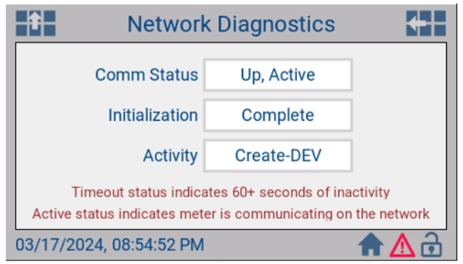
FT-3500 Transmitter Quick Start Guide

CHECKING NETWORK STATUS



Network Diagnostics:
The user can verify their communication status via the Network Diagnostics screen.

Comm Status:

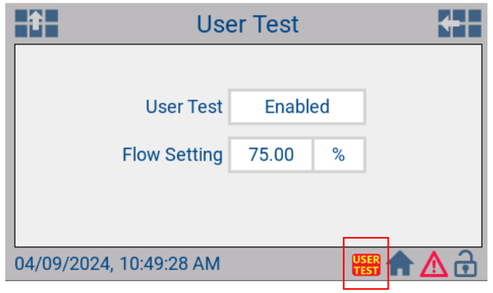
Down: No traffic has been seen in 60 seconds

Up, Active: Traffic has been seen in the last 60 seconds, and the meter is talking to the network.

Up, Inactive: Traffic has been seen in the last 60 seconds, and the meter is not talking to the network.

FLOW SIMULATION

1. To enter a flow simulation mode, select "Diagnostics" from the main menu screen, then "User Test."
2. Set User Test to "Enabled" and then set the simulated Flow Setting to desired percentage of full scale.



WARNINGS, ALARMS, AND ERRORS

Does the main screen show an alarm message?

Active warnings, alarms, and errors can be found by selecting "Alerts" on the main menu screen. Please reference the FT-3500 user manual for more information on these alerts.

Scan for Manual

ONICON
Flow and Energy Measurement

onicon.com • sales@onicon.com • +1 (727) 447-6140

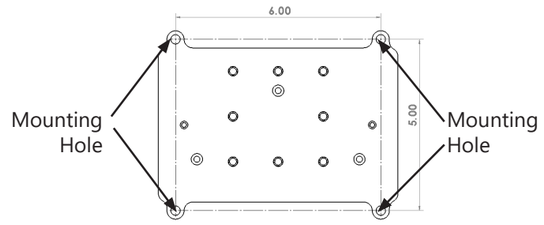
Quick Start Guide

FT-3500 Transmitter

ONICON
Flow and Energy Measurement

MOUNTING INSTRUCTIONS

The mounting surface must be structurally sound and capable of withstanding a minimum weight of 40lbs (18kg). Use the following screws for mounting: (4) Machine screws - HHMS .25-20 x 1.5"; (4) Wood screws - FHLS .25 x 1.5"; (4) Concrete screws - HHCS .25 x 1.5"





