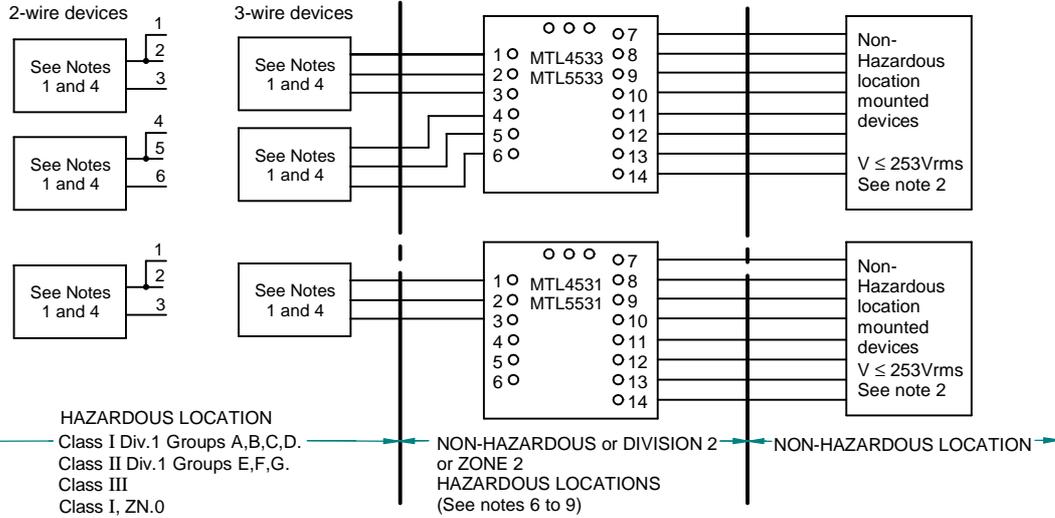




Iss	Date	Drn	Modification
1	11.10	CMB	
2	7.16	CMB	Addition of Zone 0 & Zone 2 references.

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**Note 1**

The Hazardous Location Mounted Equipment may be switches, or Certified devices with 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 253Vrms or Vdc.

**Note 3**

For guidance on the installation see ANSI/ISA RP 12.6.

**Note 4**

Entity parameters for the terminal 1 with respect to 2 & 3, and terminal 4 with respect to 5 & 6 (MTL45/5533 only) are as follows:-

Voc = 26.6V and Isc = 94mA

Groups A and B	Ca ≤ 0.094µF	La ≤ 4.02mH
Groups C,E, F and G	Ca ≤ 0.73µF	La ≤ 16.09mH
Group D	Ca ≤ 0.42µF	La ≤ 32.19mH

**Note 5**

The MTL4531/MTL4533 and the MTL5531/MTL5533 are Associated apparatus and when mounted in the appropriate enclosure (see notes 7 and 8) is suitable for the following areas:

- Non - Hazardous Locations
- Class I Division 2 Groups A,B,C and D Hazardous Locations
- Class I Zone 2 Hazardous Locations
- Class II, Division 2, Groups F,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.

**Note 7**

Use FMRC Approved 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 MTL4531 and MTL4533 must be installed on Factory Mutual Research Corporation Approved Backplanes.

When the MTL4531/MTL4533 and the MTL5531/MTL5533 are installed in Division 2 Hazardous Locations, a warning label must be prominently affixed near the unit (s) which warns that the MTL4531/MTL4533 and the MTL5531/MTL5533 must not be removed or inserted unless the area is known to be non-hazardous.

**Note 9**

Installations in Canada must comply with the Canadian Electrical Code.

**Note 10**

For Zone 2 locations, the final enclosure must be at least IP54 or equivalent.

**Note 11**

For Zone 2 locations, the external transient protection must be set at 49V or less.

System Certificate No:	Drn. By N/A	Scale N/A
Certifying Authority: Factory Mutual	Drn. Date 11.10	Sheet 1 of 1
Title Installation Drawing for the MTL4531 and MTL4533 and MTL5531 and MTL5533	Drg. No. SCI-1056	