

USB-to-RS-232 INTERFACE CONVERTER

USB-RS232

ICO 9001

OPERATIONS MANUAL



1 Description and Operation

1.1 Intended Purpose

1.1.1 USB-to-RS-232 interface converter USB-RS232 is designed to convert USB interface signals to the RS-232 standard providing galvanic isolation.

1.1.2 The product can be applied for converting interfaces to set up fire and intrusion alarm systems, access control systems, CCTV systems, fixed fire suppression systems as well as to arrange building automation systems.

1.1.3 The USB-RS232 interface converter is powered via a USB port of the PC.

1.1.4 The USB-RS232 interface converter is to be operated by such systems as Windows 2000, XP, Server 2003, Vista, Server 2008, Windows 7, Server 2008 R2, Windows 8 (x86/x64), Windows 10 representing a virtual COM port.

1.1.5 The USB-RS232 interface converter is intended for round-the-clock operation.

1.1.6 The USB-RS232 interface converter is classified as a serviceable and recoverable item.

1.1.7 The design of the USB-RS232 interface converter doesn't provide operating in aggressive and dusty environments or in ex-hazardous premises.

1.2 Specifications

No.	Parameter	Value
1.2.1	Power voltage, V	+5 (USB port of a PC)
1.2.2	Current consumed in the quiescent mode, mA	200 max
1.2.3	Operating temperature range, °C	Minus 30 to +50
1.2.4	Relative humidity, %	Up to 95 at +40°C
1.2.5	Enclosure protection degree	IP20
1.2.6	RFI caused by the USB-RS232 as per GOST R 50009-2000	Not exceed
1.2.7	Weight, kg	0.011 max
1.2.8	Overall dimensions, mm	19×67×11 max
1.2.9	Baud Rates, bit/s	110, 300, 1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200
1.2.10	Non-stop operation	Round-the-clock
1.2.11	MTBF in the quiescent mode, hours	80,000
1.2.12	Survival probability	0.98758
1.2.13	Expected lifetime, years	10 min

1.2.14 The interface converter passes the man-made radio disturbance standards prescribed for Class 'B' equipment as per GOST R 51318.22.

1.2.15 As to immunity to man-made radio disturbance, the product meets the requirements for Test Severity Level III as per GOST R 50009.

1.3 Scope of Delivery

Item	Quantity, pcs.
USB-RS232 Interface Converter	1
Operations Manual	1
Individual package	1

2 Usage

2.1 The full description of interface converter operation and instructions for connecting, programming, and testing of its functionality and operability can be found in its User's Manual, which is available online at the website bolid.ru in the section PRODUCTS on the page of USB-RS232.

2.2 The view and overall dimensions of the USB-RS232 interface converter are presented in Figure 2.1.

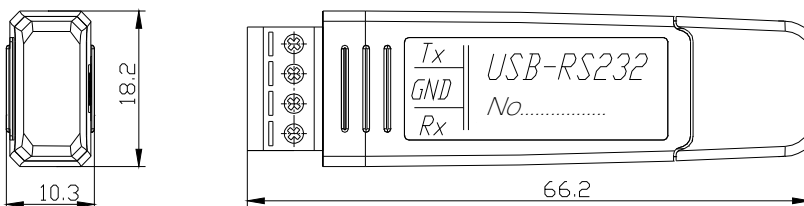


Figure 2.1 Overall Dimensions of USB-RS232

2.3 The USB-RS232 interface converter is to be connected to an S2000M panel as shown in Figure 2.2.

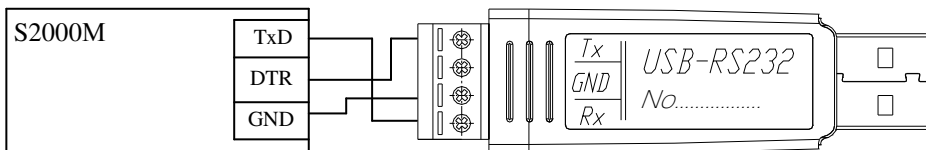


Figure 2.2 How to Connect USB-RS232 to an S2000M Panel

3 Maintenance

3.1 The product shall be maintained by personnel qualified for the Accident Prevention of Level II or higher.

3.2 The product is to be maintained according to a planned preventive strategy which provides annual scheduled maintenance. Maintenance works for the interface converter are described in its User's Manual, which is available online at the website bolid.ru in the section PRODUCTS on the page of USB-RS232.

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 line with established procedures.

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.

Tel./fax: +7 (495) 775-71-55 (PBX). E-mail: info@bolid.ru.



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.

4.4 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 equipment can be stored at ambient temperatures -50°C through +50°C and relative humidity up to 95% at +35°C.

5.2 In the consumer package the equipment shall be stored only in heated premises at temperatures +5°C through +40°C and relative humidity up to 80% at +20°C.

6 Transporting

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

7 Disposal

7.1 The product can 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

9.1 The USB-RS232 interface converter meets the requirements of the Technical Regulations TR CU 020/2011 and is covered by Conformity Certificate RU C-RU.ME61.B.01641.

9.2 The USB-RS232 interface converter is covered by the certificates of conformity of transport safety technical arrangements with requirements for their functional properties No. МБД ПФ.03.000036, No. МБД ПФ.03.000037.

9.3 The USB-RS232 interface converter is comprised in Rupor Voice Alarm System, which meets the requirements for functional properties of public notification technical means and is covered by the conformity certificate No.C-RU.08ГО.В.00001.

9.4 The production of USB-RS232 is awarded with Conformity Certificate GOST R ISO 9001. The Certificate is available on the website <https://bolid.ru> in the section ABOUT.

10 Acceptance and Packaging Certificate

10.1 USB-to-RS-232 interface converter USB-RS232, Factory No. _____, is manufactured and accepted under mandatory requirements of national standards and actual technical documentation, approved as ready for use, and packaged by the Bolid Company.

10.2 The marking on the interface converter shall comply with the design package and Russian GOST 26828-86.

Responsible for acceptance and packaging

QCD _____
Name

Date/Month/Year

