

RTCCBL Communication Cable Quick Start Guide

03/2013

Serial communication and Console communication using a communication cable (RTCCBL) cannot be used together.

When performing Serial communication, remove the communication cable (RTCCBL) from the USB port of the PC and Console connector of the instrument. When performing Console communication, it is not required to remove the Serial communication cables. However, do not send a command from the master side.

This manual contains instructions for functions and usage of the communication cable (RTCCBL). To ensure safe and correct use, thoroughly read and understand this manual before using this cable. To prevent accidents arising from the misuse of this cable, please ensure the operator receives this manual.

Important Information

Read these instructions carefully and look at the equipment to become familiar with the device before trying to install, operate, or maintain it. The following special messages may appear throughout this documentation or on the equipment to warn of potential hazards or to call attention to information that clarifies or simplifies a procedure.

Precautions

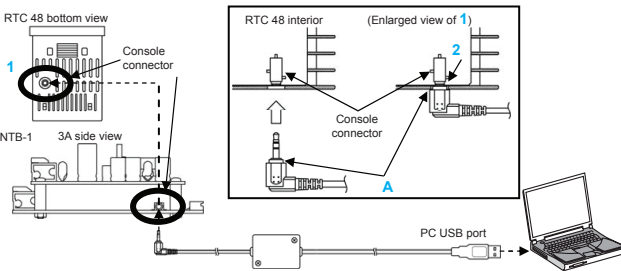
⚠ WARNING

UNINTENDED EQUIPMENT OPERATION

- Do not confuse the direction of the USB plug when connecting this cable to the USB port. If the plug cannot be inserted smoothly, do not force it to enter. This may damage the plug or port.
- Do not bend or pull forcibly or put any heavy object on the cable.
- Do not connect or remove this cable during communication. This may cause damage or malfunction.
- Do not allow the metallic section of this cable to come into contact with external power terminals.
- Do not handle the cable plug with wet hands. This may result in electric shock.
- Ensure the cable is used under the following conditions:
 - A minimum of dust, and an absence of corrosive gases
 - No flammable, explosive gases
 - No mechanical vibrations or shocks
 - No exposure to direct sunlight, an ambient temperature of 0...50 °C (32...122 °F) that does not change rapidly, and no icing
 - An ambient non-condensing humidity of 35 to 85% RH
 - No large capacity electromagnetic switches or cables through which large current is flowing
 - No water, oil, chemicals or where the vapors of these substances can come into direct contact with the cable
 - Ambient temperature of this cable must not exceed 50 °C (122 °F) if mounted within the control panel.
- It sometimes takes time for the PC to identify the cable when the USB plug of this cable is connected to the PC. However, this is not a malfunction. Be sure to confirm the COM port number before starting communication.
- Do not extend this cable using an extension cable when connecting to the PC. A malfunction may occur.
- Use a soft, dry cloth when cleaning this cable. (Alcohol based substances may deface or tarnish the cable.)

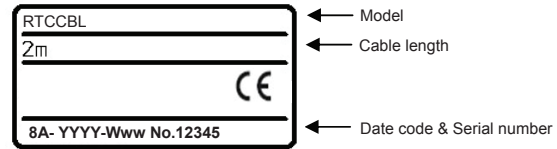
Failure to follow these instructions can result in death, serious injury, or equipment damage.

