NOTES:

WARNING: SUBSTITUTION OF COMPONENTS MAY IMPAIR SUITABILITY FOR HAZARDOUS LOCATIONS.

WARNING: Resistance between Intrinsically Safe Ground and earth ground shall be less than 1.5 Ohm.

1. Installations in the U.S. should be in accordance with ANSI/ISA RP12.26.01 "Installation of Intrinsically Safe Systems for Hazardous (Classified) Locations" and the latest edition of the National Electrical Code (ANSI/NFPA 70).

2. Associated apparatus must be approved by authority having jurisdiction and must be installed in accordance with manufacturers instructions.

3. The FISCO Supply, FISCO Field Devices(s) and FISCO Terminators shall be FM Approved for installations in the U.S.

4. FISCO Supply manufacturer’s installation drawing shall be followed when installing this equipment.

5. Associated apparatus parameters must meet the following requirements:

   - Sa < 3.3nF
   - Ta < 1.1nF
   - Ca < 1.1nF
   - Ci < 1.1nF
   - Li = 0mH
   - Ci = 1.1nF
   - Imax(Ii) = 250mA
   - Vmax(Ui) = 24V

6. The control room equipment connected to FISCO Supply must not generate more than 250 Vrms or Vac, or marked ‘cm’ on the associated apparatus.

7. A dust tight seal must be used at the conduit entry when the Transmitter is used in a Class II & III location.

8. Suitable separation must be maintained between input wiring and sensor wiring.

9. WARNING: DO NOT DISCONNECT EQUIPMENT WHILE LIVE UNLESS THE AREA IS KNOWN TO BE NON-HAZARDOUS.

10. Suitability for Hazardous Locations

   - Voc(Uo) = 11.8V
   - Pi = 36mW
   - Isc(Io) = 11.8mA
   - Li = 1H
   - La = 1H
   - Ca(Co) = 1.5uF
   - Po = 36mW

11. simple apparatus; passive device that does not contain energy storing components and does not generate more than 1.5V, 100mA, or 25mW.

12. other sensors can be used but must comply with

   - entity parameters (connected per manufacturers instructions)

13. single apparatus; passive device that does not contain energy storing components and does not generate more than 1.5V, 100mA, or 25mW.

14. FISCO TERMINATOR

   - TERMINALS 1 & 2
   - INPUT PARAMETERS:
     - Li = 0mH
     - Ri = 102Ω
     - Ci = 1.1nF
     - La = 1H
     - Ca(Co) = 1.5uF
     - Po = 36mW
     - Isc(Io) = 11.8mA
     - Vmax(Ui) = 24V
     - Imax(Ii) = 250mA

15. other sensors can be used but must comply with entity parameters (connected per manufacturers instructions)