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, will transmit up to 4000 ft. @ 115.2k baud.

3. RS-485 conversion is 2-wire, half-duplex only.

4. 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 a power charger or a modem located in a non-hazardous area. Use 35mA maximum current draw under normal operation, when externally powered.

SHLD GND
NOTE: Shield Ground the cabling only at one place

To RS-485 Device
(HINT: Another RS-232/485 Converter can be used on this end to send RS-232 signals over a long distance)

B&B Electronics Model# 485SD9TB
Port-Powered RS-232/RS-485
Converter
P/N 1800255-001

BTU XMTR
RS-232 Term Bd.
P/N 2015611

REF: N/A