NOTES:

1. WARNING: This drawing does not illustrate completely the installation methods required for hazardous locations. Prior to any installation in a Class I, Div 1, Hazardous Location, verify installation methods by the Control Drawing referenced on the product's name tag and national and local codes.

2. Maximum length of RS485 bus is 4000 Ft. @9600 baud using Totalflow cable P/N 2011648-001 or equivalent.

3. To access termination board, remove I.S. Junction Box front cover.

4. Redundant Ground Wires per ISA RP 12.6
Wires Must be GRN 12 AWG.
Ground Electrode per CEC C22.1
or NEC NFPA 70

If the BTU Transmitter is the last device on the Bus, or if it is the only device, jumper J7 Pin-1 to Pin-2.

1 3 J7

If it is not the last device, jumper J7 Pin-2 to Pin-3 (Pin-1 is on the left, when viewing the I.S. Board).

1 3 J7

For RS-485 2-wire, jumper J8 Pin-1 to Pin-2. For RS-422 4-wire, jumper J8 Pin-2 to Pin-3

1 3 J8

Communications Module Totalflow P/N 2015193

Totalflow Cable P/N 2011648-001
Or
Use 20 AWG shielded wire, 22 pF/m, 14 OHMs/1000 ft

Installations in a hazardous location will require a barrier.
SEE NOTE 1