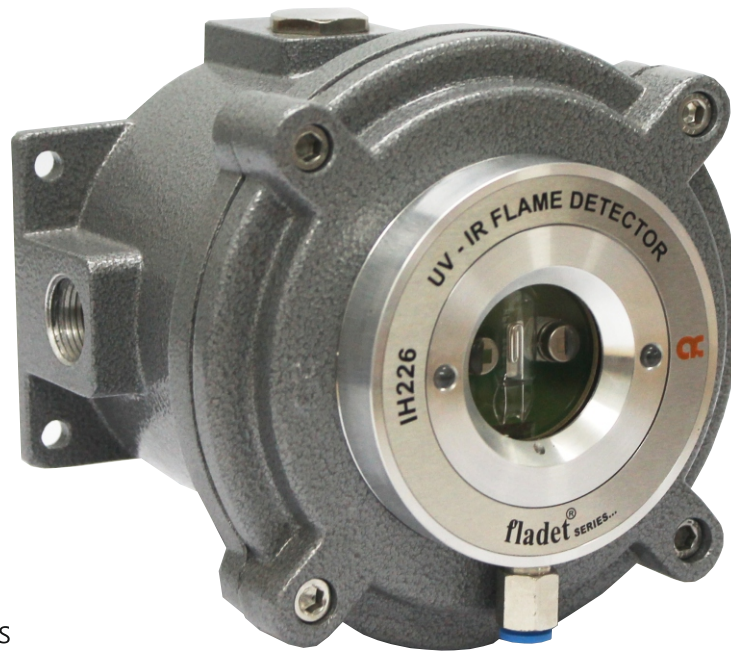


IH226 - UV-IR FLAME DETECTOR

fladet series...IH226 UV IR Flame detector with IP-66 protection is specially designed to use in areas, where smoke and heat detectors are less effective. The detector makes use of both UV & IR sensors to identify the fire. It detects multiple spectral sensitivity corresponding to the fire. The intelligent signal processing enables the detector to distinguish between false source and real fire.

APPLICATION

- ✦ FIRE PUMP HOUSE
- ✦ DIESEL GENERATOR ROOM
- ✦ MACHINERY PRODUCTION LINE
- ✦ STORAGE AREA
- ✦ MATERIAL CONVEYORS
- ✦ ATRIUMS
- ✦ HIGH ROOF AREAS
- ✦ WARE-HOUSES
- ✦ PAINT STORAGE AREAS
- ✦ FUEL STORAGE AREAS
- ✦ OUTDOOR OR SEMI OUTDOOR AREAS
- ✦ ESCALATOR AREAS
- ✦ CAR PARKING
- ✦ HIGH FIRE RISK MACHINERY AREAS OR INSTALLATIONS, OFTEN COUPLED WITH AN AUTOMATIC GAS EXTINGUISHING SYSTEM
- ✦ UNDERGROUND CELLARS
- ✦ DIESEL DAY TANK AREA



ADVANTAGES

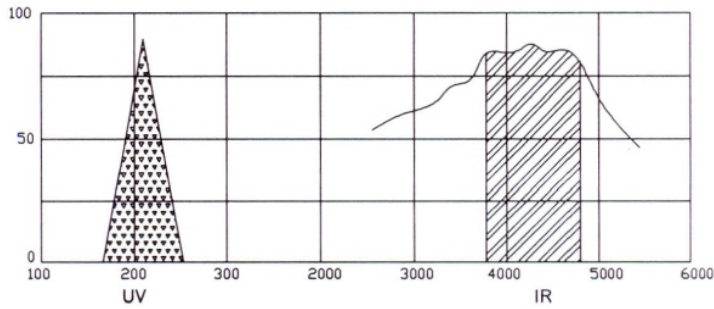
- ✦ MANUFACTURED & TESTED WITH STRINGENT QUALITY CONTROL AS PER EN54-10
- ✦ QUICK RESPONSE TO FLAMING FIRES
- ✦ EXTREMELY IMMUNE TO FALSE SOURCES
- ✦ VISUAL STATUS MONITORED THROUGH LED INDICATIONS
- ✦ EASY TO CONNECT WITH ANY CONVENTIONAL & ADDRESSABLE FIRE PANELS, PLC PANELS.

