



APPROVED

# Certificate of Compliance

## FIRE PROTECTION EQUIPMENT

This certificate is issued for the following equipment:

Model X33AF Multispectrum IR Flame Detector

Approval Guide Listing: Category: Electrical Signaling; Heading: Fire Detection, Flame-Actuated

Model X33AF A (or S) 4 M(or N) 13 (or 16 or 23) W1(or 2) Multispectrum IR flame detector (Firmware 007278-001 Rev. G, 007284-001, Rev. A used with X3301xxxxXTX). Programming Option dash numbers: 001, 002, 003, 004, 005, 006, 007, 008, 009, 034, 035, 036, 037. FM Approved for use at Very High, Medium and Low sensitivity settings (factory set). Operates from 18 to 32 V dc via connection to a compatible FM Approved control panel providing separate power circuits and 4 to 20 mA alarm interface. Fuels tested for response include the following: Heptane, Diesel, Methanol, Natural Gas, JP-5, Office paper, Corrugated panel, Isopropanol, Methyl ethyl ketone, Toluene, Xylene. The detector enclosure is rated NEMA 4X and is suitable for indoor and outdoor use. Suitable for use over ambient operating temperature range of -40°F to +167°F (-40°C to +75°C). Suitable for use in Class I, Division 1, Groups B, C & D; Class II, Division 1, Groups E, F, & G; & Class III, Division 1 locations. Nonincendive for Class I, Division 2, Groups A, B, C & D (T3C); Suitable for Class II/III, Division 2, Groups F and G (T3C) hazardous (classified) locations.

Approved for:

Autronica Fire and Security  
Haakon VII's Gt. 4  
N 7483 Trondheim, Norway

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

Approval Standards	Date	Other Standards	Date
Class Number		Organization, Designation	
3260	August 2000	ANSI/NEMA 250	1991
3611	October 1999		
3810	March 1989		
Including Supplement #1	July 1995		
3600	November 1998		
3615	March 1989		

Original Approval Project Identification: 3011126

Approval Granted: November 21, 2001

Subsequent Revisions: This certificate reflects the present Approval of the product as described in the original Approval Project and the following subsequent reports:  
3012419 (February 7, 2002), 3014814 (September 12, 2002), 3013843 (January 17, 2003), 3013398 (February 19, 2003), 3016955 (May 29, 2003), 3017881 (June 25, 2003), 3017029 (July 15, 2003), 3016984 (July 25, 2003), 3018317 (November 26, 2003), 3020383 (August 10, 2004)

FM Approvals



Member of the FM Global Group

*Handwritten signature*

Tim Adair  
Technical Team Manager

*Handwritten date*

Date

Cert. No. 3031914