

fladet[®] SERIES...

DATA SHEET

TRIPLE IR FLAME DETECTOR FOR FLAME PROOF AREA APPLICATION

PART NO : IH8555

DOC. NO: DP-5.8/MT-513

DATE: AUG 2024

REVISION :05

SCALE : N.T.S

SHEET:1 OF 2

APPD. BY :DB

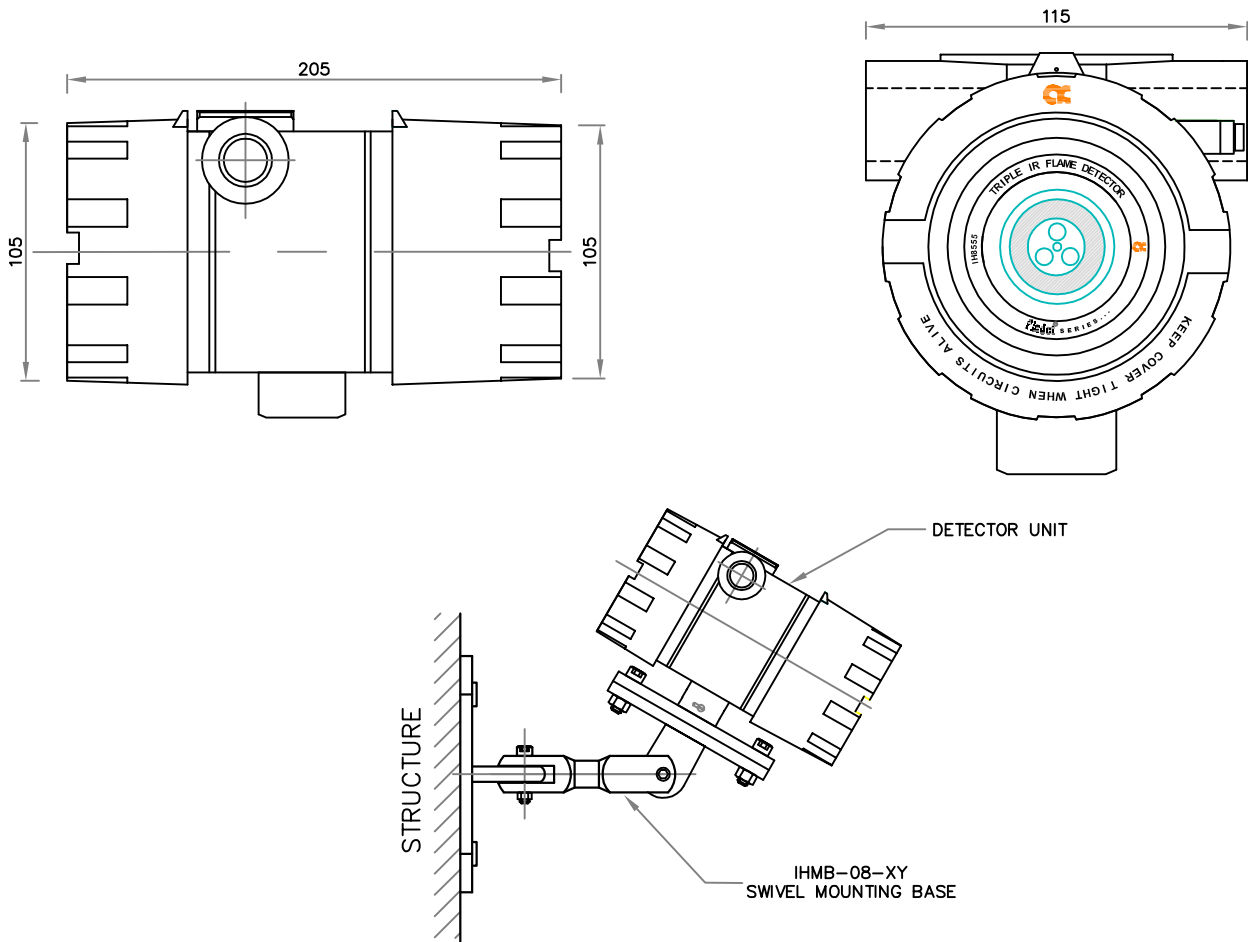
INTRODUCTION :-

TRIPLE IR FLAME DETECTOR WITH SUITABLE FLAME PROOF ENCLOSURE TO DETECT FLAME. THIS IS 4 WIRE DETECTOR. THE DETECTOR HAS PROVISION TO CONNECT ANY STANDARD FIRE ALARM PANEL OR TO CONNECT WITH ADDRESSABLE FIRE ALARM PANEL OR ANNUNCIATOR OR PLC USING POTENTIAL FREE 'NO' CONTACTS. DETECTOR GIVE FIRE INDICATION AFTER COMPARING 3 IR SENSOR FOR ACTUAL FIRE, ELIMINATING FALSE ALARM.

