



Certificate of Compliance

Certificate Number: LR 57020-9

Revision: LR 57020-139

Date Issued: July 20, 1998

Issued To: Magnetrol International Inc.
5300 Belmont Rd.
Downers Grove, IL 60515
Attention: Mr. Paul Snider

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

Issued By: R. Wildish
Toronto, ON Canada

Signature

CLASS 2258 02 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations

PRODUCTS

Class I, Groups C and D; Class II, Groups E, F and G; Class III, Type 4X:
Class I, Div. 2, Groups A, B, C and D; Class II, Div. 2, Groups F and G; Class III:

Kotron system, consisting of: transmitter Model 82-8303-400, 82-8303-410, X82-8303-400 and X82-8303-410; supply 24V dc, 4-20mA; with integral probe or remote probe unit, Model 41-5XXX-XXX/(X)82-8303-4X0. (Insulated probes must be used). Max ambient 70 Deg C.

CLASS 2258 03 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe and Non-Incendive Systems - For Hazardous Locations

PRODUCTS

Class I, Groups A, B, C and D; Class II, Groups E, F and G; Class III; Type 4X:

Kotron system, consisting of: transmitter Model 82-8303-400, 82-8303-410, X82-8303-400 and X82-8303-410; supply 24V dc, 4-20mA; with integral probe or remote probe unit, Model 41-5XXX-XXX/(X)82-8303-4X0; intrinsically safe when connected through Certified zener safety barrier rated 28V max, 300 ohms, as per Installation Dwg. 99-5033; (for Class II, Groups E and F insulated probes must be used). Max Ambient, 70 Deg C.



Revision: LR 57020-139

Class I, Groups C and D; Class II, Groups E, F and G; Class III; Type 4X:

Kotron system, consisting of: transmitter Model 82-8303-400, 82-8303-410, X82-8303-400 and X82-8303-410; supply 24V dc, 4-20mA; with integral probe or remote probe unit, Model 41-5XXX-XXX/(X)82-8303-4X0; intrinsically safe when connected through Certified zener safety barrier rated 30V max, 140 ohms, as per Installation Dwg. 99-5033; (for Class II, Groups E and F insulated probes must be used). Max Ambient, 70 Deg C.

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

PRODUCTS

Class I, Groups C and D; Class II, Groups E, F and G; Class III, Type 4X:

-Kotron system, consisting of: transmitter Model 82-8303-400, 82-8303-410, X82-8303-400 and X82-8303-410; supply 24V dc, 4-20mA; with integral probe or remote probe unit, Model 41-5XXX-XXX/(X)82-8303-4X0 ; intrinsically safe, with Entity parameters $V_{max} = 28 V$, $I_{max} = 200 mA$, $C_i = 1.2nF$, $L_i = 0 uH$, when connected per Magnetrol Inst. Dwg. 99-5033; Max ambient 70°C.

APPLICABLE REQUIREMENTS

CSA Std C22.2 No.	25-1966	- Enclosures for Use in Class II, Groups E, F and G Hazardous Locations
CSA Std C22.2 No.	30-M1986	- Explosion-Proof Enclosures for Use in Class I Hazardous Locations
CAN/CSA-C22.2 No.	94-M91	- Special Purpose Enclosures
CSA Std C22.2 No.	142-M1987	- Process Control Equipment
CAN/CSA-C22.2 No.	157-92	- Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations
CSA Std C22.2 No.	213-M1987	- Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations

MARKINGS

- Company name;
- Model number;
- Serial number;
- Electrical rating;
- Hazardous locations designation;
- Special purpose enclosure designation, "TYPE 4X";
- CSA Monogram;
- Maximum ambient;
- The Symbol Exia;
- The words "INTRINSICALLY SAFE/SECURITE INTRINSEQUE";
- A statement re Intrinsic Safety;
- Caution re keeping cover tight while circuits are live;
- Caution re. Disconnection of Circuits.



Supplement to Certificate of Compliance

Certificate Number: LR 57020-9

Issued To: Magnetrol International Inc.
5300 Belmont Rd.
Downers Grove, IL 60515
Attention: Mr. Paul Snider

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

Issued By: R. Wildish
Toronto, ON Canada

Signature _____

Product Certification History

Revision	Date	Description
- 139	Jul 20/98	Update to cover Model 82 for Class I, Div. 2, and Class II, Div. 2.
-125	Dec. 6/96	Revised construction of printed circuit board - revised electronics.