

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.

Hazardous Area

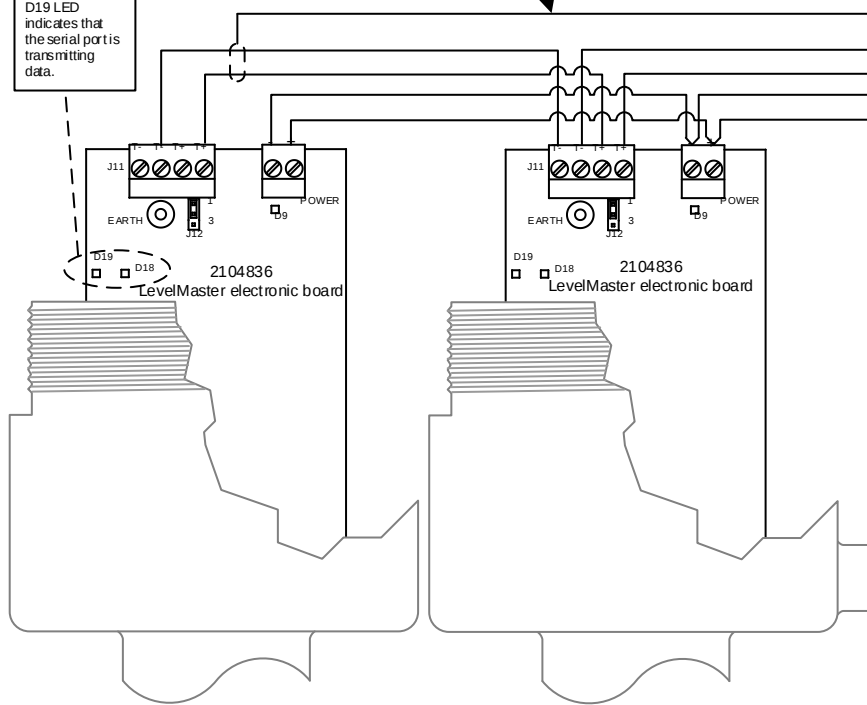
Non-Hazardous Area

Intrinsically safe connection when installed with stated barrier. Wire per NEC 500 or CEC appendix J18.

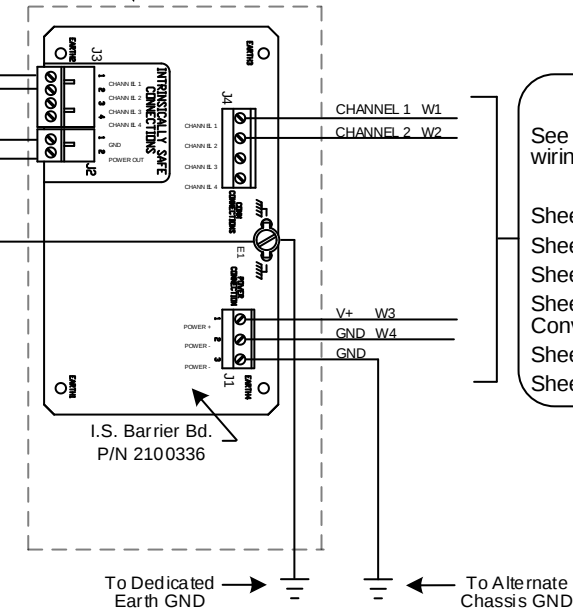
D18 LED indicates that the serial port is receiving data.

D19 LED indicates that the serial port is transmitting data.

SHLD GND



I.S. Barrier Enclosure
P/N 2100339-003 (Group D)
P/N 2100339-004 (Group C,D)



See following sheets for wiring connection:

- Sheet 2 – XFC
- Sheet 3 – XRC
- Sheet 4 – RMC
- Sheet 5 – RMC w/Serial Converter
- Sheet 6 – G5 μ FLOW
- Sheet 7 – CIM

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.