REV - 04 CERTIFICATION DETAILS UPDATED.

REV - 05 TESTING DETAILS IS UPDATED.

NOTE : THIS DATASHEET CAN BE ALSO REFERRED AS DOC. NO: DP-5.8/CP-513



**RECOMMENDED
MOUNTING ARRANGEMENT**

NOTE

1. ALL DIMENSIONS ARE IN "mm" UNLESS OTHERWISE SPECIFIED.
2. TOLERANCE ON DIMENSION ± 3 mm, UNLESS OTHERWISE SPECIFIED.

IMPORTANT:

AGNI CONTROLS RESERVES THE RIGHT TO CHANGE OR MODIFY WITHOUT PREVIOUS NOTICE ANY DATA OR SPECIFICATION DUE TO CHANGES OR MODIFICATION IN ORDER TO IMPROVE THE PRODUCTS / SYSTEM PRESENTED.

AGNI CONTROLS

**ISO 9001 - 2015
CERTIFIED COMPANY**

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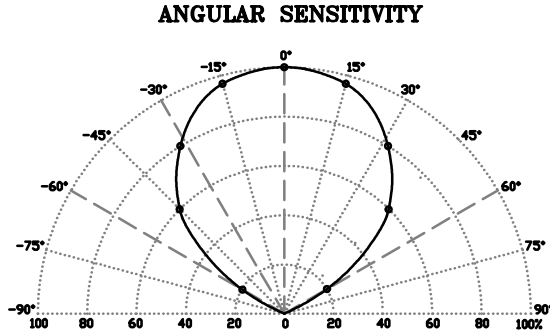
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TECHNICAL SPECIFICATION

01. MANUFACTURER 02. SUPPLY 03. QUIESCENT CURRENT 04. ALARM CURRENT 05. RELAY CONTACT RATING 06. CABLE ENTRY 07. SENSING ELEMENT 08. RANGE 09. INDICATION 10. OPERATING TEMPERATURE 11. OUTPUT	<p>fladet SERIES...</p> AGNI CONTROLS – CHENNAI 24V DC \pm 20%, (RESETTABLE) <120mA <150mA 1A AT 24V DC, 0.5A AT 120V AC M25X1.5 – 2 Nos. 3 IR IR-3000 – 5500nm NORMAL – GREEN LED FIRE – RED LED FLASHING -20°C TO +60°C	12. ENCLOSURE MAKE 13. MATERIAL 14. FASTENERS 15. EQUIPMENT RATING 16. CERTIFICATION FOR ENCLOSURE 17. APPROVAL / CONFIRMATION / CERTIFICATION	LIMATHERM,POLAND CAST ALUMINIUM LM6 SS 304 EXPLOSION PROOF FOR CLASS I, DIVISION1,GROUPS A,B,C AND D: AND DUST – IGNITION PROOF FOR CLASS II/III, DIVISION 1,GROUPS E,F & G: HAZARDOUS (CLASISIFIED) LOCATIONS,INDOOR/OUTDOOR (NEMA TYPE 4X). 1026 Ex db IIC Gb 1026 Ex tb IIIC Db FM APPROVAL FOR ENCLOSURE. XD-IDAC,REPORT NO.3047332 ATEX APPROVAL FOR ENCLOSURE. CERTIFICATE NUMBER: FTZU 04 ATEX 0332U PESO APPROVAL FOR ENCLOSURE. CCEs IDENTIFICATION NUMBER : P505939/1. 1. CONFIRMING REQUIREMENT TO ISO 7240:10. 2. CONFIRMING REQUIREMENT TO NFPA72E. 3. CONFIRMING REQUIREMENT OF FM STANDARDS. CLASS NO.3260
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INSTALLATION CONSIDERATION :

Detector must be installed such that no obstruction is on the way of sight of the detector.

MAINTENANCE & INSPECTION:

To assure maximum detector sensitivity, keep the surface of the optical filter free from dirt or other contaminants at all times.The unit is ready for flame detection after 60 sec or Constant glow of green LED, whenever input supply is switch ON or reset.

TESTING:

Precaution while testing the flame detector

It is advised to test the detector after 5min interval from each testing. Repeating the flame test 3 or 4 times within 5min time duration, may cause the detector to go into rejection mode. the detector may consider it as fault source.

PACKING SIZE : 290(L) x 165(B) x 185(H) (all in mm)

PACKING WEIGHT : 3.8 kg.Max

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