1. **WARNING:** This drawing does not illustrate 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. **WARNING:** Using a non-factory RS485 data cable may result in damage and may void system warranty.

3. **Maximum length of RS485 bus is 4000 Ft. @9600 baud using Totalflow cable P/N 2011648-001 or equivalent.**

4. **No Star Configurations.**

5. **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.**

6. **The Jumper at J16 of the UFLO G4 motherboard (Not shown on this page) sets the Power Options on the I/O board:**
   - For Solar & Battery Power, Jumper Pin 1 to Pin 2
   - Note: Power to J17 by ABB approved charging source.
   - For External Power Source: Jumper Pin 2 to Pin 3
   - Note: DO NOT CONNECT A BATTERY TO J15.
   - Wire external power (9 - 30 Vdc) to charger connector J17.

7. **WARNING:** Power at J17 (up to 30 Vdc) is applied to the Communication connector terminals as power for radios, etc. Radio operation and the Inhibit feature may not work properly if other than a nominal 12 Vdc power source is utilized.