REF: 2100448-WI

ABB

TOTALFLOW
Products

ACTION
L37719

DOC TYPE
UD

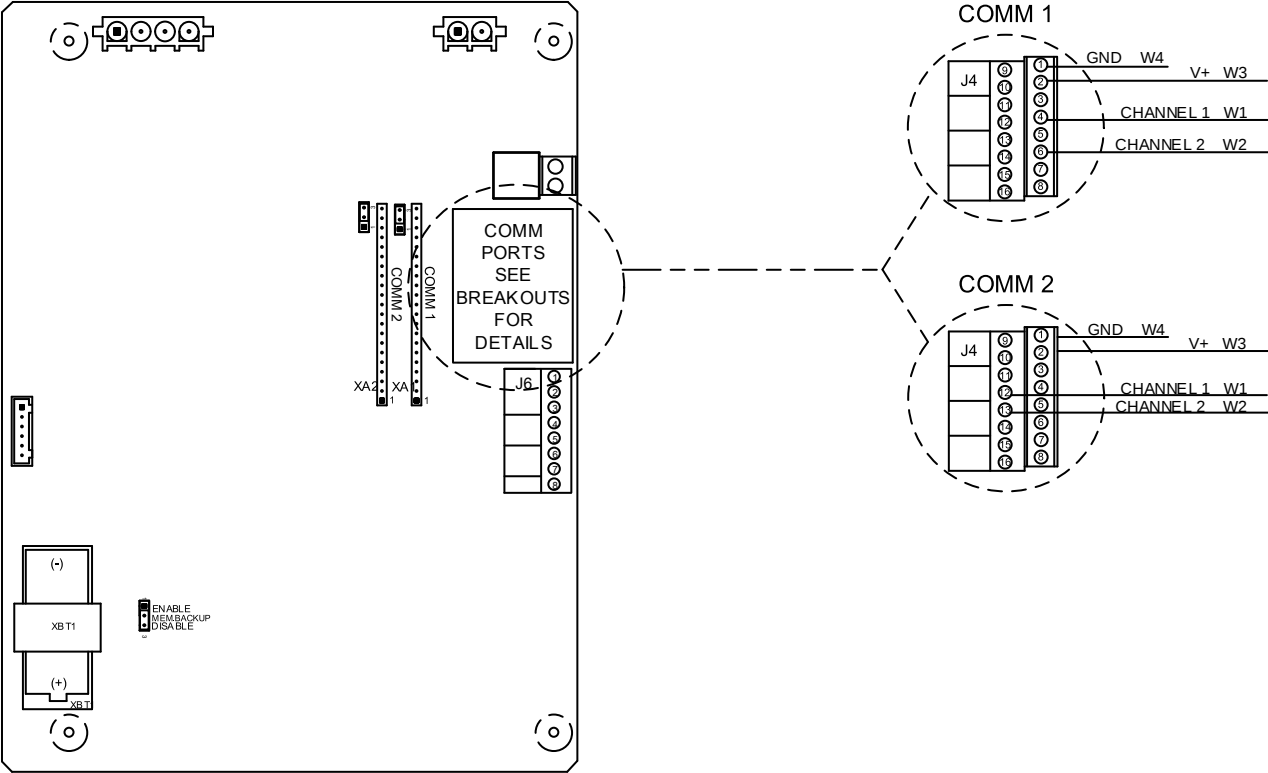
TITLE
LEVELMASTER (2104836 BD) W/BARRIER TO XFC,
XRC,RMC, AND MODULE

DWG NO.
2105930

REV
AA

SHEET
1 OF 7

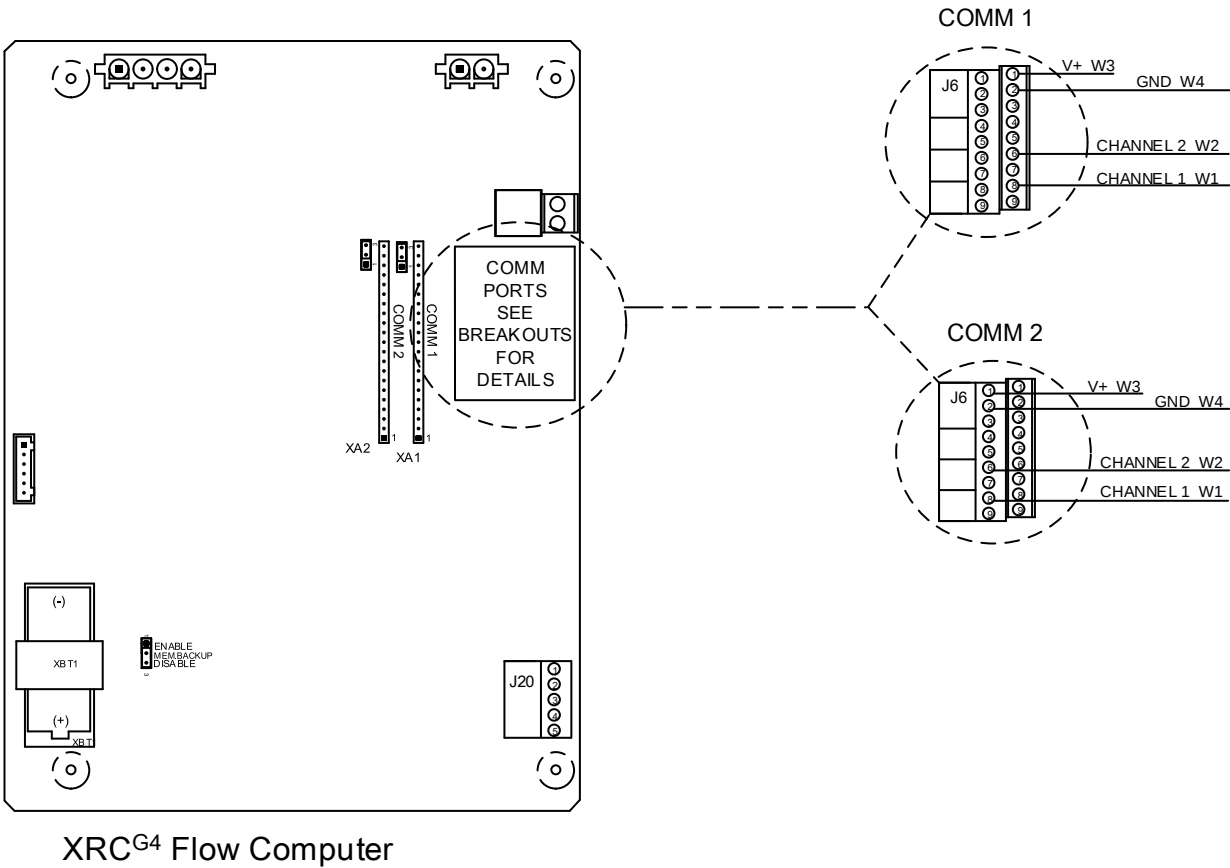
- NOTES:
- 1. The RS-485 Communications Module card (2015193) must be installed in the appropriate slot for the communication port to be active.



