

UV/IR Flame Detector

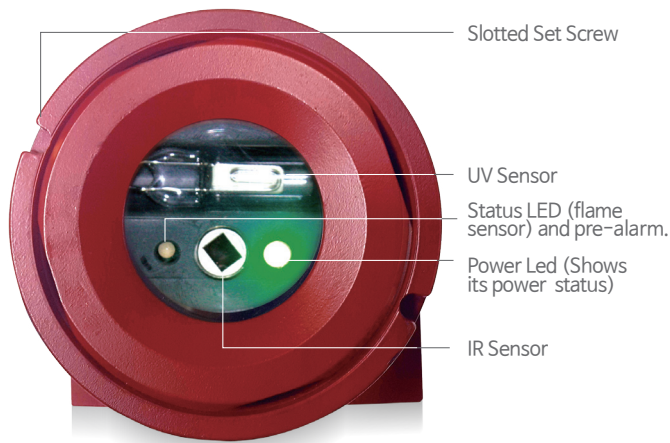
GTF-1000

Feature

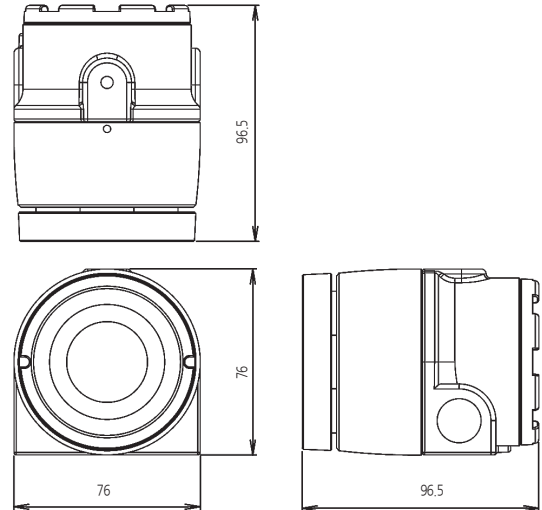
- ▷ Fast response with high sensitive UV and IR sensor
- ▷ 4 Selectable Sensitivity can be adjusted by a switch, alarm, setting.
- ▷ RS-485 Communication, 4-20mA output signal. (Switch can adjust Address)
- ▷ Contact output of Fire Alarm and Fault Alarm through Relay
- ▷ O.C(Open Collector) with 24V and 10mA output
- ▷ Switch activates Latch function



General



Dimension (Unit:mm)



Accessories



4-20mA module



RS-485 module



Cable gland

Specification

※Specifications are subject to be changed without prior notice.

GTF-1000				
Wave Lengths	185 to 260nm(UV) / CO2 Bands(IR)			
Detection Distance	n-Heptane(30m)			
Field of View	100° max, conical			
Typical Response Time	< 3sec @ 30m(n-Heptane)			
Minimum Sensor Response Time	200 ms			
Typical Alarm	Alarm LED & Relays & 4-20mA & RS-485 Modbus			
Approval	Ex d II C T4, T5, T6			
Temperature Range	T6=-50℃ to +60℃, T5=-50℃ to +75℃, T4=-50℃ to +85℃			
Humidity Range	93% RH, non-condensing			
Status Indicator	4 - 20mA DC(Optional) / RS-485 Modbus(Optional) Alarm LED / Power LED			
RS-485 Output (Option)	Modbus Protocol Address : 1 to 63 (Dip switch Selectable)			
Relay Output	2SPDT Relay contact(1A at 30Vdc or 0.3A at 125Vac) Alarm, Fault			
Open Collector Output	+24V signal output Normal status : Vin(Normally +24Vdc), Alarm status: 0V			
Operating Voltage	Standard : 19.2 ~ 28.8V DC(24V DC normal) / 85mA Max.			
Power Consumption	Full Option(mA + 85) Normal : 75mA, In case of fire : 85mA	485 Out Option Normal : 70mA, In case of fire : 80mA	mA Out Option Normal : 65mA, In case of fire : 75mA	Normal Option Normal : 65mA, In case of fire : 75mA
Signal Cable Connection	Standard type : (CVVS or CVVSB 1.5sq)+Shield			
Conduct Connection	1/2" PF, NPT(1/2" PF 기본사양)			
Weight	Standard type : 0.7 kg			
Dimensions	Standard type : 76(W) × 76(H) × 96.5(D) mm			
Approval	KFI, KCS			