

CZAKI THERMO-PRODUCT

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USB - RS232 INTERFACE

IF232U

USER MANUAL

1. Application and construction

The IF232U interface is used to connect devices equipped with an RS232 port to a computer with a USB port and installed Windows®.

The electronic system is placed in a plastic housing equipped with a USB-B socket on one side and a detachable terminal for connecting the RS232 cable on the other. The interface is powered from a USB port and provides galvanic separation computer - RS232 device. Two-way data transmission is signaled by lighting of appropriate LEDs: RxD (green) - the computer is receiving, TxD (yellow) - the computer is transmitting.

2. Software installation

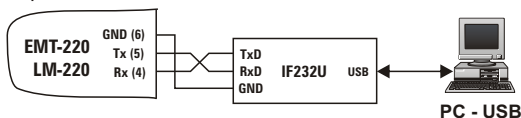
For interface communication with the computer, it is necessary to install its drivers. Together with the installation instructions they are on the enclosed CD.

This installation will cause that after connecting the interface to the computer will be available an additional virtual serial port.

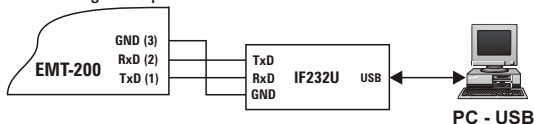
The current version of the drivers can also be downloaded from www.czaki.pl from IF-232U product page.

3. Connection diagrams to devices

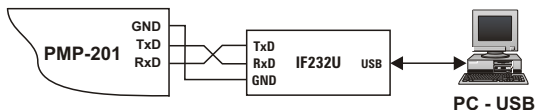
3.1. Connecting a temperature meter EMT-220-RS-232 and process monitor LM-220-RS-232



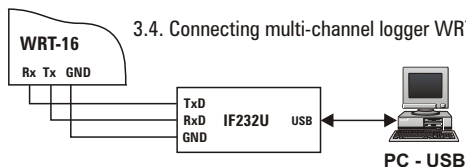
3.2. Connecting a temperature meter EMT-200



3.3. Connecting multi-channel switch PMP-201 / 232



3.4. Connecting multi-channel logger WRT-16 / 232



4. Technical data

• Computer side connector	USB-B socket
• Computer signal standard	USB1.1, USB2.0
• Supply current	ca. 25 mA
• Galvanic insulation between connectors	500 V AC
• Length of USB A4-B4 cable in set	1,8 ... 2,0 m
• RS-232 standard	TIA/EIA-232-AF, tyłko TxD i RxD
• Maximum baud rate	230400 bps
• Ambient temperature	0... +50 °C
• Dimensions	50 x 35 x 20 mm
• Weight	ca. 20 g

5. Maintenance

The device does not require periodic maintenance.

In case of damage please contact CZAKI THERMO-PRODUCT Sales Department.

6. Contents of package

- IF-232U interface
- USB A4-B4 cable
- Software on CD ROM
- User's Guide