

fladet[®] SERIES...

DATA SHEET

TRIPLE SENSOR - UV & IR FLAME DETECTOR FOR FLAMEPROOF AREA APPLICATION

PART NO : IH8227

DOC. NO: DP-5.8/MT-275

DATE: NOV. 2023

REVISION :07

SCALE : N.T.S

SHEET:1 OF 2

APPD. BY : DBS

REV : 05 - JAN-2020 : REV 05 - CHANGES IN PRODUCT NAME AND TECHNICAL SPECIFICATIONS.

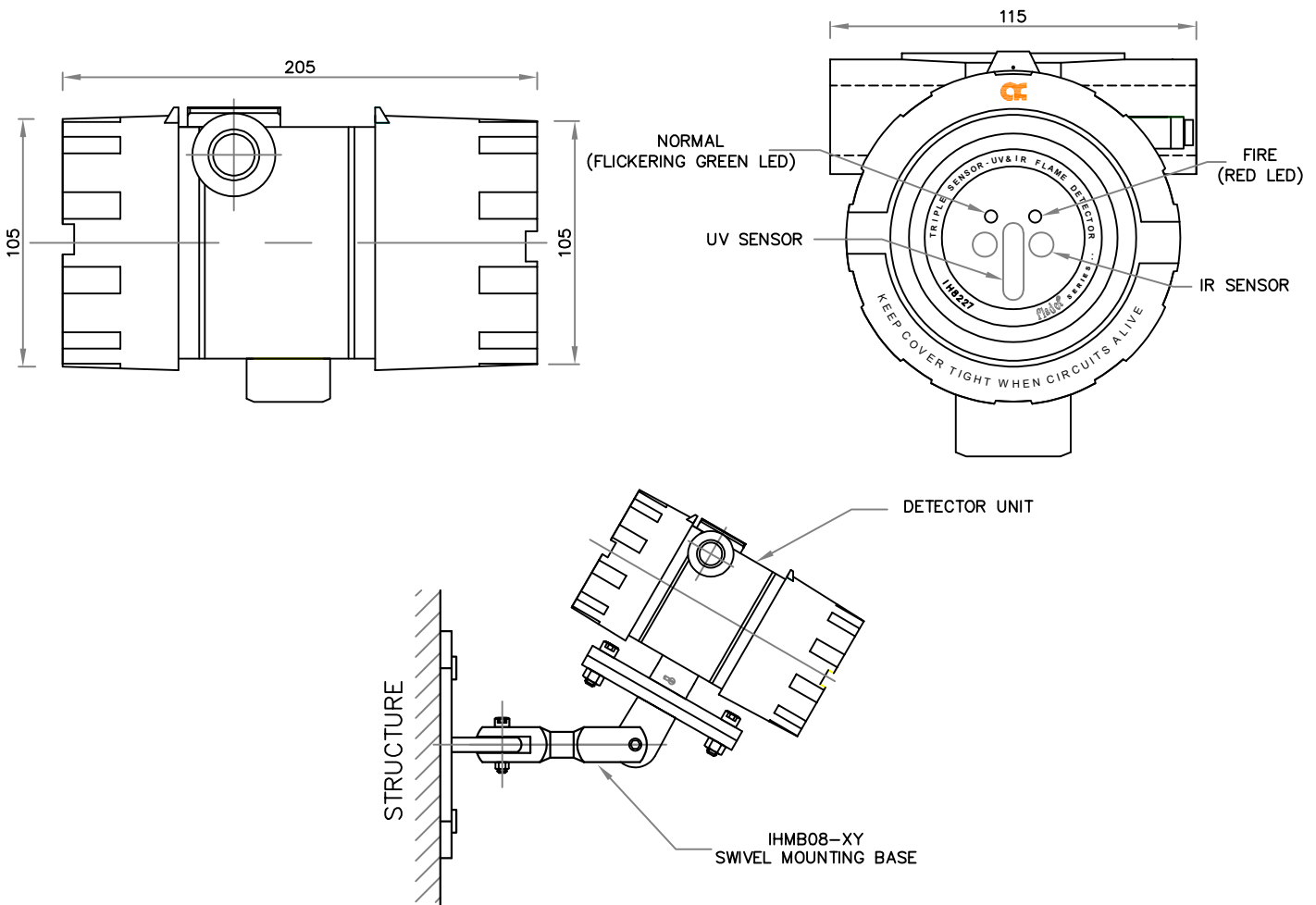
REV : 06 - JUNE-2021 : REV 06 - CHANGES IN PESO APPROVAL IDENTIFICATION NUMBER.

