Dimensions in mm | Do Not Scale | Third Angle Projection

Iss	Date	Drn	Modification
1	12.10	CMB	
2	7.16	CMB	Addition of Zone 0 & Zone 2 references.

MEASUREMENT TECHNOLOGY LTD
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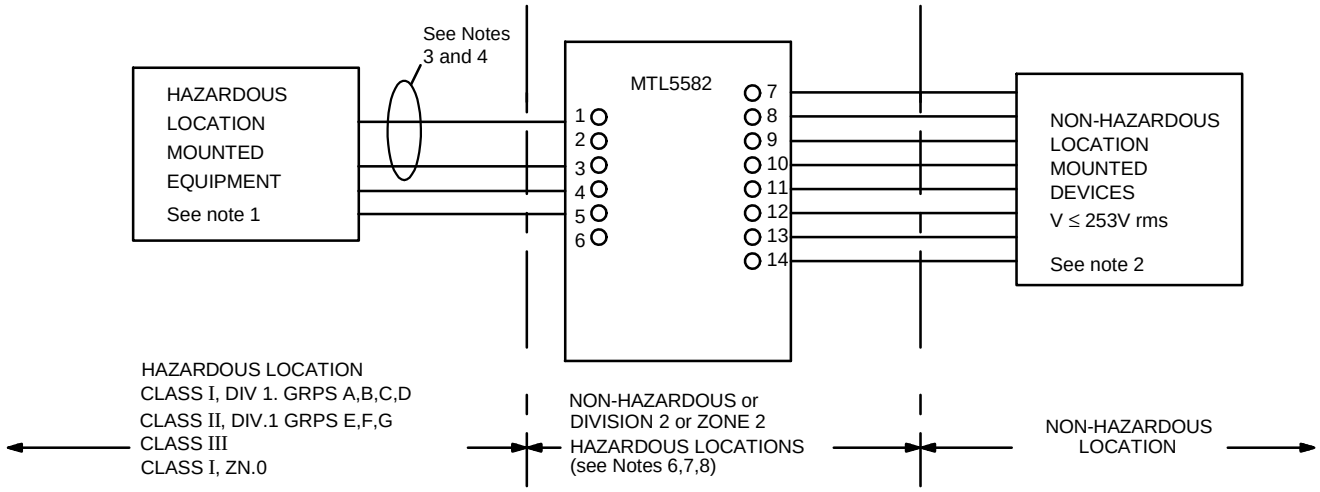

Note 1
The Hazardous location equipment may be switches or thermocouples. Other apparatus such as RTD's, LEDs and non-inductive resistors may also be used if the auto-ignition temperature of the hazardous location is greater than T4 (275℉ or 135℃) .
Certified devices with correct Entity Concept parameters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

Note 2
The Non-Hazardous Location (or Control room) equipment must not generate or use more than 253Vrms.

Note 3
For guidance on the installation see ANSI/ISA RP 12.6.

Note 4
Entity Concept Parameters for terminals 1 w.r.t 3/4/5 of the MTL5582 are as follows :-

Voc ≤ 6.6V Isc ≤ 42mA (All groups).

Groups A and B	Ca ≤ 22µF	La ≤ 20.1mH
Groups C and E	Ca ≤ 500µF	La ≤ 80.6mH
Groups D,F and G	Ca ≤ 1000µF	La ≤ 161.2mH

Note 5
The MTL5582 is Associated Apparatus and when mounted in the appropriate enclosure (see notes 7 and 8) is suitable for installation in 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 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 MTL5582 must be installed on Factory Mutual Research Corporation Approved Backplanes.

When the MTL5582 is installed in Division 2 Hazardous Locations, a warning label must be prominently affixed near the unit (s) which warns that the MTL5582 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 12.10	Sheet 1 of 1
Title: Installation Drawing for the MTL5582		Drg. No. SCI-1057