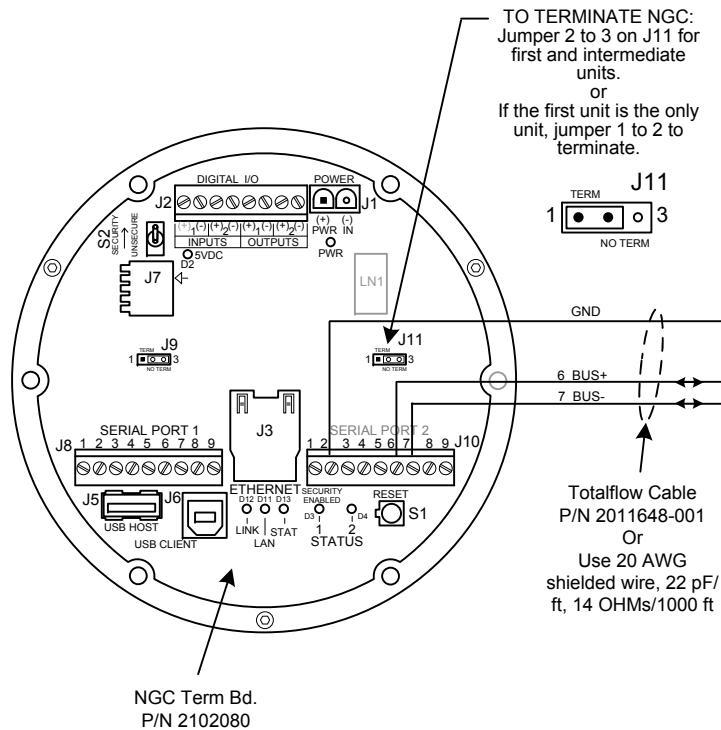
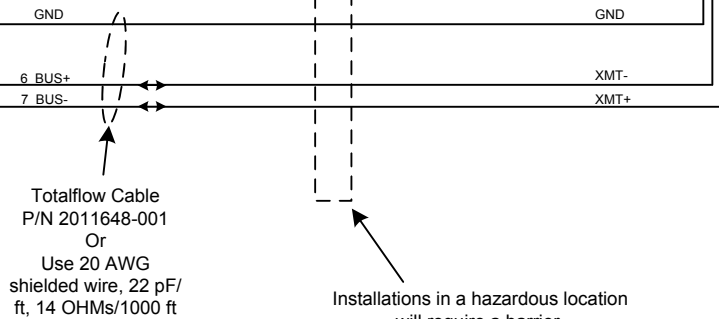


**NOTES:**

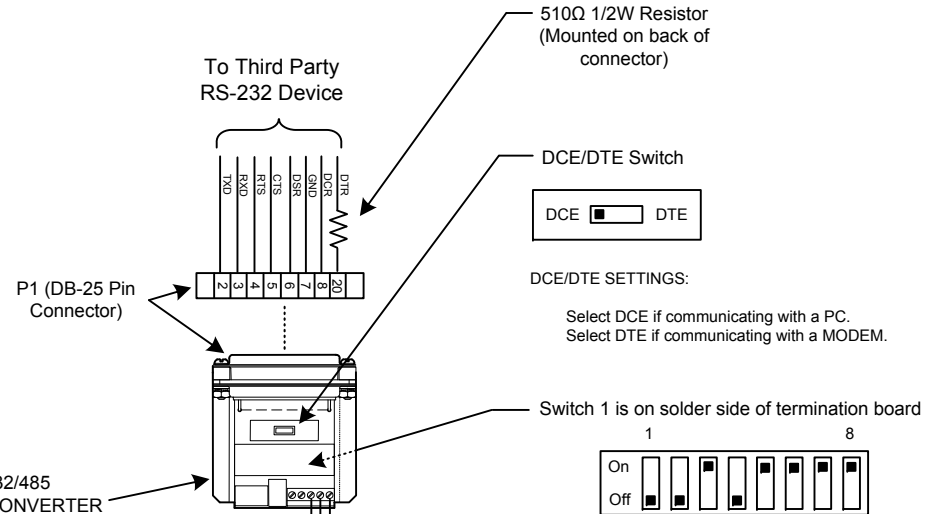
- WARNING:** This drawing does not illustrate completely the installation methods required for hazardous locations. Prior to any installation in a Classified Hazardous Location, verify installation methods by the Control Drawing referenced on the product's name tag and national and local codes.
- Up to 32 devices may be connected on the RS-485 buss, for up to a total combined distance of 4000 feet.
- Units must be daisy-chained; No Star Configurations.



RS232/485  
PATTON CONVERTER  
#2085F  
P/N 2015445-002



Installations in a hazardous location will require a barrier.  
SEE NOTE 1



**DCE/DTE SETTINGS:**

Select DCE if communicating with a PC.  
Select DTE if communicating with a MODEM.

**SWITCH 1 SETTINGS:**

- 1 & 2: Sets whether the receiving device sees the impedance of the converters transmitter as being "High" or "Intermediate" when the Transmitter is turned Off.  
1 & 2 ON = Intermediate impedance.  
1 & 2 OFF = High Impedance.
- 3: Determines the delay between the time the converter see "RTS" and sends "CTS".  
3 ON = 8 msec.  
3 OFF = No delay
- 4: Determines whether the converter echoes data back to the transmitting device.  
4 ON = Echo ON (Half-duplex only)  
4 OFF = Echo OFF
- 5: Determines whether the Carrier is always ON, or controlled by "RTS".  
5 ON = Controlled by "RTS"  
5 OFF = Constantly ON
- 6: Selects the impedance of the Input Receiver.  
6 ON = Low (120 Ohm)  
6 OFF = High (16 kOhm)
- 7 & 8: Determines whether the converter is 2-wire (2-wire is half-duplex) or 4-wire.  
7 & 8 ON = 2-wire mode.  
7 & 8 OFF = 4-wire mode.

REF: N/A

<b>ABB</b>	TOTALFLOW Products	ACTION	DOC TYPE	TITLE	DWG NO.	REV	SHEET
		L21015	UD	NGC PORT2 RS-485 2-WIRE W/GND TO RS-232 USING PATTON CONVERTER MODEL 2085F	2103673	AA	1 OF 1