CSA INTERNATIONAL

Certificate of Compliance

Certificate: 1361000 (LR 28549) **Master Contract:** 152564

Project: 1361000 (Edition 1) **Date Issued:** March 20, 2003

Issued to: **Moore Industries - International,**
16650 Schoenborn Street
Sepulveda, CA
USA

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US'

C US

Issued by: Patrick Conway C.E.T.
Certification Specialist

Authorized by: Terry Nagy
Operations Manager

PRODUCTS

CLASS 2258-04 PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations

Class I, Division 1, Groups A, B, C and D

CLASS 2258-84 PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations - Certified to US Standards

Class I, Zone 0, AEx ia IIC T5/T6

Programmable Loop Display models SPD and SPD-BL. Intrinsically Safe when installed as per Moore Industries Field Installation Drawing 100-100-66. Temperature Code T6 @ 60°C, T5 @ 85°C; Ambient Temperature Range: -40°C to 85°C. Enclosure Type 4X & IP66

Entity Parameters:

Vmax = 30Vdc Imax = 110mA Pmax = 550mW Ci = 0ηF Li = 0μH

The 'C' and 'US' indicators adjacent to the CSA Mark signify that the product has been evaluated to the applicable CSA and ANSI/UL Standards, for use in Canada and the U.S., respectively. This 'US' indicator includes products eligible to bear the 'NRTL' indicator. NRTL, i.e. National Recognized Testing Laboratory, is a designation granted by the U.S. Occupational Safety and Health Administration (OSHA) to laboratories which have been recognized to perform certification to U.S. Standards.

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CLASS 2258-02 PROCESS CONTROL EQUIPMENT - For Hazardous Locations
CLASS 2258-82 PROCESS CONTROL EQUIPMENT - For Hazardous Locations - Certified to US Standards

Class II, Division 1, Groups E, F, and G; Class II, Division 2, Groups F and G; Class I, Division 2, Groups A, B, C, and D; Class III, Divisions 1 & 2

Programmable Loop Display models SPD and SPD-BL. Rated at 30Vdc, 110mA, 550mW. Temperature Code T6 @ 60°C, T5 @ 85°C; Ambient Temperature Range: -40°C to 85°C. Enclosure Type 4X & IP66
To be installed as per Moore Industries Field Installation Drawing 100-100-66.

APPLICABLE REQUIREMENTS

CAN/CSA C22.2 No. 0-M1991	-	General Requirements – Canadian Electrical Code Part II.
0.4-M1982	-	Bonding and Grounding of Electrical Equipment (Protective Grounding)
25-1966	-	Enclosures for use in Class II Groups E, F, and G Hazardous Locations.
94-M1991	-	Special Purpose Enclosures
142-M1987	-	Process Control Equipment
157-M1992	-	Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations
213-M1987	-	Non-Incendive Electrical Equipment for Use in Class I Division 2 Hazardous Locations
EN60529 : 1992	-	Degree of protection provided by enclosures – IP Code (used as a guide)
FM3600	-	Electric Equipment for use in Hazardous (Classified) Locations. General Requirements
FM3610	-	Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, & III Division 1 and Class I, Zone 0 & 1 Hazardous (Classified) Locations.
FM3611	-	Nonincendive Electrical Equipment for Use in Class I and II Division 2 and Class III Divisions 1 and 2 Hazardous (Classified) Locations.

CONDITIONS OF ACCEPTABILITLY

SPD-BL must have the optional backlight powered from an Intrinsic Safety Barrier. This circuit must enter the SPD enclosure via a separate conduit. A minimum spacing of 2mm must be maintained between all backlight circuits and the loop powered circuits.

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Supplement to Certificate of Compliance

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The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.

Product Certification History

Project	Date	Description
1361000	March 20, 2003	Original Certification of Programmable Loop Display models SPD and SPD-BL.