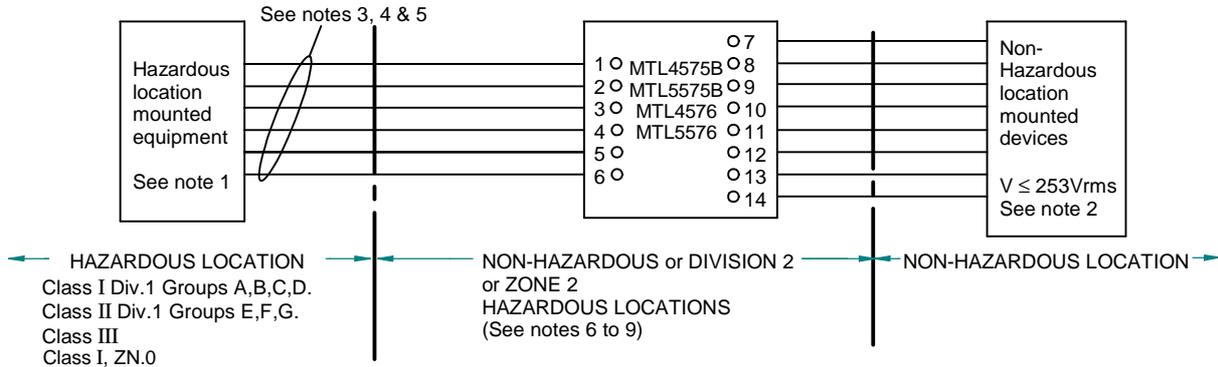




| Iss | Date  | Drn | Modification                            |
|-----|-------|-----|---|
| 1   | 11.09 | CMB |   |
| 2   | 7.16  | CMB | Addition of Zone 0 & Zone 2 references. |

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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 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.

**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 terminals 1, 2 & 3 or 4, 5 & 6 of the MTL4575B, MTL5575B, MTL4576 or the MTL5576 are as follows :-

$V_o \leq 6.6V$   $I_o \leq 28mA$

| Groups    | Ca                    | La                |
|-----------|-----------------------|-------------------|
| A and B   | $Ca \leq 22.0\mu F$   | $La \leq 20.1mH$  |
| C and E   | $Ca \leq 500.0\mu F$  | $La \leq 80.6mH$  |
| D,F and G | $Ca \leq 1000.0\mu F$ | $La \leq 161.2mH$ |

**Note 5**

Entity parameters for the terminals 1 and 3 or 6 and 4 only of the MTL4575B, MTL5575B, MTL4576 or the MTL5576 are as follows :-

$V_{oc} \leq 1.2V$   $I_{sc} \leq 4mA$

| Groups    | Ca                 | La              |
|-----------|--------------------|-----------------|
| A and B   | $Ca \leq 50\mu F$  | $La \leq 500mH$ |
| C and E   | $Ca \leq 500\mu F$ | $La \leq 500mH$ |
| D,F and G | $Ca \leq 500\mu F$ | $La \leq 500mH$ |

**Note 6**

The MTL4575B, MTL5575B, MTL4576 and the MTL5576 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 7**

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

**Note 8**

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 9**

For use in Division 2 Hazardous Locations, the MTL4575B and the MTL4576 must be installed on Factory Mutual Research Corporation Approved Backplanes.

When the MTL4575B and the MTL4576 are installed in Division 2 Hazardous Locations, a warning label must be prominently affixed near the unit (s) which warns that the MTL4575B and the MTL4576 must not be removed or inserted unless the area is known to be non-hazardous.

**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 11.09      | Sheet 1 of 1 |
| Title<br>Installation Drawing for the MTL4575B, MTL5575B, MTL4576 and MTL5576 | Drg. No.<br>SCI-1053 |              |