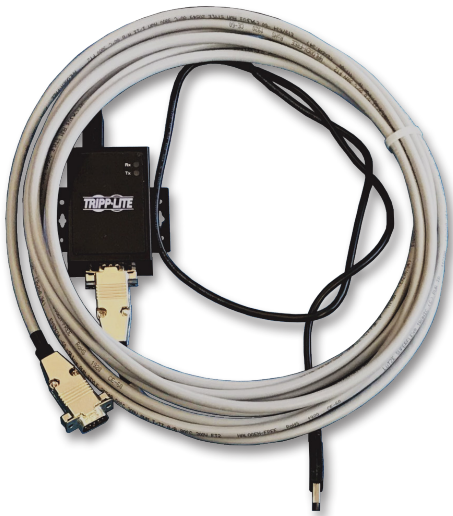




rev0_10.15.2021

COPILOT®/TCU INTERFACE CABLE ASSEMBLY

C-TCU-USB



The CoPilot® System/TCU Interface Cable Assembly C-TCU-USB includes the serial-to-USB interface and all cabling required to connect a temperature control unit (TCU) to the CoPilot System application processor AP4.0.

TECHNICAL SPECIFICATIONS

SERIAL/USB INTERFACE

Operating Temperature	32–104° F	0–40° C
Storage Temperature	14–131° F	-10–55° C
BTUs	15.4 BTU/Hr	
Power Source (4.5 W)	AP4.0 USB Port	

USB CABLE (USB INTERFACE TO AP4.0)

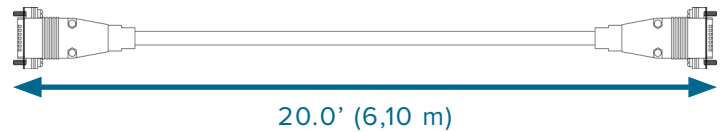
Shielded USB 2.0, A Male/B Male

SERIAL CABLE (TCU TO USB INTERFACE)

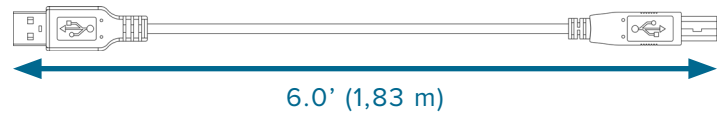
Shielded Nine-Pin RS-485, Male/Female

PRODUCT DIMENSIONS

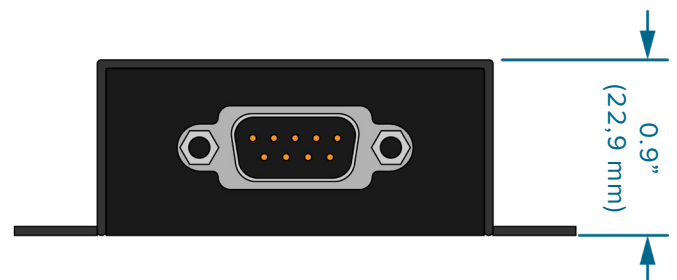
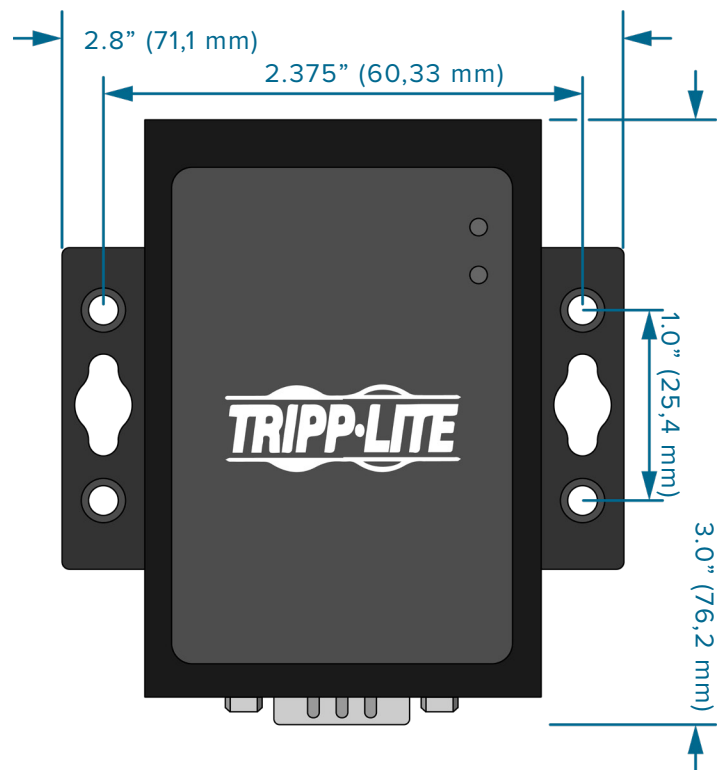
SERIAL CABLE (TCU TO USB INTERFACE)



USB CABLE (USB INTERFACE TO AP4.0)



SERIAL/USB INTERFACE



INSTALLATION

1. Determine Serial/USB TCU Interface mounting location.

Keep the interface away from excessive heat, vibration, and moisture.

2. Mount Serial/USB TCU Interface.

Mount the interface using the integrated mounting locations.

3. Attach cables to the TCU, Serial/USB TCU Interface, and AP4.0.

Attach Serial Cable to TCU and Serial/USB TCU Interface; attach USB cable to Serial/USB TCU Interface and AP4.0.



CAUTION DO NOT change dip switch positions. Failure to comply will result in TCU communication interruptions.

- | | |
|---|--|
| 1 | CoPilot System Application Processor AP4.0 |
| 2 | USB Cable |
| 3 | Serial/USB TCU Interface |
| 4 | Serial Cable |
| 5 | TCU |

The following settings must be configured in the TCU:

Communication Address	0 (If 0 is not an option, use 1)
Communication Baud Rate	9600

Refer to CoPilot Software User Guide—available for download online at www.rjginc.com—for software setup and use information.

