

TRIPLE IR FLAME DETECTOR

AS-708-FD

DESCRIPTION

Triple IR Flame detector with suitable flameproof enclosure is specially designed to use in areas, where smoke and heat detectors are less effective. This is 4 wire detector. The detector has provision to connect directly to any standard fire alarm panel or connect with Annunciator or PLC using potential free 'NO' contacts. Detector give fire indication after comparing 3 IR sensor for Actual fire, eliminating false alarm. The intelligent signal processing enables the detector to distinguish between false source and real fire.

APPLICATIONS

- ☞ Chemical Areas
- ☞ Petro Chemical Areas
- ☞ Paint Booths
- ☞ Paint Shops
- ☞ Natural Gas installations
- ☞ High ceiling / open space buildings such as warehouses
- ☞ Air Craft Hangers

ADVANTAGES

- ☞ QUICK RESPONSE TO FLAMING FIRES
- ☞ EXTREMELY IMMUNE TO FALSE SOURCES
- ☞ VISUAL STATUS MONITORED THROUGH LED INDICATIONS
- ☞ EASY TO CONNECT WITH ANY CONVENTIONAL & ADDRESSABLE FIRE PANELS, PLC PANELS.

DETECTOR SENSITIVITY

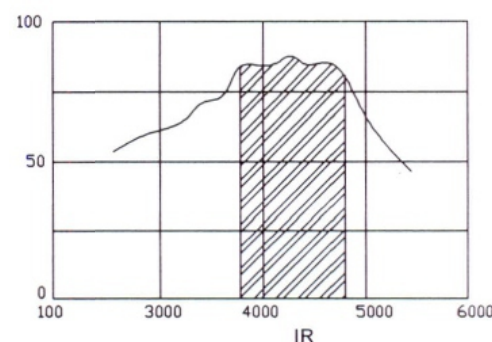
Triple IR Flame Detector can detect 1 sq.ft N-Heptane fire flame at a distance of 50 mtrs. within 5 to 30 sec.
 THE RESPONSE TIME OF THE DETECTOR DEPENDS ON THE SIZE OF FIRE, FUEL TYPE AND DISTANCE OF THE FIRE SOURCE.
 SMALLER FIRES AND GREATER DISTANCES NORMALLY REQUIRE MORE RESPONSE TIME.



Approvals:



IR DETECTOR SPECTRAL RESPONSE



TECHNICAL SPECIFICATION - PART NO. AS-708-FD

QUIESCENT CURRENT	< 120mA
ALARM CURRENT	<150mA
RELAY CONTACT RATING	1A at 24VDC, 0.5A at 120VAC
CABLE ENTRY	M25 X 1.5 - 2 Nos.
SENSING ELEMENT	3 IR
RANGE	IR : 3000-5000nm
INDICATION	NORMAL - GREEN LED FIRE - RED LED FLASHING
OPERATING TEMPERATURE	-20 Deg.C TO +60 Deg.C
SUPPLY	24VDC +20% (RESETTABLE)
OUTPUT	1. ONE SET OF 'NO-COM-NC' CONTACTS FOR FIRE 2. ONE SET OF 'NO-COM-NC' CONTACTS FOR FAULT 3. ZONE / DETECTOR LINE TO CONNECT DIRECTLY STANDARD CONVENTIONAL
MATERIAL	CAST ALUMINIUM
FASTENERS	SS 304
EQUIPMENT RATING	EXPLOSION PROOF FOR CLASS I, DIVISION I. GROUPS A,B,C AND D: AND DUST - IGNITION PROOF FOR CLASS II/III, DIVISION I, GROUPS E, F & G: HAZARDOUS (CLASSIFIED) LOCATIONS, INDOOR/OUTDOOR

INSTALLATION CONSIDERATION

1. Detector must be installed in such a way that no obstruction is on the way of sight of the detector.
2. Detector to be mounted focusing the possible fire risk area.



MOUNTING BASE

MAINTENANCE & INSPECTION

To ensure maximum detector sensitivity, keep the surface of the optical filter (detector eye) free from dirt or other contaminants all times. Inbuilt air purging provision is available for maintenance purpose.

ACCESSORIES

1. MOUNTING BASE
2. CABLE GLANDS-2 NOS.
3. USER MANUAL

Packing Size : 310(L) x 230(w) x 210(H) all in MM

Packing Weight : 4.5 to 5 KG Max.