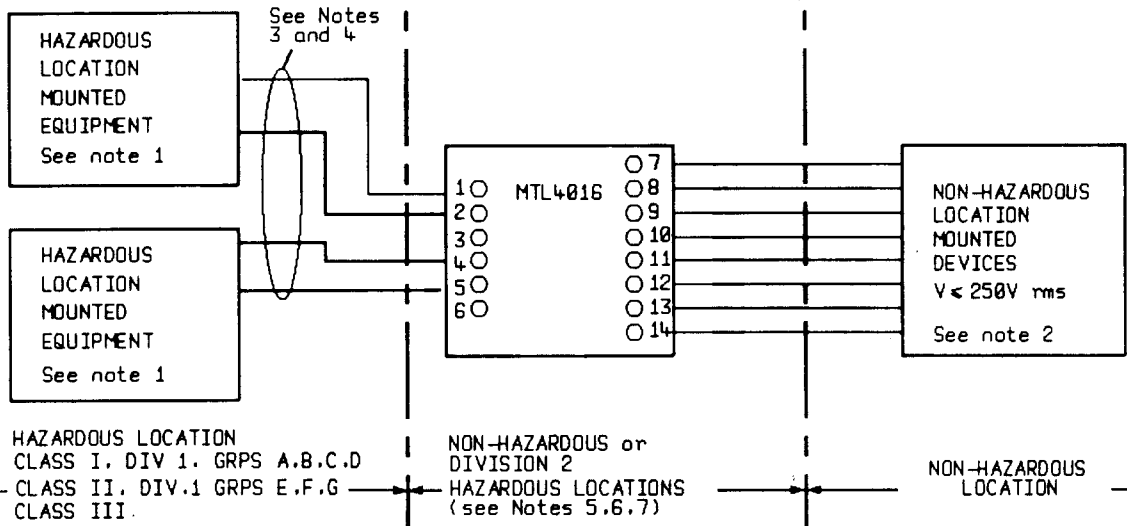


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Note 1 The Hazardous Location equipment may be switches or thermocouples. Other apparatus such as RTDs, LEDs and non-inductive resistors may be used if the autoignition temperature of the hazardous location is greater than T4 (275°F or 135°C). Certified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

Note 2 The Non-Hazardous Location (or Control Room) 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 each channel, i.e channel 1 (terminals 1 & 2), channel 2 (terminals 4 & 5) of the MTL4016 are as follows.

Terminal 1 wrt 2/3 $V_{oc} \leq 10.5V$
Terminal 4 wrt 5/6 $I_{sc} \leq 14mA$

Groups A and B	$C_a \leq 2.4\mu F$	$L_a \leq 165mH$
Groups C and E	$C_a \leq 7.2\mu F$	$L_a \leq 495mH$
Groups D,F and G	$C_a \leq 19.2\mu F$	$L_a \leq 1320mH$

Note 5 The MTL4016 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 F and G Hazardous Locations
- Class III, Division 2 Hazardous Locations

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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 Division 2 Hazardous Locations.

Note 8 For use in Division 2 Hazardous Locations, the MTL4016 must be installed in Factory Mutual Research Corporation Approved Backplanes.

When the MTL4016 is installed in Division 2 Hazardous Locations, a warning label must be prominently affixed near the unit(s) which warns that the MTL4016 must not be removed or inserted unless the area is known to be non-hazardous.

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