

OFFICE	PACIFIC REGION, Richmond, B.C.	REPORT No.	LR 28549-35
DATE	April 18, 1986.	BY	Richard L. LeBlanc, P. Eng. Reviewed By: K. Collins, P. Eng.

SUBMITTOR

MOORE INDUSTRIES INC.  
16650 Schoenborn St.  
Sepulveda, CA 91343

Attention: Mr. Larry Lancto

PRODUCT

Class No. 2258 02

**FACTORY COPY**

Supplementary Certification to cover the combination of any two of the following Data Transmitters and Signal Conditioners installed inside the same enclosure, Models ACX, FDX, FFX, MVX, PTX, RBX, SRX, TCX, rated input 12-24V dc, output 4-20mA or 10-50mA, SCX rated input 5.5V dc, 4-020mA or 10-50mA optional, output 4-20mA or 10-50mA, ALX, DVX, and ITX, rated input 7V dc max, 4-20mA/10-50mA; for use in Class I, Groups B, C, and D; Class II, Groups E, F, and G and Class III Hazardous Locations.

Note: For dual instrument housings, the model number for each instrument is designated. The model number of the bottom instrument is followed by the letters HP. The model number of the instrument mounted on top is followed by the letters HPD.

DECLARATION

The product in this report complies with:

- CSA Standard C22.2 No. 0-M1982 - General Requirements - Canadian Electrical Code, Part II
- 0.4-M1982 - Bonding and Grounding of Electrical (Protective Grounding)
- 25-1966 - Enclosures for Use in Class II Groups E, F, and G Hazardous Locations.
- 30-M1984 - Explosion-Proof Enclosures for Use in Class I Hazardous Locations.

MARKING

Submittor's name, model designation, complete electrical rating, hazardous locations designation, bilingual caution re; use in hazardous locations and the CSA Monogram appear on a metal nameplate affixed by rivets or drive pins.

ALTERATIONS

(a) Markings as above.

/db

It is the Submitter's responsibility to ensure that the CSA Mark is applied to this product only when the product complies with this report.

The name of the Association is protected by letters patent of incorporation and its certification marks "CSA" and "CSA" are registered.



### FACTORY TEST

Each transformer shall be subjected to the following dielectric strength tests for a period of one min, without breakdown:

An ac potential applied between each winding and the core and metal enclosure, with all other windings grounded to the core and metal enclosure. The test potential shall be:

- (a) For windings rated 30V and less, 500V ac.
- (b) For circuits rated over 30V, twice the max rated voltage of that winding plus 1000V ac.

As an alternative a potential 20 percent higher may be applied for one sec.

**WARNING:** The factory test(s) specified may present a hazard of injury to personnel and/or property and should only be performed by persons knowledgeable of such hazards and under conditions designed to minimize the possibility of injury.

### DESCRIPTION

**General:** This report covers the installation of any two instruments (listed in Item 2 below) inside the same enclosure (Item 1). Refer to Figure 1.

1. **Enclosure:** Certified, for use in Class I, Groups B, C, and D; Class II, Groups E, F, and G; and Class III, Hazardous Locations; "Adalet", Cat. No. X1HDGC (high dome with window construction) described in CSA Report LR 28549-30 dated May 28, 1985.
2. **Instruments:** Certified, "Moore Industries", as referred to below:

<u>Models</u>	<u>Described in CSA Report</u>
FDX, FFX, MVX, PTX, RBX, TCX	LR 28549-14 dated August 7, 1979.
SCX, SRX	LR 28549-20 dated May, 1982.
ALX, DVX, ITX	LR 28549-33 dated April 18, 1986
ACX	LR 28549-27 dated February 1, 1985.

The instrument located in the bottom portion of the enclosure is positioned in the enclosure (Item 1) as described in CSA Report LR 28549-19, dated January 23, 1981. The instrument located on top is positioned inside the enclosure using two cast steel HPD Mounting Brackets equipped with steel clips and integral mounting posts as shown in Figures 2 and 3 attached.

DESCRIPTION (Cont'd)

3. Grounding and Bonding: Same as described in CSA Report LR 28549-19, dated January 23, 1981. Two mounting brackets with steel clips are secured to the bottom of the additional upper instrument by two No. 6-32 machine screws each. Bonding is achieved by steel clip pressure contact to the internal surface of the enclosure (Item 1)

TESTS

No testing was considered necessary for the purpose of this report as the enclosure is certified and without alteration.