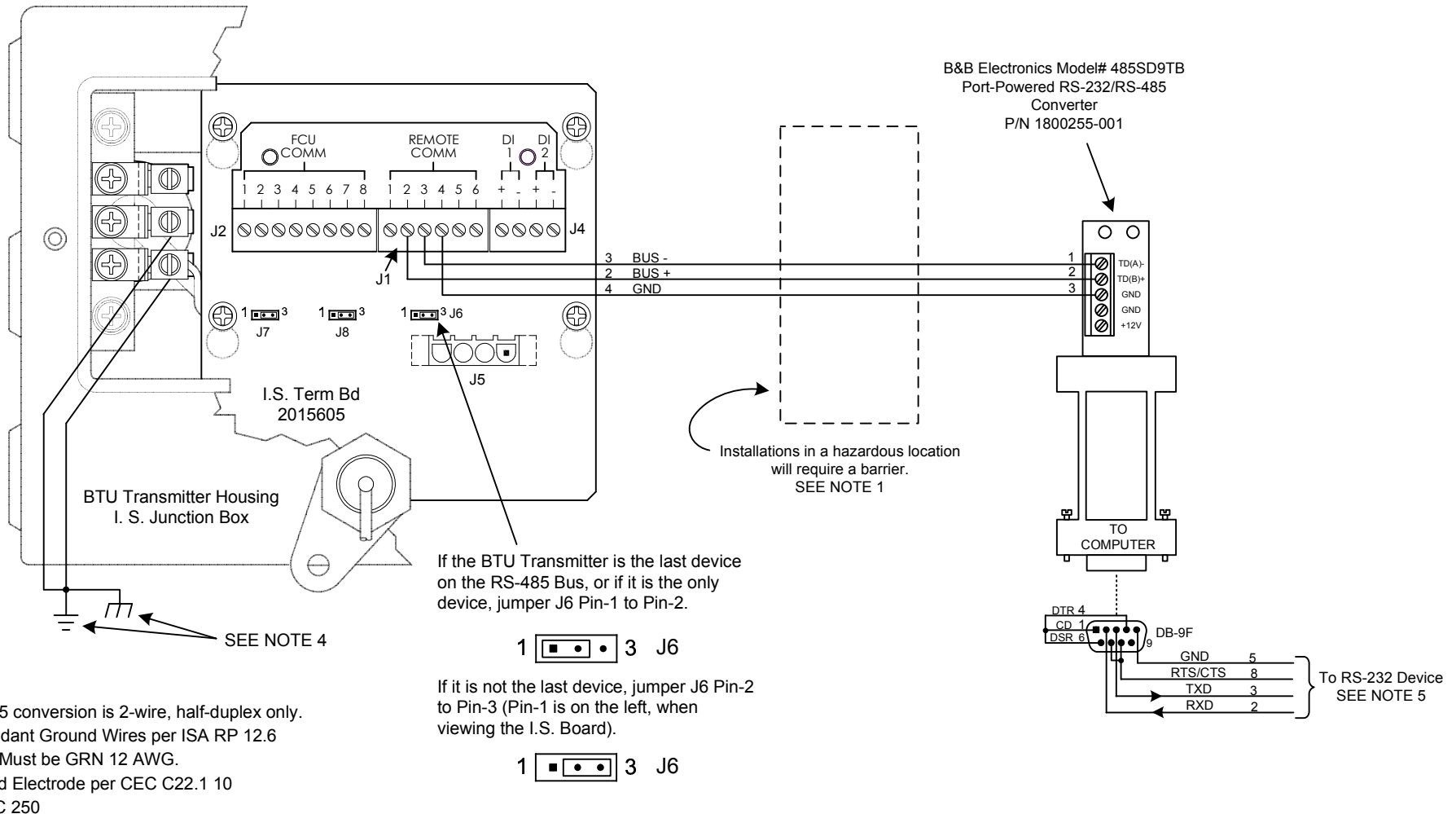


NOTES:

1. **WARNING:** This drawing does not illustrate completely 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. Depending on power from port, the RS-485/232 Converter will transmit up to 4000 ft. @ 115.2k baud.

5. No external power is required if two RS-232 output Handshake lines are available. External +12VDC can be applied to the pins on the RS-485 side between terminals +12VDC and GND, when handshake lines are not used.
The BTU has the capacity to provide power to the lines; however, it is recommended that external power come from another source, such as power charger or a modem located in a non-hazardous area.
Use 35mA maximum current draw under normal operation, when externally powered.



3. RS-485 conversion is 2-wire, half-duplex only.
4. Redundant Ground Wires per ISA RP 12.6 Wires Must be GRN 12 AWG.
Ground Electrode per CEC C22.1 10 or NEC 250

REF: N/A

ABB TOTALFLOW Products	ACTION	DOC TYPE	TITLE	DWG NO.	REV	SHEET
	L19077	UD	BTU8000/8100 REMOTE PORT RS-485 2-WIRE W/GND TO B&B RS-485/232 CONVERTER	2102908	AA	1 OF 1