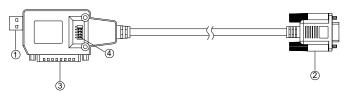
USB-CONVERTERCABLE

Overview

The USB-CONVERTERCABLE provides bi-directional connectivity between any standard USB compliant host system and Cermate inverters with built in RS232/422/485 interface access via the DB25 pin Com2 and with built in RS232 interface accessible via DB09 pin Com1 modular / interconnect communication port.

Hardware design of the USB-CONVERTERCABLE



- 1 USB interface
- 2 D-SUB 09M interface
- (3) D-SUB 25M interface
- 4 Jumper Selection

Specifications

Operating temperature range: 5 to 40°C Storage temperature: -20 to +70°C Total cable length: 2 meters USB version: version 1.1 Optical isolation: no

Serial interface RS-232, D-SUB 9 Female plug compatible with Cermate H.M.I com1

Max current: 120mA at 5VDC Max humidity: 85%

UR23 version 1.0

Connections

D-SUB 09M (RS232) interface



None

Pin

RS-232 RXD/RS-232 TXD RS-232 TXD/RS-232 RXD

Description

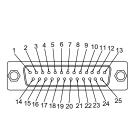
None

Description

RS-422 CTS-

- GND
- None
- RTS/CTS
- CTS/RTS
- None

D-SUB 25M (RS232/422/485) interface



Chassis ground RS-422 TXD+ and RS-485 + RS-232 TXD RS-422 TXD- and RS-485 -15 RS-232 RXD RS-422 RXD+ 16 RS-232 RTS RS-422 RXD-17 RS-232 CTS TTL TX 18 Function as DSR TTL RX 19 Signal ground 20 Function as DTR Function as CD 21 None TTL RTS Function as RI 22 10 TTL CTS 23 RS-422 RTS+ RS-422 RTS-None 24 11 RS-422 CTS+ 5V input jumper selectable 12 25

Description

USB interface



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Installation

D-SUB 9 male connector: The Cermate HMI has a built-in 9 Female connector accessible from the rear side of the device.

USB connector: The USB convertercable requires to connect with PC that equipped

with any standard USB Type A port compliant with Universal Serial Bus Specifi

The proper operation of the interface in the computer requires the installation of a device driver. The device driver can be downloaded from the following link:

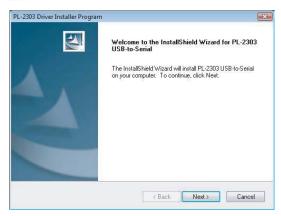
The file to be downloaded is the one identified with "UR Driver".

System requirements for driver installation:

Pentium II or higher Windows 98/ME/NT/2000/XP/vista 64MB RAM 1GB hard disk space

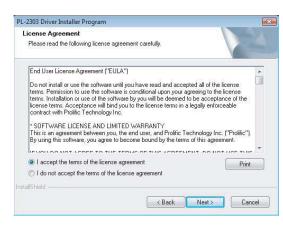
The driver comes in a self-installing executable file with the name "UR_Series_Driver"; the installation of the driver must be done BEFORE connecting the converter to the USB port of the computer.

To install the driver, launch the **UR23a.exe** executable file, then follow the instructions on screen. You must accept the terms of the license agreement to complete the installation procedure.



Click "Next", start to install the PL-2303 USB-to-Serial driver for the UR23 product

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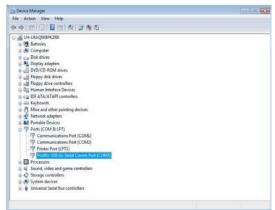


Select "I accept the terms of the license agreement" and then click "Next"



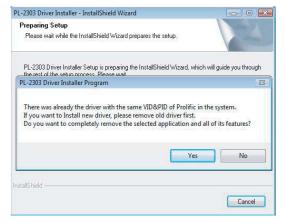
Click "Finish" to complete the installation, now you can plug the converter to the USB port of the computer.

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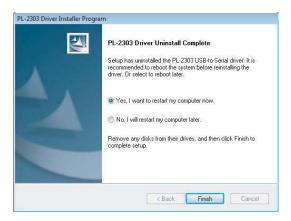
Uninstalling the device Driver

If you want to remove the USB-CONVERTERCABLE device driver, follow the steps: Launch the "UR23a.exe" executable file. It will show a window to ask if you want to completely remove the selected application and all of its features?



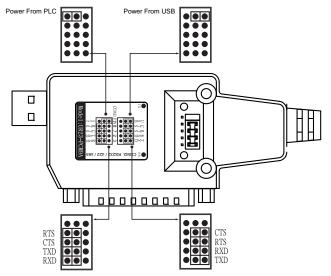
Please Click "YES" to remove the device Driver.

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Click "Finish" The device driver uninstall completed

Jupmer Selection



Technical Safety Notes

Qualified personnel

The device should only be used by qualified personnel. Qualified personnel as referred to in safety guidelines in this documentation are persons who are authorized to commission, ground, and tag circuits, equipment, and systems in accordance with established safety practice.



The equipment/system or the system components may only be used for the applications described in this manual, and only in combination with the equipment, components, and devices of other manufacturers as far as this is recommended or permitted by Cermate.

The product will function correctly and safely only it is transported, stored, set up, and installed as intended, and operated and maintained with care.

Warnings

- Do not use this product near water or install it in areas subject to excessive dust, oily mist, conductive dust, corrosive gas and flammable gas.
- Do not mount this product on the an unstable location.
- Do not mount this product subject to high temperature, moisture, or rain.
- To avoid damage of internal components, do not place the product on a vibrating surface.
- Your device and its enhancements may contain small parts. Please keep them out of the reach of small children.

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Indicated loss of life, severe personal injury, or substantial property damage will result if proper precautions are not taken.

Disposal Instructions

Do not throw this electronic device into the trash when discarding. To minimize pollution and ensure utmost protection of the global environment, please recycle.

Copyright Declaration

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Note: USB-CONVERTERCABLE is not applicable to WEEE. The converter cable is only used for Industrial PLC and not used for IT or consumer products.

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