Industrial IR³ Infra-Red Flame Detector

Features

- Unaffected by convection currents, draughts or wind
- Tolerant of fumes, vapours, dust and mist
- Responsive to a flame up to 25 m away
- Selectable response speed
- Class 1 performance as defined in BS EN54-10:2002 (on the high sensitivity setting)
- Optical self-test
- FM, CPR, LPCB, VdS, and SIL 2 Approved



Description

Model IFD-E is an IR³ flame detector designed for use where open flaming fires may be expected and responds to the light emitted from flames during combustion.

Ideal for the detection of flames from the burning of Aviation Fuels (kerosene), Butane, Grain & Feeds, Hydrogen, Paper, Natural Gas, Petrol (gasoline) etc.

Specification

Ordering codes	IFD-E IFD-MB (Stainless steel mounting bracket)	
Operating voltage	14 - 30 VDC	
Alarm current (selected via by DIL switches)	9 ~ 28 mA	
Test signal voltage	14 to 30 VDC	
Relay contact ratings	Current	1.0 A (max)
	Voltage	50 VDC (max)
	Power	30 W (max) (resistive loads only)
Power up time	2 seconds (max)	
Field of view	90° minimum Cone	
Range - Class 1*	0.1 m² n-heptane at 25m	
Range - Class 3	0.1 m² n-heptane at 12m	
Operating wavelength band	IR (0.75 ~ 2.7 µm)	
Operating temperature range	- 10 °C to + 55°C	
Storage temperature range	- 20 °C to + 65°C	
Maximum humidity	95% RH - Non-condensing (at 40°C)	
Ingress protection rating	IP66	
Colour / case material	Blue / Die-cast Zinc alloy (ZA12)	
Weight (kg) / Dimensions (mm)	2 / H 142 x W 108 x D 82	

*This product is not suitable for use in Intrinsically Safe areas See model IFD-E(IS)

For further information visit our website.
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