F4 Temperature Controller

USB/RS485 Interface application note

Date: Oct 2012

Objective:

The F4 temperature controller comes with USB communication interface option. The model number should be the F4-xxU

The F4 temperature controller also comes with RS485 communication interface option. The model number should be F4-xxC

Note* x: not care, U: USB interface option, C: RS485 interface option

F4 - USB wire connection:
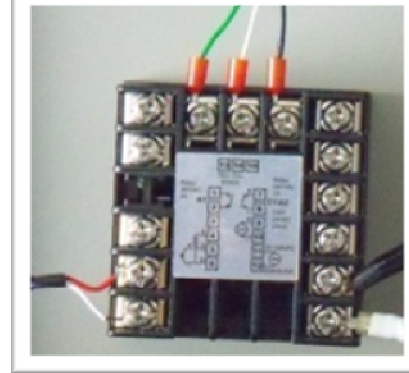
A USB-serial communication cable is required option – URC-1020. There is also a panel mount cable version available. Please check with our customer service dept. F4 – Pin #13 (Tx+ / Tx) ------ USB Green Wire F4 – Pin #14 (Tx- / Rx) -------- USB White Wire F4 – Pin #15 (Gnd) ------------- USB Black Wire • The label only showing RS485 connection	

F4-RS485 wire connection: (only two wires)
   F4-Pin#13 (Tx+) connect to RS485 device Tx+
   F4-Pin#14 (Tx-) connect to RS485 device Tx-

F4 – Communication Default Setting:
   Controller ID number: 247
   Baud Rate: 19.2K
   Protocol: N-8-2