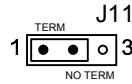


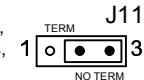
NOTES:

1. All installations in hazardous locations must comply with requirements listed by certification drawings related to this equipment. Check for the certification number on the nameplate and follow the specified requirements of this equipment.
2. For simplicity, this drawing differs slightly from the wiring interconnect in that power goes to P2-1 for Switched and Continuous. (See Note 3 below)

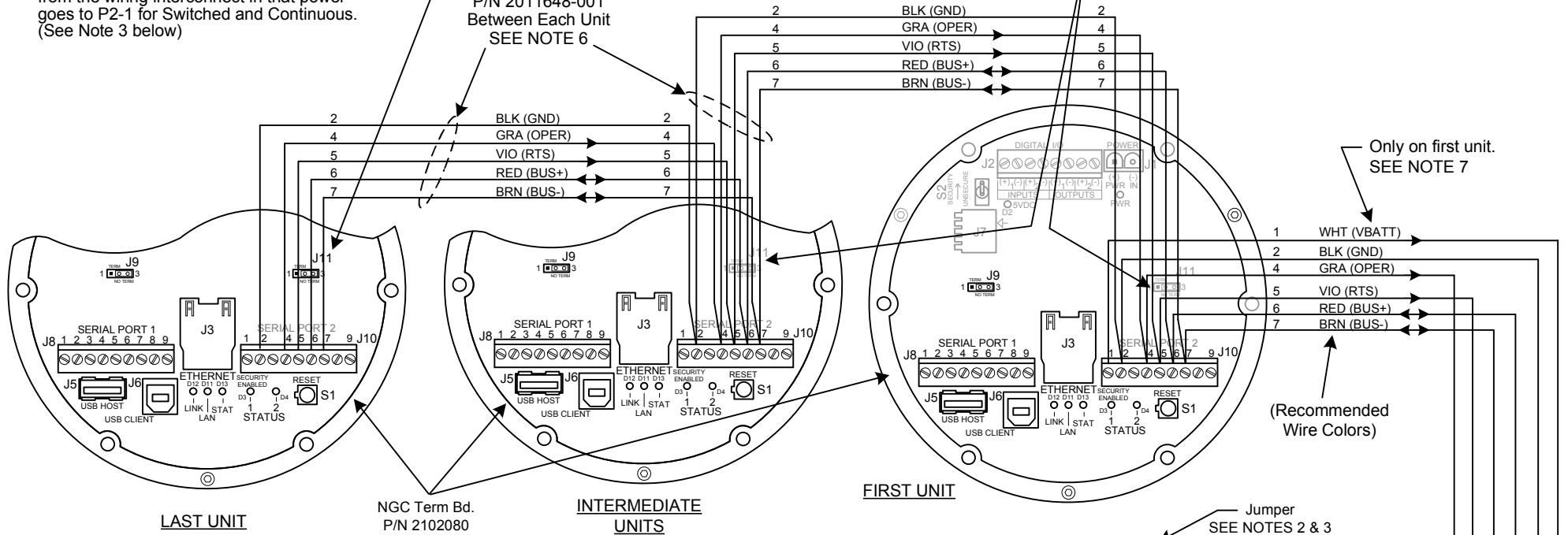
If the NCG board is the last device on the RS-485 buss, or if it is the only device, jumper J11 Pin-1 to Pin-2



If the NCG board is an intermediate device, and not the last device on the RS-485 buss, jumper J11 Pin-2 to Pin-3



Totalflow RS-485 Cable
P/N 2011648-001
Between Each Unit
SEE NOTE 6

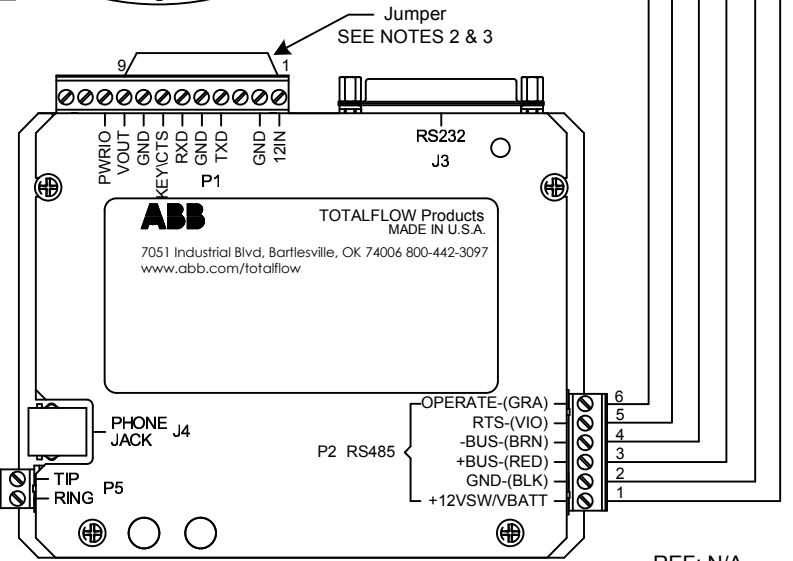


3. For Switched power or to enable Power Scheduler for UC12, remove the jumper between 1 & 9 on P1 of UC12.
4. Maximum length of RS485 bus is 4000 Ft. @9600 baud using Totalflow cable P/N 2011648-001 or equivalent.
5. Units must be daisy-chained; No Star Configurations.
6. Cable Shielding – Cable segments between units should have their shields terminated on one end only. The RS-485 Cable (P/N 2011648-001) has two shields, each with its own drain wire. When connecting multiple units together, connect the two drain wires on the first unit to one of the two ground screws on the bottom left-hand side of the enclosure. Cut the cable and terminate the wiring on the second unit but do not connect the drain wires. On the next segment between the second and third units, connect the two drain wires to the second unit but not to the third unit. Repeat this process until all units are wired.
7. 12 VOLTS VBATT (WHT wire) used to power comm device should only be attached to a single NGC unit and never daisy-chained.

J4 & P5 are the same line, J4 providing a RJ-11 phone jack and P5 providing for discrete wiring.

To phone company if using phone line.

See phone company for recommendations on surge equipment.



REF: N/A

ABB	TOTALFLOW Products	ACTION	DOC TYPE	TITLE	DWG NO.	REV	SHEET
		D19395	UD	UCI2 POWERED BY NGC8206 (2102080 BD) PORT 2 (RS-485)	2102479	AB	1 OF 1