

fladet[®] SERIES...

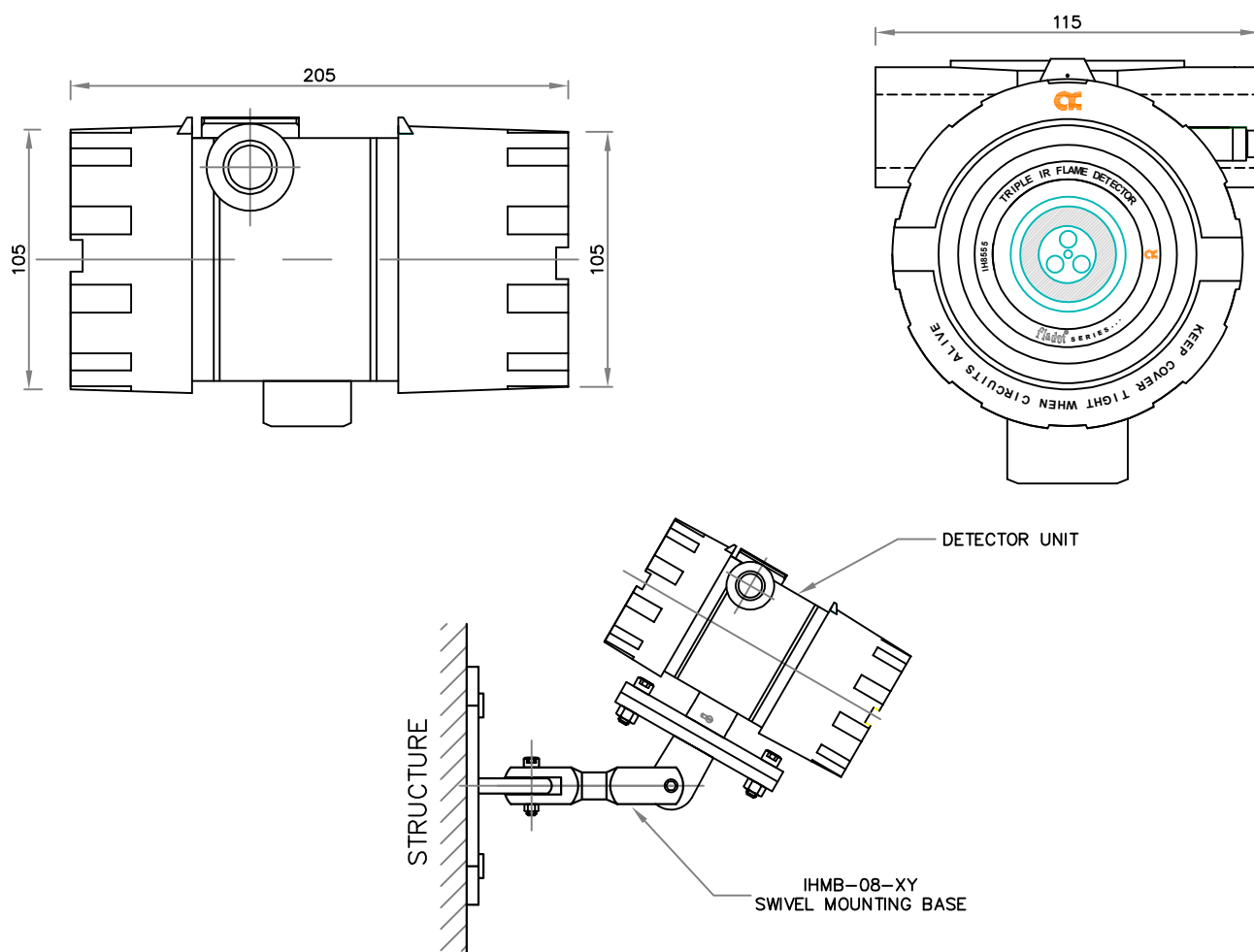
DATA SHEET	TRIPLE IR FLAME DETECTOR FOR FLAME PROOF AREA APPLICATION				PART NO : IH8555
DOC. NO: DP-5.8/MT-513	DATE: NOV 2023	REVISION :04	SCALE : N.T.S	SHEET:1 OF 2	APPD. BY : DBS

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.

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

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ISO 9001 - 2015
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DATA SHEET

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PART NO : IH8555

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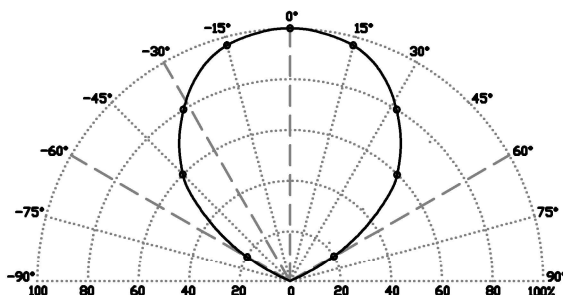
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SHEET:2 OF 2

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ANGULAR SENSITIVITY



TECHNICAL SPECIFICATION

01. MANUFACTURER	fladet [®] SERIES...	12. ENCLOSURE MAKE	LIMATHERM,POLAND
02. SUPPLY	AGNI CONTROLS – CHENNAI	13. MATERIAL	CAST ALUMINIUM LM6
03. QUIESCENT CURRENT	24V DC \pm 20%, (RESETTABLE)	14. FASTENERS	SS 304
04. ALARM CURRENT	<120mA	15. EQUIPMENT RATING	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 (CLASIFIED) LOCATIONS,INDOOR/OUTDOOR (NEMA TYPE 4X).
05. RELAY CONTACT RATING	<150mA		1026 Ex II 2G Ex db IIC Gb
06. CABLE ENTRY	1A AT 24V DC, 0.5A AT 120V AC		1026 Ex II 2D Ex tb IIIC Db
07. SENSING ELEMENT	M25X1.5 – 2 Nos.	16. CERTIFICATION FOR ENCLOSURE	FM APPROVAL FOR ENCLOSURE. XD-IDAC,REPORT NO.3047332
08. RANGE	3 IR		ATEX APPROVAL FOR ENCLOSURE. CERTIFICATE NUMBER: FTZU 04 ATEX 0332U
09. INDICATION	IR-3000 – 5500nm	17. APPROVAL / CONFIRMATION / CERTIFICATION	PESO APPROVAL FOR ENCLOSURE. CCEs IDENTIFICATION NUMBER : P505939/1.
10. OPERATING TEMPERATURE	NORMAL – GREEN LED		1. CONFIRMING REQUIREMENT TO ISO 7240:10.
11. OUTPUT	FIRE – RED LED FLASHING		2. CONFIRMING REQUIREMENT TO NFPA72E.
	-20°C TO +60°C		3. CONFIRMING REQUIREMENT OF FM STANDARDS. CLASS NO.3260
	1. ONE SET OF NO-COM-NC CONTACT FOR FIRE PLUS ONE SET OF DUPLICATE NO-COM-NC CONTACT.		
	2. ONE SET OF NO-COM-NC CONTACT FOR FAULT PLUS ONE SET OF DUPLICATE NO-COM-NC CONTACT.		
	3. ZONE DETECTOR LINE TO CONNECT DIRECTLY STANDARD CONVENTIONAL FIRE ALARM PANEL		

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.

PACKING SIZE : 305(L) x 220(B) x 210(H) (all in mm)

PACKING WEIGHT : 3.5 kg.Max

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