



Member of the FM Global Group

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CERTIFICATE OF COMPLIANCE

HAZARDOUS LOCATION ELECTRICAL EQUIPMENT PER CANADIAN REQUIREMENTS

This certificate is issued for the following equipment:

Electronic Timer Module ETM-ISab-cde

IS / I, II, III / 1 / ABCDEFG / T6 Ta = 60°C

Solenoid output parameters

Uo = 14.7 V

Io = 742 mA

Po = 2.72 W

Ci = 0

Li = 0

Input Parameters for when a = 2

Ui = 11.1V Ii = 340 mA Pi = 2.613 W (non linear)

- a = sub module 1 = Timer Module powered by Expo Battery Pack
 2 = IS Power Supply
 3 = Expo IS Battery Pack
 4 = Expo IS remote Battery Pack
- b = Mounting Style 1 = Plate mounted
 2 = Panel mounted
- c = LED connection 1 = LED's on Timer surface
 2 = LED's on flying lead
- de = Maximum Time d = Reference Value 1 to 9
 e = Multiplying digit 1, 2, 3 or 4

Special Conditions of Use

1. *The Electronic Timer shall not be used where UV light or radiation may impinge the Electronic Timer System.*
2. *The Electronic Timer shall be installed within an enclosure which provides protection against impact.*
3. *The Enclosure shall be metallic providing a minimum IP20.*
4. *For light alloy enclosures, materials shall not contain, by mass, more than 7.5% in total of magnesium, titanium and zirconium. Where more than 10% in total of aluminium, magnesium, titanium and zirconium the user shall take special precautions to avoid ignition hazard due to impact or friction.*

To verify the availability of the Approved product, please refer to www.approvalguide.com

Equipment Ratings:

Intrinsically safe for Class I, II and III, Division 1, Groups A, B, C, D, E, F, and G indoor hazardous locations. Temperature Class T6 at +60°C.

FM Approved for:

Expo Technologies Ltd
Sunbury-on-Thames, United Kingdom

This certifies that the equipment described has been found to comply with the following Approval Standards and other documents:

CSA C22.2 2 No 157 1992 (Reaffirmed 2012)
CSA/C22.2 No. 1010.1 1992 (Reaffirmed 1999)

Original Project ID: 3036907C

Approval Granted: October 21, 2010

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
130109	January 25, 2013		
3049400	October 18, 2013		

FM Approvals LLC



J.E. Marquedant
Group Manager, Electrical

18 October 2013

Date

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