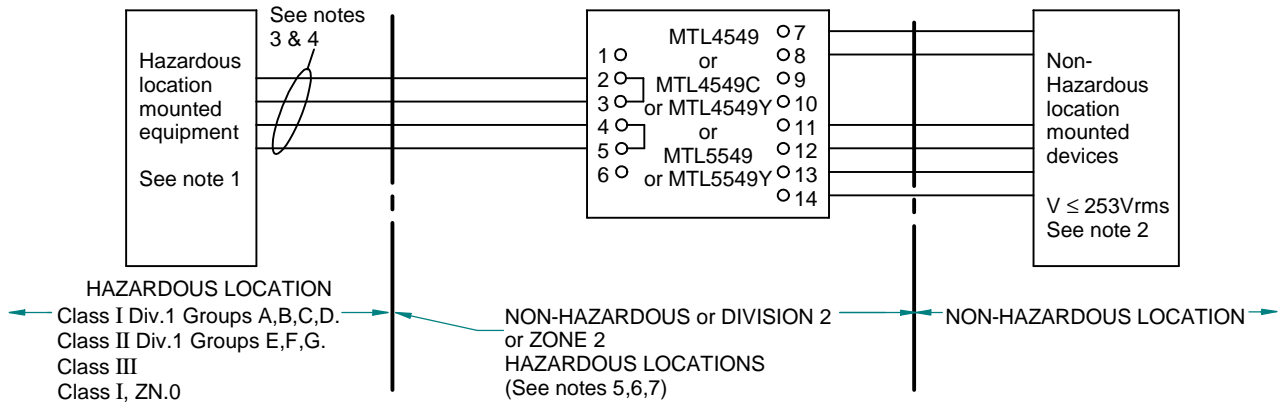




Iss	Date	Drn	Modification
5	7.16	CMB	Addition of Zone 0 & Zone 2 references.

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 temperatures of the hazardous location is greater than T4 (275°F or 135°C). Certified devices with correct Entity Concept parameters may also be used. For installations in Canada, this equipment must be FM approved for Canada or CSA certified.

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 MTL4549 at terminals 2 and 3 with respect to terminals 4 and 5 are as follows :-

$V_{oc} = 28V$ $I_{sc} = 93mA$

Groups A and B	$C_a \leq 0.13\mu F$	$L_a \leq 4.2mH$
Groups C and E	$C_a \leq 0.39\mu F$	$L_a \leq 12.6mH$
Groups D,F and G	$C_a \leq 1.04\mu F$	$L_a \leq 33.6mH$

Note 5

The MTL4549 is Associated apparatus and when mounted in the appropriate enclosure (see notes 6,7 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 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 MTL4549 must be installed on Factory Mutual Research Corporation Approved Backplanes.

When the MTL4549 is installed in Division 2 Hazardous Locations a warning label must be prominently affixed near the unit (s) which warns that the MTL4549 must not be removed or inserted unless the area is known to be non-hazardous.

Note 9

Where reference is made to MTL4549 in Notes 1 to 8 above, this also includes MTL4549C, MTL4549Y, MTL5549 and MTL5549Y.

Note 10

Installations in Canada must comply with the Canadian Electrical Code.

System Certificate No:	Drn. By N/A	Scale N/A
Certifying Authority: Factory Mutual	Drn. Date 7.09	Sheet 1 of 1
Title Installation Drawing for the MTL4549	Drg. No. SCI-1030	