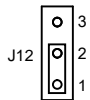


NOTES:

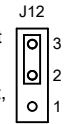
1. All installations in hazardous locations must comply with requirements of certification Drawing 2015246-CD.
2. Maximum length of RS485 bus is 4000 Ft. @9600 baud using Totalflow cable P/N 2011648-001 or equivalent.
3. Units must be daisy-chained; No Star Configurations.

Jumper 1 to 2 on J12 to terminate last unit on bus.



XFC Board 2100204

Jumper 2 to 3 on J12 for first and intermediate units.
or
If the first unit is the only unit, jumper 1 to 2 to terminate.



RS-485 Cable
Totalflow P/N 2011648-001
Between Each Unit.

Plug in modules with smooth side of the module on the left which puts pin 1 on the bottom.

RS-485 Communications Module
Totalflow P/N 2015193-002/003
In Each Unit.

Switched Battery Voltage –
Switches On/Off At Listen
Cycle Frequency. Zero Listen
Time Causes Continuous
Output. Maximum Output Is 2
Amps. Turns Off If Battery
Voltage Drops To 11.9 Volts
Or A Programmable Voltage
On Some Units.

Battery Voltage Output –
Max. 2 Amps
11.9 – 17.0 VDC
Does Not Turn Off Under
Any Condition.

To Third Party
RS-485 Device

Typically Used To Turn The UCI
(Universal Communications Interface)
Around From Transmit Mode To
Receive Mode. May need to daisy-
chain to the other units on the bus.

Same As SWVBATT Except With
An On-Board 1500 Ohm Current
Limiting Resistor In Series.

Typically Only Bus+, Bus- And Gnd
May Be Required To Communicate
With A Third Party RS-485 Device,
But For Information Purposes, All
Lines Associated With Comm 2
RS-485 Mode Are Shown.

4. Cable Shielding – Cable segments between units should have their shields terminated on one end only. The RS-485 Cable (P/N 2011648-001) has two shields, each with its own drain wire. When connecting multiple units together, connect the two drain wires on the first unit to one of the two ground screws on the bottom left-hand side of the enclosure. Cut the cable and terminate the wiring on the second unit but do not connect the drain wires. On the next segment between the second and third units, connect the two drain wires to the second unit but not to the third unit. Repeat this process until all units are wired.