STRINGENT TESTS

- ☑ 7 FUNCTIONAL & PERFORMANCE ORIENTED TESTS
- ☑ 5 CHALLENGING ENVIRONMENTAL TESTS
- ☑ 4 TOUGH PHYSICAL TESTS
- ☑ 5 EXTREME ELECTROMAGNETIC COMPATIBILITY TESTS



UV & IR DETECTOR SPECTRAL RESPONSE



TECHNICAL SPECIFICATION - PART NO : IH226

01.	BRAND NAME	fladet series..
02.	MANUFACTURER	AGNI CONTROLS, CHENNAI
03.	MATERIAL	CAST ALUMINIUM LM6
04.	FINISH	ENCLOSURE-HAMMER TONE GREY
05.	CABLE ENTRY	M20 X 1.5 - 3 Nos.
06.	PROTECTION CLASS	IP - 66
07.	SENSING ELEMENT	UV & IR
08.	RANGE	UV : 185-260nm IR : 3000-5000nm
09.	FASTENERS	SS304
10.	OPERATING TEMPERATURE	-20 Deg.C TO +60 Deg.C
11.	SUPPLY	24VDC ±20% (RESETTABLE)
12.	QUIESCENT CURRENT	< 80mA
13.	ALARM CURRENT	< 150mA
14.	INDICATION	NORMAL - FLICKERING GREEN LED FIRE - RED LED
15.	APPLICATION	INDOOR AND OUTDOOR
16.	RELATIVE HUMIDITY	0% - 95% NON-CONDENSING
17.	OUTPUT	1. ONE SET OF 'NO-COM-NC' CONTACTS FOR FIRE + ONE SET OF DUPLICATE 'NO-COM-NC' CONTACTS. 2. ONE SET OF 'NO-COM-NC' CONTACTS FOR FAULT + ONE SET OF DUPLICATE 'NO-COM-NC' CONTACTS. 3. ONE SET OF 'NO' CONTACTS FOR ALERT (NO HOLDING) PLUS ONE SET OF DUPLICATE 'NO' CONTACTS 4. ZONE / DETECTOR LINE.
18.	RELAY CONTACT RATING	1A at 24VDC, 0.5A at 120VAC
19.	APPROVAL / CONFIRMATION / CERTIFICATION	1. LPCB - 1259a/01 2. CE-CPR : 2831-CPR-F0854 3. CONFORMING REQUIREMENT OF EN54-10, NFPA-72 & IS 2189 4. IP PROTECTION CERTIFIED BY ETDC.

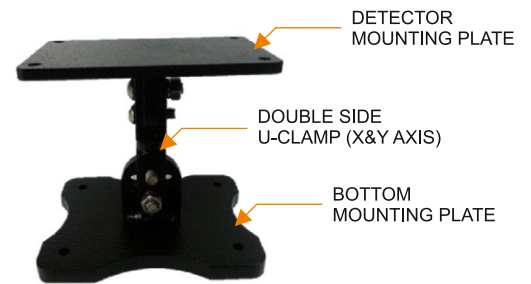
DETECTOR SENSITIVITY

fladet - IH226 Triple Sensor Flame Detector is tested and approved as class1 flame detector by LPCB. It can detect 1 sq.ft N-Heptane fire at a distance of 25 mtrs within 10sec and It can detect 50mm dia (0.0218 sq.ft) N-Heptane fire at 3mtrs within 10sec.

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.

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.



SWIVEL MOUNTING BASE

MAINTENANCE & INSPECTION

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

ACCESSORIES (included in product supply)

1. SWIVEL MOUNTING BASE - IH 226-P4 - 01 NO.
2. CABLE GLANDS - 2 NOS.
3. USER MANUAL

PACKING SIZE : 290 (L) X 165 (W) X 185 (H) (ALL IN MM)
PACKING WEIGHT : 4.5 KG. MAX.