



Certificate of Compliance

FIRE PROTECTION EQUIPMENT

This certificate is issued for the following equipment:

FS System 7 Flame Detector and Controller Models FS7-2173-abc, FS7-2173-abcd Multi-Spectral Flame Detectors.

Approval Guide Listing Categories:

Electrical Signaling, Alarm Signal Initiating Devices, Fire Detection, Flame-Actuated

See Listings on next page.

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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:

<i>Approval Standards</i>		<i>Other Standards</i>	
<i>Class Number</i>	<i>Date</i>	<i>Organization, Designation</i>	<i>Date</i>
3260	2000	ANSI/ NFPA 72	2002
3600	2011	IEC 60529	2013
3600	2004		


Original Approval Job Identification: OZ9A4.AY

Approval Granted: August 12, 1997

Related Report:	0D4A8.AY	12/16/1998
	3000769	8/9/1999
	3010543	11/5/2001
	3012704	11/6/2001
	3014801	12/17/2003
	3060465	12/20/2016

Subsequent Revisions: RR207654

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



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20 December 2016

Date





Certificate of Compliance

☒Electrical Signaling ☒Alarm Signal Initiating Devices ☒Fire Detection, Flame-Actuated

Models FS7-2173-abcd Flame Detector

- a = blank for 12 Vdc (requires FS7-130-SX (2) controller module)
 - = RP or 2RP for 16 Vdc to 28 Vdc (requires FM Approved fire alarm control providing separate circuits for alarm signaling and for power)
- b = blank or C (low sensitivity)
- c = blank or up to four alpha-numeric characters
- d = blank or up to four alpha-numeric characters beginning with 'K'

Series FS7-2173-abcd multi-spectral flame detectors. The fuel tested for response was isopropyl alcohol (IPA). Firmware version is 3720-0010 Rev B for the 4ft (low sensitivity) and 5724-005 Rev B for the 8ft (standard sensitivity). The detector housing provides IP 67 degree of protection, and the detector is suitable for indoor use only. The flame detector series are nonincendive for use in Class I, Division 2, Groups A, B, C, and D, temperature class T4A at an ambient of 70°C (158°F).

☒Electrical Signaling ☒Alarm Signal Initiating Devices ☒Fire Detection, Flame-Actuated

FS System 7 Flame Detector and Controller

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FS System 7 Flame Detector and Controller. Consists of the Model FS7-130-SX (2) controller module, the FS7-2173-abcd series flame detector using firmware version 3270-0010 Rev B(4 ft sensitivity), firmware version 5724-005 Rev B (8 ft sensitivity) and the Model JB-4 junction box. The fuel tested for response was isopropyl alcohol (IPA). A maximum of 12 detectors can be connected to each controller module. The FS7-130-SX (2) controller module operates from 20.4 to 26.4 V dc at 410 mA max via connection to a compatible FM Approved control panel providing separate circuits for alarm signaling and power. When the FS7-130-SX (2) controller module is installed inside the enclosure of an FM Approved fire alarm control, compatibility testing is required for each manufacturer and model of fire alarm control. The detector and controller module are suitable for indoor use, in ambient temperatures from 0° to 55°C (32° to 131°F). The flame detector housing provides IP-67 degree of protection and is Non-Incendive for use in Class I, Division 2, Groups A, B, C and D, temperature class T4A at an ambient of 70°C (158°F).



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