XFC^{G4} Flow Computer

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NOTES:

1. Termination methods for COMM ports 1 and 2 are the same. All notes apply.
3. The RMC can operate on 12 or 24 volts DC. In this configuration the RMC must be powered with 12 volts DC.
4. 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.

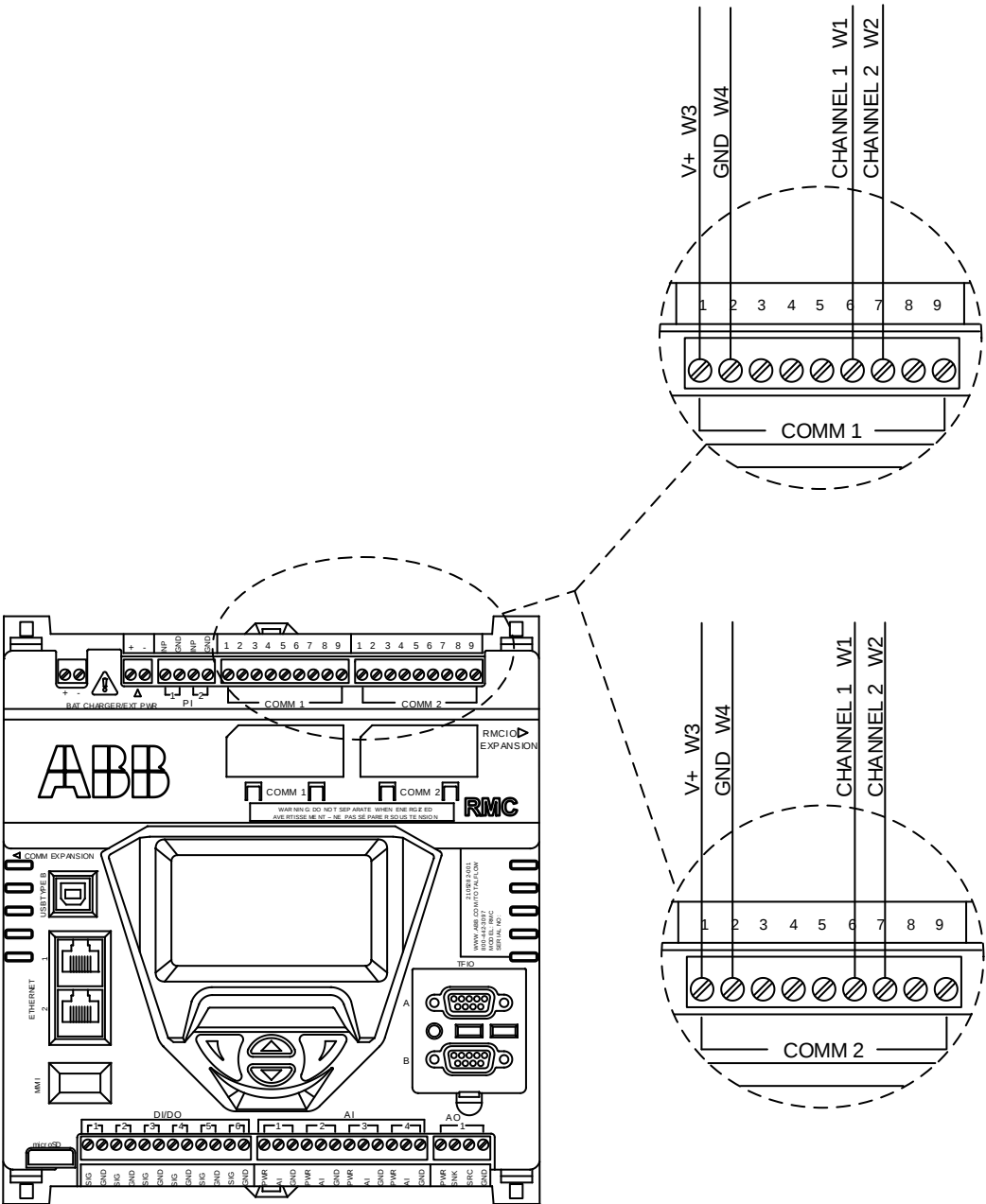