4. Installation Procedure

Step	Action
1	Turn the power supply to the PC ON, and start Windows.
2	<p>Connect the cable.</p> <ul style="list-style-type: none"> Check that the power supply to the instrument is turned OFF. Connect the USB port of the PC to the console connector of the instrument, using this cable.  <p>1 Insert the plug pin until a click sound is audible. Otherwise communication is impossible due to imperfect insertion.</p> <p>2 Edge.</p> <p>A Insert pin A until it touches the console connector. Normal position is that A enters the case by 1 mm so that the pin base is flush with the internal.</p>
3	<p>Install the driver.</p> <ul style="list-style-type: none"> Install the driver from the CD-ROM provided. Install the USB driver and virtual COM port driver. The same displays for installation will appear twice. Based on using a Windows XP system: For installation using a Windows Vista/7 system, refer to "Setup_E.txt" in the USB driver folder of the CD-ROM. If driver installation has been already completed, go to step (4). <ol style="list-style-type: none"> Connect the USB plug of this cable with the USB port of the PC. After a short while, Found New Hardware is indicated. Then Found New Hardware Wizard display appears. Select Install from a list of specific location (Advanced), and click Next. Click Search for the best driver in these locations, and click. Select Include this location in the search Browse. Select the USB driver folder of the CD-ROM, and click OK. Click Next. Completing the Found New Hardware Wizard display appears. Click the Finish button. Step b. display appears again. Repeat the steps c to h. Driver installation is completed.

1. RTCCBL Cable References

The model label is attached to the case.

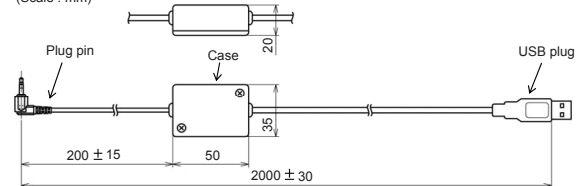


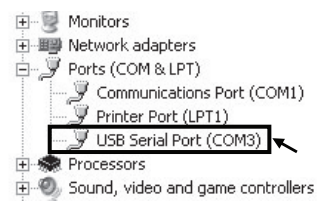
2. Specifications

Specifications	Description
Software	Zelio Temperature Control Soft
USB I/F standard	Corresponds to USB Specification 2.0.
DTE (PC side) speed	9600 bps [For instruments with Serial communication (C5 option), 9600/19200 bps, Selectable]
Connector spec	PC side : USB plug (Type A) Controller side : Exclusive plug pin
Operating system	Windows XP/Vista/7 (English)
Personal computer	OS certified PC with USB port (Intel Pentium processor or compatible microprocessor)
Case (Material, Color)	ABS, Black
Cable color	Black
Power source	Bus power (Supplied from PC through USB)
Supply voltage	5 Vdc
Ambient temperature	0...50 °C (32...122 °F) (No icing)
Ambient humidity	35...85% RH (Non-condensing)
Weight	Approx. 100 g
Environmental spec	Conforms to RoHS directive.
Accessories	CD-ROM: 1, Quick start guide: 1 copy

3. Plug Types and External Dimensions

(Scale : mm)



Step	Action
4	<p>Confirm the COM port number.</p> <p>Select Start → Control panel, and click.</p> <ul style="list-style-type: none"> Click Performance and maintenance. Click System. System properties display appears. Click the Hardware tab, and click the Device manager button. If USB Serial Port (COM3) is indicated in the Ports (COM & LPT), COM port has been allocated No.3. Close the Device manager, System properties display and Control panel. <p>For example</p>  <div style="border: 1px solid black; padding: 5px; width: fit-content;"> <p>Zelio Temperature Control Soft uses COM ports 1 to 8. For COM9 or above, change the number to an unused port from COM1 to COM8.</p> </div>
5	Turn the power supply to the instrument ON.
6	<p>Start the Zelio Temperature Control Soft of the instrument.</p> <p>Zelio Temperature Control Soft can be downloaded from our website. (http://www.schneider-electric.com) (Registration required.) For details, contact our agency or us.</p>
7	Select the COM port number confirmed at step, and start communication.

5. Uninstalling the Driver

Step	Action
1	Select Start → Control panel , and click.
2	Double-click Add or Remove Programs .
3	Click FTDI USB Serial Converter Drivers , and click the Change/Remove button. FTDI Uninstaller display appears.
4	Click the Continue button.
5	Click the Finish button. Uninstalling the driver is completed.