



# Certificate of Compliance

## FIRE PROTECTION EQUIPMENT

This certificate is issued for the following equipment:

System Description – Model Designations

*Approval Guide* Listing: Category: Fire Protection, Electrical Signaling, Alarm Signal Initiating Devices, Fire Detection, Flame-Actuated

Flame Detectors, Series FTR. Models FTR0001 (Ultraviolet); FTR0003 (Ultra Fast UV/IR), and FTR0002 (Ultraviolet-Infrared); FTR0005 (Multi Infrared Hydrocarbon and Hydrogen); FTR0000 (Single Infrared), FTR0004 (Triple Infrared [IR3]) and FTR0006 (Ultra Fast Triple Infrared [IR3]) flame detectors. Each detector operates from 18 to 32 V dc via connection to a compatible FM Approved fire alarm control providing separate circuits for alarm signaling and for power. Fuels tested for response include the following: Gasoline, N-Heptane, Diesel, JP5, Kerosene, Ethyl Alcohol (95%), IPA, Methanol, Methane, LPG, Polyethylene (FTR0004, 0003, 0006, 0001, 0002, 0000 and 0005 only), Polypropylene, Paper and Hydrogen (FTR0005 and FTR0003 only). Detectors operating temperature is -50° to 85°C (-58° to 185°F); [-55° to 85°C (-67° to 185°F) for the model FTR0006]. Hazardous (Classified) Location rating: Explosionproof for Class I, Division 1, Groups B, C and D, T5 Ta = 85°C; DIP / II, III / 1 / EFG / T5 Ta = 85°C; Type 6P, IP66, IP67

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This certifies that the equipment described has been found to comply with the applicable requirements, as stated in the Approval Report(s), of the following FM Approval Standards and other documents:

*Approval Standards*

<i>Class Number</i>	<i>Date</i>
ANSI/FM3260	2004
3260	2000
3600	1998
3615	2006
3810	2005

*Other Standards*

<i>Organization, Designation</i>	<i>Date</i>
ULC/ORD-C386	1990
CAN/ULC-S529	2001
CSA C22.2 No. 0.5	1999
CSA C22.2 No.30	2003
CSA C22.2 No. 60529	2005
ANSI/NEMA 250	2003

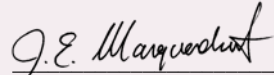
Original Approval Job Identification:0003059617

Approval Granted: 22 August 2016

Related Report:

Subsequent Revisions:

To verify the availability of the Approved product, please refer to [www.approvalguide.com](http://www.approvalguide.com)

  
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29 September 2016

Date



Member of the FM Global Group