UV/IR and IR4 Flame Detector

Model: **SFD-1000U/SFD-1000R**

Features:

SFD-1000 is cutting edge flame detector, to detect wide range of hydrocarbon flames using UV and IR sensor or Multi-IR Band sensor to reduce false alarm and give fast reliable response to real fires

Additional to 4-20 mA output, 1 Alarm and 1 fault relay outputs considered to connect to universal FACPs, F&Gs and PLCs Control Panels.

General Characteristics:

- Infra-red, Ultra-violent sensor
- 4-20 mA analog output
- adjustible sensitivity range by dip switch
- -20 to +60 C operating temperature
- Aluminum Die-cast ATEX approved body
- Weather proof IP 66
- Easy access to termination without touching sensors alignment
- Normal, Fault and Alarm local LED indication
- Built-in Test Technology

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www.sga-safety.ir

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Model: SFD-1000U/SFD-1000R

Technical Details:

Description	Rating	Description	Rating
Sensor	UV/IR IR4	Humidity	95 % RH
UV/IR Spectral Range	185-260 nm 4.2-4.6 μm	Cable Type	3 x 1.5 mm2 for 4-20 mA
IR4 Spectral Range	3.95-5.3 μm	Entry Size	2 x M20
Response time	< 5 sec	Casing Material	Aluminum Die-cast
Detection Range @ .1 m2 n-heptane pan fire	UV/IR: 25 meters IR4: 60 meters	Temperature	-20 to +60 ℃
Cone Of vision	100 ˚ Vertically and Horizontally	Dimension	166 x 127 x 102 mm
Output Signal	4-20 mA standard signal	Weight	Appx. 1.5 Kg
Relay output	1 alarm relay 1 Fault relay 7A 230 VAC	Ingress Protection (IP)	65
Power supply	19-30 VDC-400 mA max	Certification	II 2G Ex db IIC T6 Gb

Accesories Ordering Number:

Item	Description	Ordering Code
1	Sunshade	SFDSS
2	Pipe mount 2" U Bolt	SFD2PM
3	Swivel Mounting Rotatable	SFDSM

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