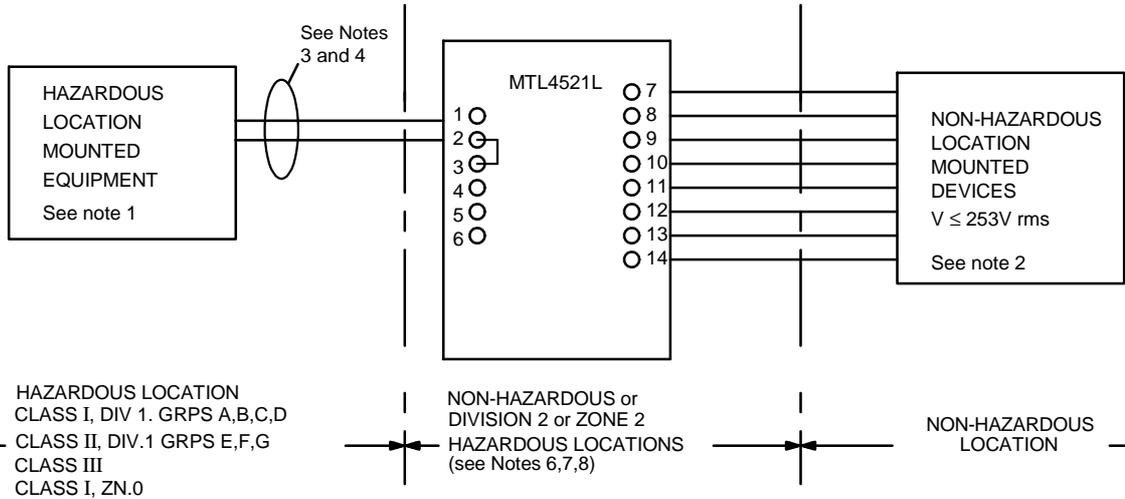




Iss	Date	Drn	Modification
1	11.10	CMB	
2	7.16	CMB	Addition of Zone 0 & Zone 2 references.

MEASUREMENT TECHNOLOGY LTD
Luton, England
Copyright Reserved - Written Permission
to Copy Should be Obtained



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°F or 135°C). 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 2/3 of the MTL4521L are as follows :-

Voc ≤ 25.0V Isc ≤ 108mA (All groups).

Groups A and B	Ca ≤ 0.17µF	La ≤ 3mH
Groups C and E	Ca ≤ 0.51µF	La ≤ 9mH
Groups D,F and G	Ca ≤ 1.36µF	La ≤ 24mH

Note 5

The MTL452L 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 MTL4521L must be installed on Factory Mutual Research Corporation Approved Backplanes.

When the MTL4521L is installed in Division 2 Hazardous Locations, a warning label must be prominently affixed near the unit (s) which warns that the MTL4521L 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 MTL4521L	Drg. No. SCI-1055	