



Highly **A**dvanced **S**ensor & **O**ptics

UV/IR2 Flame Detector RFD-2T

DESCRIPTION

The HASO™ UV/IR2 Flame Detector(RFD-2T) is the new flame detector using UV-tube and dual infrared sensors. The detector overcomes the limit of typical UV/IR flame detector and provides the immunity to artificial lights like halogen. The UV/IR flame detector senses radiation energy in the narrow wave-band of both the ultraviolet and the infrared portions of the electromagnetic spectrum. The US sensor incorporates a special algorithm that prevents false alarm caused by solar radiation.

HASO™ UV/IR2 flame detector has a solid cone of vision for n-Heptane of 83 feet .

The detector has applications in a wide range of industrial and commercial facilities, where the threat of accidental fire involves hydrocarbon fuels, such as gasoline, kerosene, diesel fuel, aviation jet fuels like JP-4, JP-5, JP-8, hydraulic fluids, paints and solvents, hydrocarbon gases like ethylene and polyethylene, natural gas (LNG), town gas, liquefied petroleum gas(LPG), methane, ethane, propane, etc.

Sensing Path Test(SPT) and Event logging capability is also provided.

The compact design (1/4 of the conventional detector) makes the new sensor very easy to be installed on the all types of facilities and machines where impossible before.

HASO™ UV/IR2 (RFD-2T)
2 UV/IR 가

HASO™ UV/IR2 90°, 25m

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SPECIFICATIONS	
General	
Spectral Response	Ultraviolet and Infrared
Detection Range	25m for n-Heptane fire
Field of View	90° solid cone of vision
Response Characteristics	Typical 3 sec
Temperature Range	Operating : -20 to +60 . Storage : -20 to +70 .
Humidity Range	10 to 90% relative humidity
Electrical	
Operating Voltage	17 to 32 vdc.
Power Consumption	2.8W minimum , 4.8W maximum at 32 vdc
Wiring	16 AWG(1.22 mm ²) to 26AWG(0.15 mm ²)shielded cable recommended.
Electromagnetic Compatibility	EMI protected
Out put	
Relays Fire Alarm	- Form A(NO contacts) - normally de-energized - latching/non-latching - contacts rated 1A at 32vdc
Mechanical	
Dimensions	64mm in diameter, 82mm in length
Enclosure Material	Anodizing, blue
Shipping Weight	0.4 kg
Approvals	
Performance	KOFEIC
Water Tight	IP66
Accessoris	
Fire Simulator	TL200
Bracket	BK-1

SPECIFICATIONS	
	25m , n-Heptane
	90° ,
	3
	: -20 ~ +60 .
	: -20 ~ +70 .
	10 ~ 90%
	17 ~ 32 vdc.
	2.3W , 4.8W (32vdc)
	16 AWG (1.22 mm ²) to 26 AWG (0.15 mm ²)
	EMI
	- A
	-
	- /
	- : 32VDC 0.5A
	64mm, 82 mm
	0.4kg
	IP66
	TL200
	BK-1