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

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

**EXCEPTION:**
If a B&B RS-485/232 Converter or a Totalflow RS-485/232 Converter Assy W/ Cable (P/N 2100250-002) is used, Do Not Jumper 7 & 8, or 9 & 10.

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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 of 10 LevelMaster units on the buss are allowed (without barriers), but not both. If barriers are used, the same holds true for 4 LevelMaster units.

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

**NOTES:**

**Hazardous Area**

**Non-Hazardous Area**

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**RS-485 Host Computer (SEE NOTE 6)**

**Battery or Power Supply**

14VDC Max

To Alternate Chassis GND

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**LevelMaster Bd 2018546-003**

**I.S. Barrier Enclosure**
P/N 2100339-001 (Group D)
P/N 2100339-002 (Group C,D)

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**Cable**
P/N 2011648-001

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**Sealed Conduit Fittings**

**Approved Cable Fittings**
(Wiring shown outside of conduit for clarity)

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**REF: 2100448-WI**

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**ABB TOTALFLOW Products**

**ACTION**
L19019

**DOC TYPE**
UD

**TITLE**
LEVELMASTER (2018546 BD) W/BARRIER TO GENERIC HOST W/EXT POWER (RS-485)

**DWG NO.**
2102850

**REV**
AA

**SHEET**
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