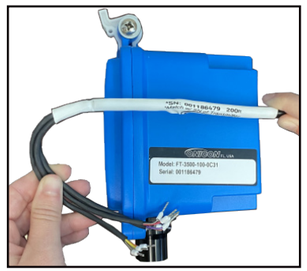
1/2" NPT Weathertight Conduit Adapters



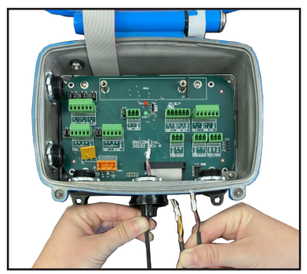
Strain Relief Cable Grips



CONNECTING SENSOR CABLE TO THE FT-3500 TRANSMITTER

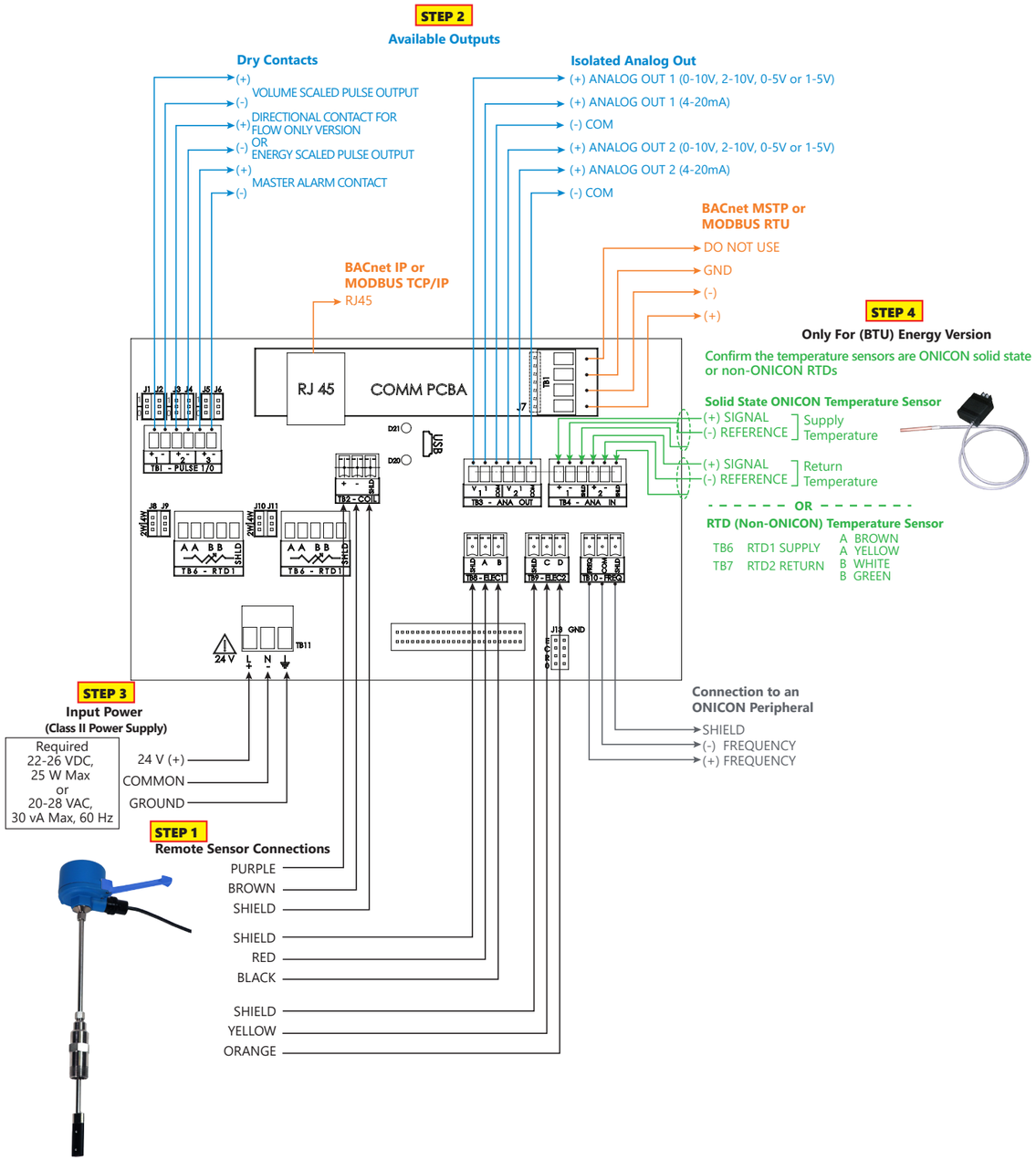


Before getting started, ensure that the serial numbers located on the transmitter, remote electronics enclosure, and cable all match.



When connecting the cable to the transmitter, feed one sensor cable (out of the three) through the conduit adapter/ strain relief at a time. Once all three cables are through the connector, tighten the internal/ strain relief cable grip.

WIRING CONNECTIONS



NETWORK CONFIGURATION

Connecting via BACnet MS/TP	Connecting via BACnet UDP/IP
1. Power on unit to verify is it functioning properly. Once verified, power unit down.	1. Power on unit to verify is it functioning properly. Once verified, power unit down.
2. Wire MS/TP cables to unit. • The RS485 network cable connections are polarity sensitive and must be connected the same way on every device (i.e. + to + and - to -). • Shield drain connections should be daisy chained in the same manner as the signal cables for RS485. The shield drain wire should be left unterminated at the end of the cable and connected to shield only at the network master controller. **Shield wires must not be connected to the RS485 connector on the FT-3500.** • The maximum number of devices allowed on an RS485 network segment without a repeater is 32. Adding more than 32 devices to a single segment may reduce the transceiver output voltage to a level that is too low to be distinguished from background noise on the cable.	2. Connect ethernet cable to unit.
3. Connect power to unit.	3. Connect power to unit.
4. Navigate to the systems network configuration. From the main menu select: → User Configurations → Network → BACnet MS/TP or MODBUS RTU	4. Navigate to the systems network configuration. From the main menu select: → User Configurations → Network → BACnet MS/TP or MODBUS RTU
5. Configure device as needed. Default values are listed below. **Baud Rates** 38400 **Device Address** 17 (Default) **Device Instance** 57017 **Max Master** 127	5. Configure device as needed. Default values are listed below. **Default Address** 192.168.1.24 **Instance Number** 57017 **Subnet Mask** 255.255.255.0 **Gateway Address** Programmable **UDP port (BACnet)** 47808 **TCP port (MODBUS only)** 502