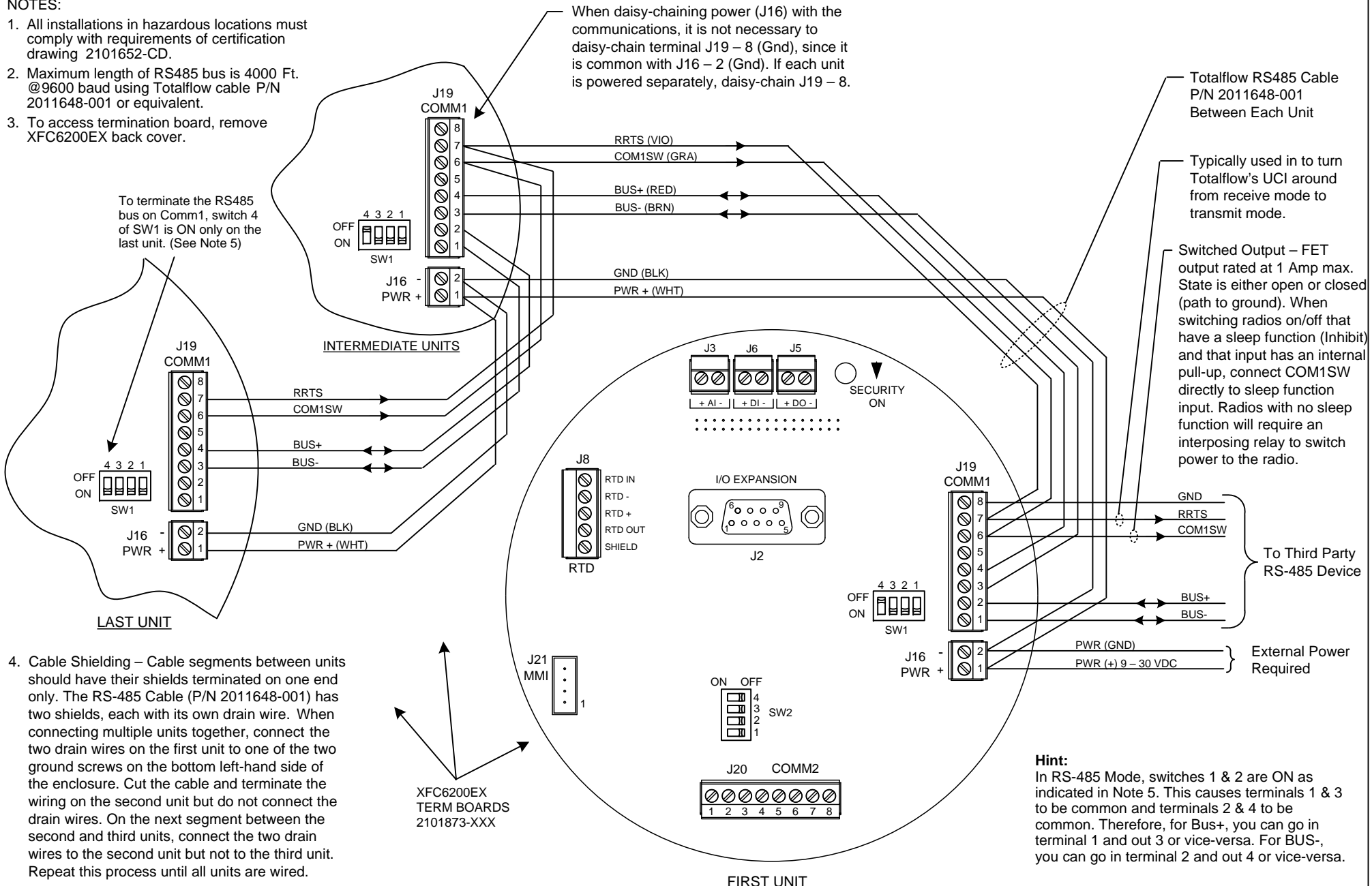


**NOTES:**

1. All installations in hazardous locations must comply with requirements of certification drawing 2101652-CD.
2. Maximum length of RS485 bus is 4000 Ft. @9600 baud using Totalflow cable P/N 2011648-001 or equivalent.
3. To access termination board, remove XFC6200EX back cover.



When daisy-chaining power (J16) with the communications, it is not necessary to daisy-chain terminal J19 – 8 (Gnd), since it is common with J16 – 2 (Gnd). If each unit is powered separately, daisy-chain J19 – 8.

Totalflow RS485 Cable P/N 2011648-001 Between Each Unit

Typically used in to turn Totalflow's UCI around from receive mode to transmit mode.

Switched Output – FET output rated at 1 Amp max. State is either open or closed (path to ground). When switching radios on/off that have a sleep function (Inhibit) and that input has an internal pull-up, connect COM1SW directly to sleep function input. Radios with no sleep function will require an interposing relay to switch power to the radio.

To Third Party RS-485 Device

External Power Required

**Hint:**  
In RS-485 Mode, switches 1 & 2 are ON as indicated in Note 5. This causes terminals 1 & 3 to be common and terminals 2 & 4 to be common. Therefore, for Bus+, you can go in terminal 1 and out 3 or vice-versa. For BUS-, you can go in terminal 2 and out 4 or vice-versa.

4. 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.

**5. SW1 and SW2 switch legend:**

SW1/COMM1 & SW2/COMM2 SETTINGS:				
	1	2	3	4
RS485 Mode	ON	ON	ON	OFF
RS485 Terminate	ON	ON	ON	ON
RS422 Mode	OFF	OFF	OFF	OFF
RS232 Mode	OFF	OFF	OFF	OFF