Alarm condition: observe LED's showing solid light and network controller's displaying the Fire2 Alarm message from the input the call point is connected to.

2.3.4. Reposition the operating element to the quiescent mode by inserting the housing key. Ensure the call point LED starts flashing once per 4 s. Then, with the help of the network controller issue a command to reset the alarm on the CIE input the call point is connected to. If no Fire2 Alarm message is registered by the network controller or the call point's LED operates in a way which differs from the one stated in this manual, the manual call point is unhealthy and should be replaced.

2.3.5. Perform steps 2.3.2 – 2.3.4 at least triply.

2.3.6. When testing is completed, make sure that the manual call point is ready for normal operation. Reconnect control and indicating equipment and control appliances with fixed fire suppression equipment and notify the proper authorities that the system is back in normal operation.

Test the operability of the manual call point at least once per three months.

All the equipment used in testing must be known functioning!

3 MAINTENANCE

The manual call point shall be maintained throughout a year by specialists whose electrical safety level is not lower than 3rd and as per the schedule presented below.

	Quarter I	Quarter II	Quarter III	Quarter IV
Checking conditions of the call point housing, ensuring that the manual call point is fastened properly and its connecting wires and contact joints are in good conditions				✓
Removing dust, debris, and corrosion from the contact joints and housing				✓
Testing operability of the manual call point in line with instructions of Section 2.3 of this manual	✓	✓	✓	✓

4 MANUFACTURER'S WARRANTY

4.1. The expected lifetime of the IPR 513-3M is 10 years.

4.2. 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.

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

4.4. For warranty return of the product, a reclamation report describing the failure shall be applied to it.

Claims shall be submitted to the following address:

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

Tel./fax: +7 (495) 775-71-55 (PBX), 777-40-20, 516-93-72.

E-mail: info@bolid.ru, Technical Support: support@bolid.ru, <https://bolid.ru>.

5 CERTIFICATION INFORMATION

5.1 IPR 513-3M meets the requirements of "Technical Regulations on Fire Safety Requirements" (Federal Law No.123-FZ of July 22, 2008) and is covered by Conformity Certificate No. C-RU.4C13.B.00845.

5.2 IPR 513-3M meets the requirements of Technical Regulations of Custom Union TR CU 020/2011 "Electromagnetic Compatibility of Technical Equipment" and is covered by Conformity Declaration EAЭC № RU Д-RU.HP15.B.06593/20.

5.3 IPR 513-3M meets the requirements of Technical Regulations TR EAEU 037/2016 "On the restriction of the use of hazardous substances in electronic and radio electronic equipment" and is covered by Conformity Declaration EAЭC № RU Д-RU.PA01.B.82301/19.

5.4 The production of IPR 513-3M is awarded with Conformity Certificate GOST R ISO 9001. The Certificate is available on the website <https://bolid.ru> in the section ABOUT.

6 ACCEPTANCE AND PACKAGING CERTIFICATE

IPR 513-3M resettable manual call points (serial numbers are located on labels inside their housings) are 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