NOTES:
1. Prior to any installation in a classified hazardous location, verify installation methods by the Control Drawing referenced on the product's name tag.
2. Maximum length of RS422 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.
   To access Safety Barriers, remove Enclosure front cover.

Hazardous Area

Non-Hazardous Area

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

Explosion-proof Enclosure P/N 2017329-001
Or
Use 20 AWG shielded wire, 22 pF/ft, 14 Ohms/1000 ft

Sealed Conduit Fittings
Or
Approved Cable Fittings

Third Party RS-422 Device
SEE NOTE 5

SEE NOTE 4

If the BTU Transmitter is the last device on the RS-422 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

REF: N/A

ABB
TOTALFLOW Products
L17648
UD
BTU 8000 FCU COMM PORT TO ABB BARRIER; 4-WIRE W/GND (RS-422)

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