

MEASUREMENT TECHNOLOGY LTD.
Luton, England
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Dimensions in mm

Do not Scale, See note 4 for cable parameters Third Angle Projection

Drg. No. SCI-36

Hazardous Location Apparatus See Note 1

- 1 o MTL 2210B 1-channel
- 2 o Switch operated
- 3 o Relay
- 4 o
- 5 o
- 6 o Maximum ambient
- 7 o temperature 60°C
- 8 o

- o 9
 - o 10
 - o 11
 - o 12
 - o 13
 - o 14
 - o 15
 - o 16
- Non-hazardous location devices V ≤ 250V max

This may be connected within the safe area

Optional link, may be located in hazardous location

Note No ground required

← Hazardous location →

← Non-hazardous location →

Classes I, II and III Div 1, Groups A, B, C, D, E, F and G

Note 1 The following non-energy producing hazardous location devices are approved for use with the MTL 2000 units:- switches, non-inductive resistors and RTDs, and thermocouples having a maximum output of 1 volt.

Note 2 For guidance on the installation see ANSI/ISA RP 12.6

Note 3 The maximum relay contact ratings are:- AC-250V, 5A, 500VA; DC-250V, 5A, 250 watts.

Note 4 The field wiring must be within the following limits:-

Gas Groups	Series Inductance (La)	Shunt Capacitance (Ca)
A & B	47mH	7µF
C	190mH	21µF
D	370mH	56µF

Certifying Authority: Factory Mutual

Iss. Date / Drawn	1 2.81/DRG
Modification	2
	3

Used on	Scale
Tolerance unless otherwise stated †	Sheet 1 of 1
Title Installation diagram for the MTL 2210B 1-channel switch operated relay 24V d.c., 120V or 240V a.c.	Drg. No. SCI-36