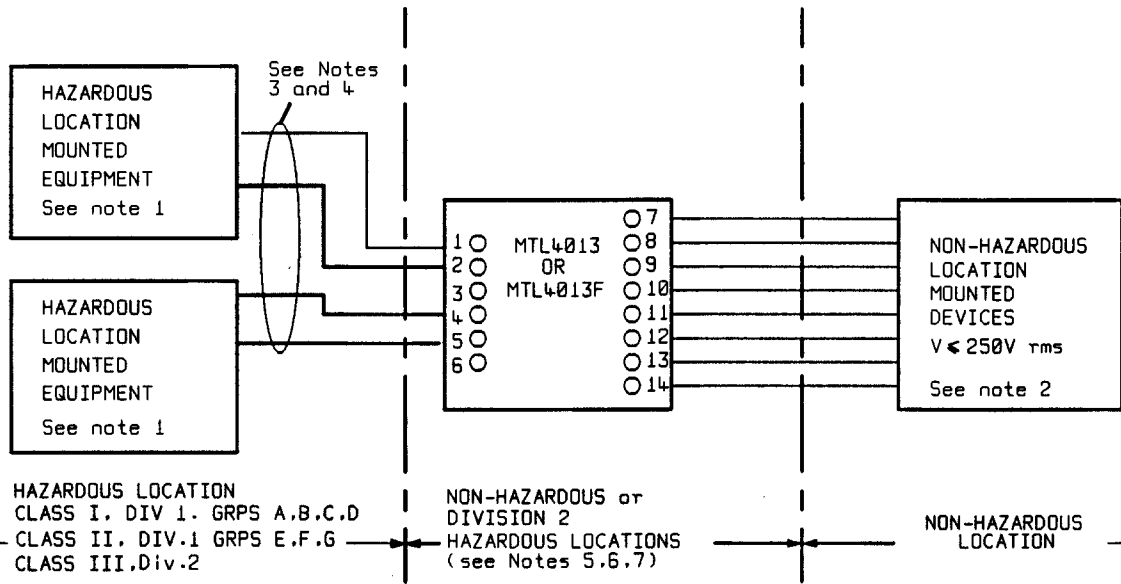


| | | |
|--------------|------|-----|
| No | Cl | Ckd |
| Modification | | |
| Iss | Date | Drn |
| 1 | 9-92 | ACW |
| 2 | 9-94 | ACW |
| 4013F added. | | |



HAZARDOUS LOCATION
CLASS I, DIV 1, GRPS A,B,C,D
CLASS II, DIV.1 GRPS E,F,G
CLASS III, Div.2

NON-HAZARDOUS or
DIVISION 2
HAZARDOUS LOCATIONS
(see Notes 5,6,7)

NON-HAZARDOUS
LOCATION

Note 1 The Hazardous Location equipment may be switches or thermocouples. Other apparatus such as RTDs, LEDs and non-inductive resistors may be used if the autoignition temperature of the hazardous location is greater than T4 (275°F or 135°C). Certified devices with the 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 250 volts r.m.s.

Note 3 For guidance on the installation see ANSI/ISA RP12.6.

Note 4 Entity Concept Parameters for each channel, i.e channel 1 (terminals 1 & 2), channel 2 (terminals 4 & 5) of the MTL4013 and MTL4013F are as follows.

Terminal 1 wrt 2/3 Voc 10.5V
Terminal 4 wrt 5/6 Isc 14mA

| | | |
|------------------|-----------|-----------|
| Groups A and B | Ca 2.4µF | La 165mH |
| Groups C and E | Ca 7.2µF | La 495mH |
| Groups D,F and G | Ca 19.2µF | La 1320mH |

Note 5 The MTL4013 and MTL4013F are Associated Apparatus and when mounted in the appropriate enclosure (See notes 6 and 7) are suitable for installation in the following areas:-

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

| | | | |
|------------------------|---|----------|---------|
| System Certificate No: | N/A | Scale | N/A |
| Certifying Authority: | Factory Mutual | Sheet | 1 of 2 |
| Title | Installation Drawing for the MTL4013 and MTL4013F | Drg. No. | SCI-348 |

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

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 MTL4013 and MTL4013F must be installed in FMRC Approved Backplanes.

When the MTL4013 and MTL4013F are installed in Division 2 Hazardous Locations, a warning label must be prominently affixed near the unit(s) which warns that the MTL4013 and MTL4013F must not be removed or inserted unless the area is known to be non-hazardous.

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

| Iss | Date | Drn | Modifcation | No | Cl Ckd |
|-----|------|-----|--------------|----|--------|
| 1 | 9.92 | ACW | | | |
| 2 | 9.94 | ACW | 4013F added. | | |

| | | | |
|--|--|---------|--------|
| System Certificate No: N/A | | Scale | N/A |
| Certifying Authority: Factory Mutual | | Sheet | 2 of 2 |
| Title Installation Drawing for the MTL4013 and MTL4013F | | SCI-348 | |