NOTES:

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

2. To access the LevelMaster board, remove the enclosure top cover.

3. Only one host flow computer is allowed in this configuration.

4. The RS-485 buss must be wired in a daisy-chain configuration. Star configurations are not allowed.

5. Maximum accumulated length for the RS-485 buss is 4000 feet, or a maximum 4 LevelMaster units.

6. The LevelMaster application must be instantiated in the XFC board by X-series setup software, such as PCCU32.

7. ABB recommends using the 6 conductor cable P/N 2011648 to connect to both sides of the barrier.

I.S. Barrier Bd.
P/N 2100336

See following sheets for wiring connection:
Sheet 2 – XFC
Sheet 3 – XRC
Sheet 4 – RMC
Sheet 5 – RMC w/Serial Converter
Sheet 6 – G5 µFLOW
Sheet 7 – CIM

D18 LED indicates that the serial port is receiving data.
D19 LED indicates that the serial port is transmitting data.

SHLD GND

Non-Hazardous Area

Intrinsically safe connection when installed with stated barrier. Wire per NEC 500 or CEC appendix J18.
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1. Termination methods for COMM ports 1 and 2 are the same. All notes apply.
2. The RMC can operate on 12 or 24 volts DC. In this configuration the RMC must be powered with 12 volts DC.
3. For a COMM port to be activated the COMM module (Part # 2105236-001) must be in the slot for the appropriate COMM port. The module is software selectable for communication protocol type. This includes the Pin 1, VOUT.
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