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

Gastron Co Ltd
23 Gunpocheomdansaneop 1-ro,
Gunpo-Si, Gyeonggi-do
Korea, Republic of

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

_____
J. E. Marquedant
VP, Manager of Electrical Systems
FM Approvals
1151 Boston-Providence Turnpike,
Norwood MA, 02062 USA

Date
_____

FM Approvals®
Member of the FM Global Group

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.