Certificate of Compliance

FIRE PROTECTION EQUIPMENT

This certificate is issued for the following equipment:

GTF-1100U [UV/IR] and GTF-1100T [Triple IR] Flame Detectors

Approval Guide Listing: Category:

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

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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		Other Standards	
Class Number	*Date*	*Organization, Designation*	*Date*
3260	September 2018	ANSI/ NFPA 72	2013

Original Approval Job Identification: PR449205   Approval Granted: 3 January 2019

Related Report:

Subsequent Revisions:

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

3 January 2019

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Date

FM APPROVED

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Certificate of Compliance

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

GTF-1100U [UV/IR] and GTF-1100T [Triple IR] Flame Detectors

Wave Lengths:	GTF-1100T - Triple IR 3.8 - 5.5 μm, GTF-1100U - Ultraviolet 185 - 260nm, Infrared 4.5 - 4.8 μm
Operating voltage:	18-32Vdc [nominal - 24Vdc]
Power consumption:	GTF-1100T - 75 mA [max.] GTF-1100U - 106mA [max.]
Detection Distance:	GTF-1100T - 197ft. [60m] (0.1 m^2 n-heptane pan fire), GTF-1100U - 98.4 ft. [30m] (0.1 m^2 n-heptane pan fire),
FOV (Field of View):	100°[Horizontal], 100°[Vertical],
Response time:	GTF-1100T - 7.9 sec typical (6.1 sec - 7.9 sec), GTF-1100U - 5.1 sec typical (4.6 sec - 5.1 sec)
False Alarm susceptibility:	Reference technical manual numbers GT-070IM00K [rev. 1] and GT-069IM00K [rev. 1] for details,
Self Test	Automatic and manual built-in self test (B.I.T.)
Relays:	1 Alarm Relay, 1 Trouble Relay: SPST (1 A at 30 VDC or 0.3 A at 125 VAC (resistive load)) Alarm Dry contact relay (De-Energized default selectable normal open or close), Trouble Dry contact relay (Energized default selectable normal open or close),
Interfaces:	RS-485 Interface (MODBUS RTU), 0-20 mA Output,
Status LEDs:	(Bi-Color: red and green), Alarm LED (red),
Flame Simulator:	(Part No. FS-310 for GTF-1100U only), FS-320 for GTF-1100T only)) [not FM examined].
Operation Temperature:	-40℃ - 75℃
Operation Humidity:	Up to 95% RH (Non-condensing].
Sensitivity settings:	normal [factory set]
Firmware:	Version 0.54.

Compatible FM Approved control panel for alarm and trouble reporting.