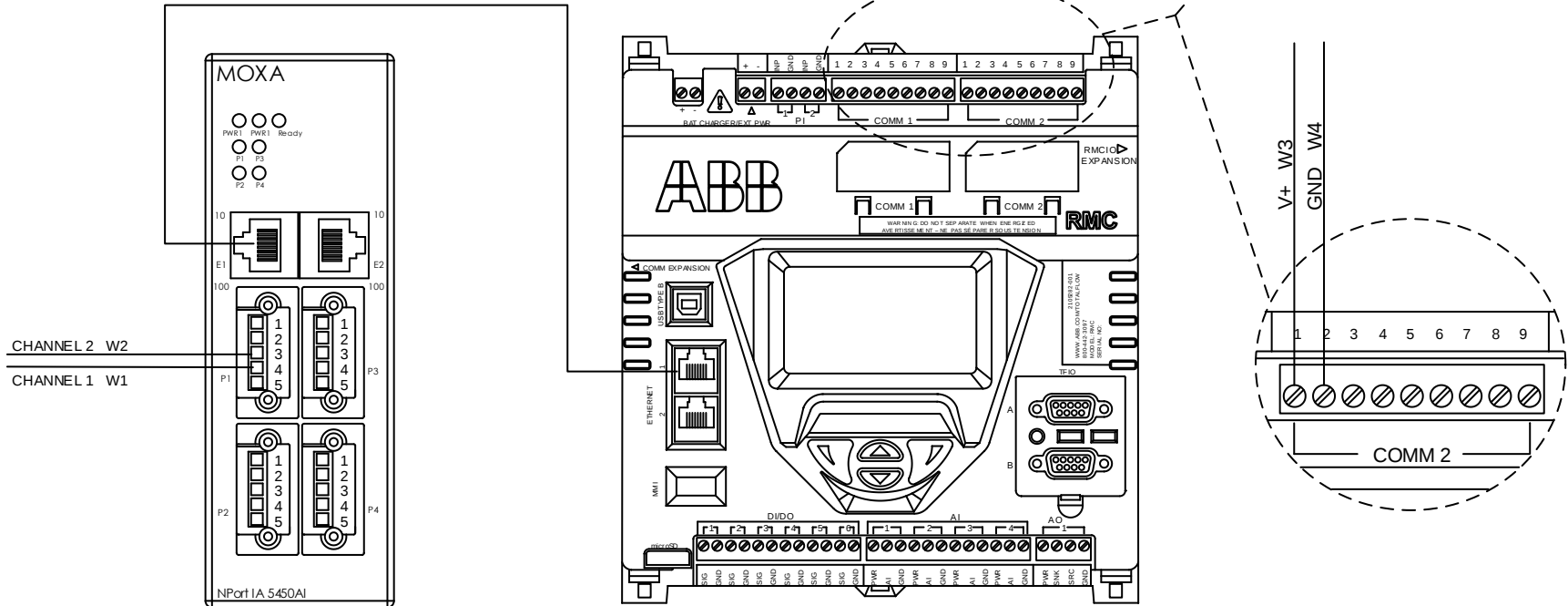


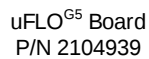
ABB TOTALFLOW Products	ACTION	DOC TYPE	TITLE	DWG NO.	REV	SHEET
	L37719	UD	LEVELMASTER (2104836 BD) W/BARRIER TO XFC, XRC, RMC, AND MODULE	2105930	AA	4 OF

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ABB

SHEET
6 OF

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