

- (1) Associated apparatus which is unspecified except that it <u>must not</u> be supplied from, or contain under normal or abnormal conditions a source of potential with respect to earth in excess of 250 VRMS or 250 VDC which is considered to be the Safe Area's maximum voltage.
- (2) The Linear Output Associated Apparatus <u>must</u> be approved by the "specific" (CSA/EECS/FM/LCIE/SAA/SIRA/TUV, etc..) certifying agency for I.S. connections in "Class I-III, Division 1, Groups A-G" or "Zone 0" locations. The output voltage (Voc, Vt or Vo) <u>must not</u> exceed 30 VDC, the output current (lsc, lt or lo) <u>must not</u> exceed 110 mA and, the output power (Po) must not exceed 0.825W (Pi). Also, it <u>must</u> be installed per the manufacturer's guidelines. <u>A Shunt Zener Barrier is NOT required for Non-Incendive (or Class I, Division 2 or Type N) installations.</u>
- (3) The combined Capacitance and Inductance of the inter-connecting cables and the PC Prog. Transmitters <u>must not</u> exceed the values indicated on the Associated Apparatus.
- 4- For FM applications, installation <u>must</u> be in accordance to "ANSI/ISA-RP12.06.01" (Installation of I.S. Systems for Hazardous 'Classified' Locations) and the National Electric Code 'ANSI/NFPA 70'. Also, a dust-tight conduit seal <u>must</u> be used when installed in Class II and Class III environments. For CSA applications, adhere to the 'Canadian Electric Code C22.1' most current publication on I.S. installation guidelines. For CENELEC/ATEX applications, adhere to 'EN 60079-14:1997' or any equivalent, most current and pertaining publication on I.S. installation guidelines.
- 5- <u>Warning:</u> Substitution of components may impair the unit's Intrinsic Safety & suitability for Class I, Division 2 areas. <u>DO NOT</u> open or service the unit when either energized or if an explosive gas/dust atmosphere is present. Disconnect power before servicing. Also read, understand and adhere to the manufacturer's installation and operating procedures.
- 6- The maximum power parameters of the COM port (to be used only in safe/non-hazardous areas) are: Vmax = 3.0 VDC, Imax = 300 µA, Pmax = 240 µW.