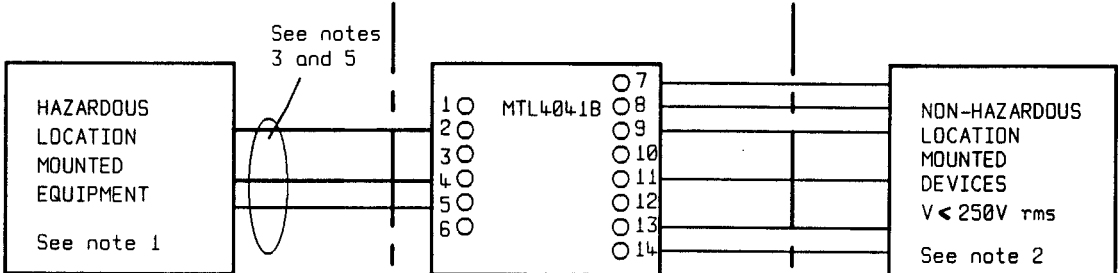
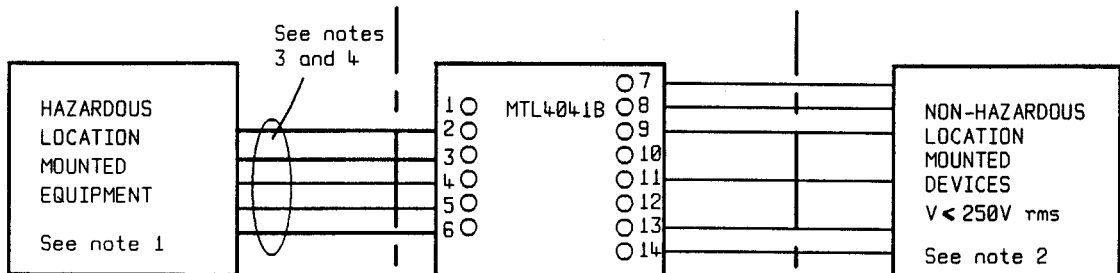


No	Cl	Ckd			
Modification					
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Second connection diagram added: New note 5 added; Subsequent notes renumbered					
Drn					
Date					
Iss					
1	3-93	ACH			
2	2-95	ACH			



← HAZARDOUS LOCATION CLASS I, DIV 1, GRPS A,B,C,D CLASS II, DIV.1 GRPS E,F,G CLASS III →

NON-HAZARDOUS or DIVISION 2 HAZARDOUS LOCATIONS (see Notes 5,6,7)

← NON-HAZARDOUS LOCATION →

**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 Parameters for the MTL4041B at terminals 2 and 5 to terminal 6 are as follows:-

$$V_t \leq 28V \quad I_t \leq 141mA$$

Groups A and B	$C_a \leq 0.13\mu F$	$L_a \leq 1.94mH$
Groups C and E	$C_a \leq 0.39\mu F$	$L_a \leq 7.83mH$
Groups D,F and G	$C_a \leq 1.04\mu F$	$L_a \leq 14.9mH$

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**Note 5** Entity Parameters for the MTL4041B at terminal 2 to terminals 4 and 5 are as follows:

$$V_t \leq 28V \quad I_t \leq 93mA$$

Groups A an B	$Ca \leq 0.13\mu F$	$La \leq 4.2 mH$
Groups C and E	$Ca \leq 0.39\mu F$	$La \leq 12.6mH$
Groups E,F and G	$Ca \leq 1.04\mu F$	$La \leq 33.6mH$

**Note 6** The MTL4041B is Association Apparatus and when mounted in the appropriate enclosure (see notes 7,8 and 9) 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

**Note 7** The MTL4041B is Associated Apparatus and when mounted in the appropriate enclosure (see notes 6 and 7) s 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

**Note 8** Associated Apparatus must be installed in accordance with the National Electrical Code in an enclosure meeting the requirements of ANSI/ISA-S82.

**Note 9** 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 10** For use in Division 2 Hazardous Locations, the MTL4041B must be installed in Factory Mutual Research Corporation Approved Backplanes.

When the MTL4041B is installed in Division 2 Hazardous Locations a warning label must be prominently affixed near the unit(s) which warns that the MTL4041B must not be removed or inserted unless the area is known to be non-hazardous.

Iss	Date	Drm	Modification	Ckd	C1	Ckd
1	3-93	ACH				
2	2-95	ACH				

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