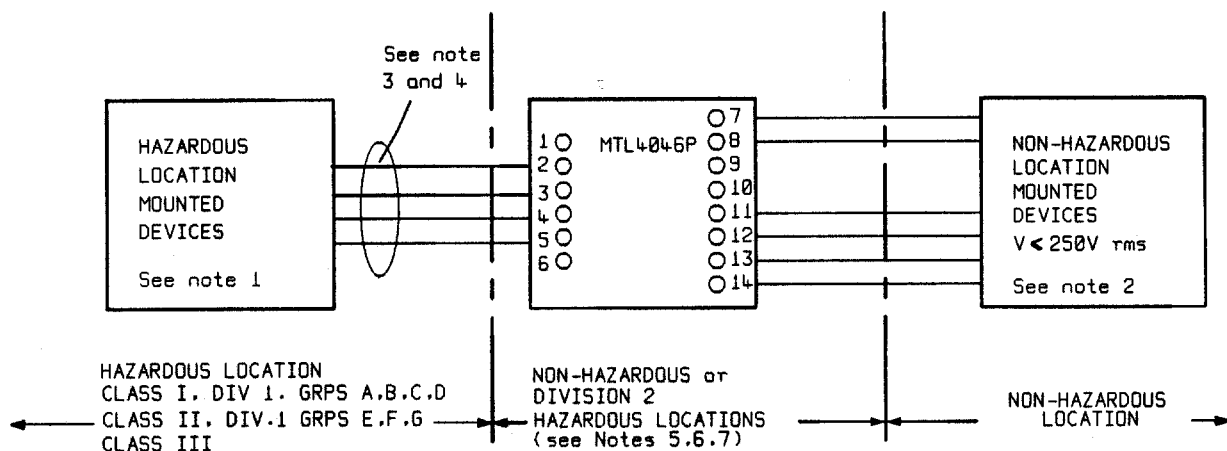


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Note 1 The Hazardous location devices may be switches or thermocouples. Other apparatus such as RTD's LEDs and non-inductive resistors may be used if the auto-ignition temperature of the hazardous location is greater than T4 (275°F or 135°C). Certified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

Note 2 The Non-Hazardous Location (or Control room) devices must not generate voltages in excess of 250V rms or d.c.

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

Note 4 Entity Parameters for the MTL4046P are as follows:

Terminals 2 or 3 to Terminals 4 or 5
 $V_{oc} \leq 28.0$ $I_{sc} \leq 117mA$

Groups A and B	Ca $\leq 0.14\mu F$	La $\leq 2.6mH$
Groups C and E	Ca $\leq 0.42\mu F$	La $\leq 11.2mH$
Groups D,F and G	Ca $\leq 1.14\mu F$	La $\leq 21.9mH$

Note 5 The MTL4046P is Associated apparatus and when mounted in the appropriate enclosure (see notes 6 and 7) is suitable for installation in the following areas:-

Non-Hazardous Locations

Class I, Division 2, Groups A,B,C and D Hazardous locations

Class II, Division 2, Groups E,F,G Hazardous Locations

Class III, Division 2 Hazardous Locations.

System Certificate No: N/A

Scale N/A

Certifying Authority: Factory Mutual

Sheet 1 of 2

Title Installation Drawing for the MTL4046P
 High Power Isolating Driver for
 Hart Valve Positioners

Drg. No.
 SCI-471

Iss Date	Drn	Modification	No	Cl	Ckd
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Note 6 Associated Apparatus must be installed in accordance with the National Electrical Code in an enclosure meeting the requirements of ANSI/ISA-S82.

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 Divisions 2 Hazardous Locations.

Note 8 For use in Division Hazardous Locations, the MTL4046P must be installed in Factory Mutual Research Corporation Approved Backplanes.

When the MTL4046P is installed in Division 2 Hazardous Locations, a warning label must be prominently affixed near the unit(s) which warns that the MTL4046P 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 MTL4046P High Power Isolating Driver for HART Valve Positioners		SCI-471