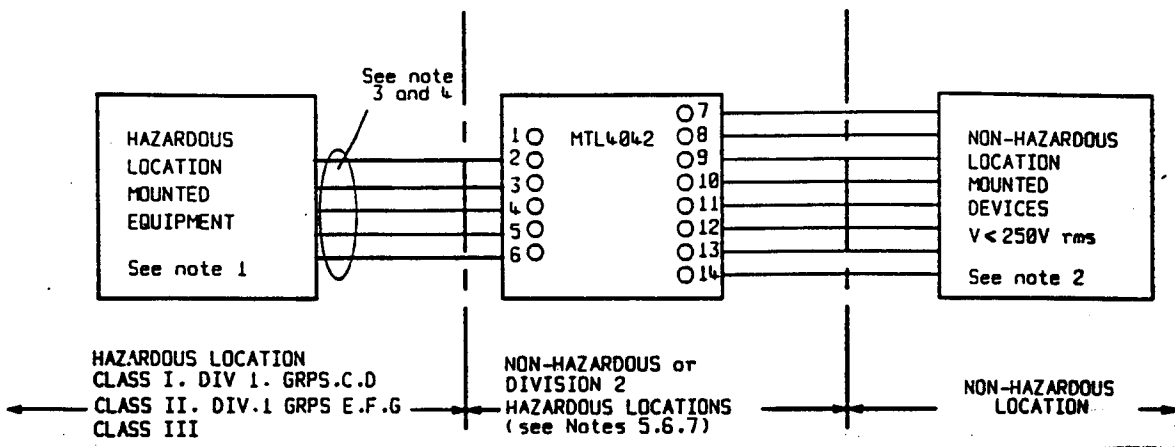


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Note 1 The Hazardous Location equipment may be switches or thermocouples. Other apparatus such as RTD's, LEDs and non-inductive resistors may also be used if the autoignition temperatures of the hazardous location is greater than T4 (275°F or 135°C). Certified devices with the correct Entity Concept Parameters may also be used.

Note 2 The Non-Hazardous Location (or Control Room) equipment must not generate or use more than 250 volts r.m.s

Note 3 For guidance on the installation see ANSI/ISA RP12.6

Note 4 Entity concept Parameters for the MTL4042 are as follows:-

$$V_{oc} \leq 28V \quad I_{sc} \leq 185.5mA$$

Groups C and E	Ca ≤ 0.39μF	La ≤ 4.5mH
Groups D,F and G	Ca ≤ 1.04μF	La ≤ 12.0mH

Note 5 The MTL4042 is Associated Apparatus and when mounted in the appropriate enclosure (See notes 6 and 17) is suitable for installation in the following areas:-

- Non-Hazardous Locations
- Class I, Division 2, Groups C and D Hazardous Locations
- Class II, Division 2, Groups F and G Hazardous Locations
- Class III, Division 2 Hazardous Locations

Note 6 Associated Apparatus must be installed in accordance with the National Electrical Code in an enclosure meeting the requirements of ANSI/ISA-S82.

System Certificate No:	Scale
Certifying Authority: Factory Mutual	Sheet 1 of 2
Title Installation Drawing for the MTL4042 4-20mA Transmitter Power Supply	Drg. No. SCI-503

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Iss	Date	Drn	Modification	No	Cl	Ckd

Note 7 Use FMRC Approved or NRTL Listed dust-ignition proof enclosure(s) appropriate for environmental protection in Class II, Division 2, Groups F and G; Class III Division 2 Hazardous Locations.

Note 8 For use in Division 2 Hazardous Locations, the MTL4042 must be installed in Factory Mutual Research Corporation Approved Backplanes.

When the MTL4042 is installed in Division 2 Hazardous Locations warning label must be prominently affixed near the unit(s) which warns that the MTL4042 must not be removed or inserted unless the area is known to be non-hazardous.

System Certificate No: N/A	Scale N/A
Certifying Authority: Factory Mutual	Sheet 2 of 2
Title Installation Drawing for the MTL4042 4/20mA Transmitter Power Supply	SCI-503