



Certificate of Compliance

Certificate Number: LR 79120-2

Revision: LR 79120-5

Date Issued: December 23, 1994

Issued To: **MANUFACTURING ELECTRICAL DESIGN
CONSULTANTS LTD.
T/A MEDC
COLLIERY RD.
PINXTON, NOTTINGHAM NG1G 6JF
ENGLAND**

The products listed below are eligible to bear the CSA Mark.

Issued By: R. Wildish
Toronto, ON Canada

Signature

CLASS 3218 06 - INDUSTRIAL CONTROL EQUIPMENT - Miscellaneous Apparatus
- For Hazardous Locations

PRODUCTS

Class I, Groups A, B, C and D:

Series SM87 range pushbutton units, Models SM87-BGL, -BGP, -PBL, -PBM and -LBGL, supply 24V dc, 2A max; intrinsically safe when connected through CSA Certified zener barrier rated 28V max, 300 ohm's min or 22V max, 150 ohm's min. CSA Encl Type 4.



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APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No.	94-M91	-	Special Purpose Enclosures
CSA Std C22.2 No.	142-M1987	-	Process Control Equipment
CSA Std C22.2 No.	157-M1987	-	Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations

MARKINGS

- Company Name
- Model number
- Serial number
- Electrical rating
- Hazardous Location designation
- Special purpose enclosure designation, "Type 4"
- CSA Monogram
- The Symbol Exia
- The words "INTRINSICALLY SAFE/SECURITE INTRINSEQUE"
- A statement re Intrinsic Safety

FACTORY TESTS

The equipment at the conclusion of manufacture and before shipment, shall withstand for one min, without breakdown, the application of the following ac potential:

500V between extra low potential live parts and exposed non-current-carrying metal parts or ground terminal, if such circuits leave or enter the enclosure.

Notes:

1. As an alternative, potentials 20 percent higher may be applied for one second.
2. Where it is more convenient to do so, the dielectric strength test may be made by applying a direct current voltage instead of an ac voltage, provided that the voltage used is 1.414 times the values specified above.
3. The test specified above shall be waived on grounded or Class 2 circuits.