REV : 07 - NOV.-2023 : REV 07 - CERTIFICATION DETAILS UPDATED.

INTRODUCTION :-

TRIPLE SENSOR - UV & IR FLAME DETECTOR WITH SUITABLE FLAMEPROOF ENCLOSURE TO DETECT FLAME. 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 ONLY WHEN BOTH UV AND IR SENSORS ARE ACTUATED.

NOTE : THIS DATASHEET CAN BE ALSO REFERRED AS DOC. NO: DP-5.8/MT-275



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

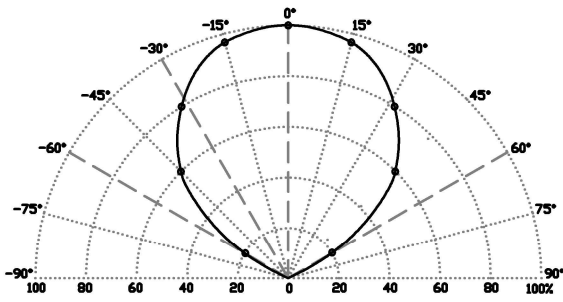
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**ISO 9001 - 2015
BUREAU VERITAS
CERTIFICATION**

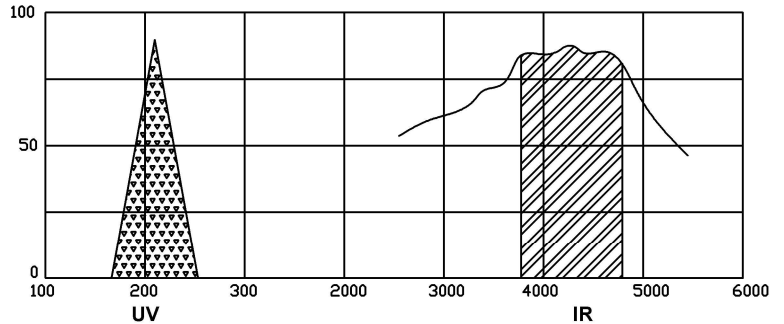
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ANGULAR SENSITIVITY



TRIPLE SENSOR - UV & IR DETECTOR SPECTRAL RESPONSE



TECHNICAL SPECIFICATION FOR PART NO.: IH8227

<p>01. MANUFACTURER</p> <p>02. SUPPLY</p> <p>03. QUIESCENT CURRENT</p> <p>04. ALARM CURRENT</p> <p>05. RELAY CONTACT RATING</p> <p>06. CABLE ENTRY</p> <p>07. SENSING ELEMENT</p> <p>08. RANGE</p> <p>09. INDICATION</p> <p>10. OPERATING TEMPERATURE</p> <p>11. OUTPUT</p>	<p>fladet SERIES...</p> <p>AGNI CONTROLS – CHENNAI</p> <p>24V DC \pm 20%, (RESETTABLE)</p> <p><80mA</p> <p><150mA</p> <p>1A AT 24V DC, 0.5A AT 120V AC</p> <p>M25X1.5 – 2 Nos.</p> <p>UV & IR</p> <p>UV-185 – 260nm</p> <p>IR-3000 – 5000nm</p> <p>NORMAL – FLICKERING GREEN LED</p> <p>FIRE – RED LED</p> <p>-40°C TO +60°C</p> <p>1. ONE SET OF NO-COM-NC CONTACT FOR FIRE PLUS ONE SET OF DUPLICATE NO-COM-NC CONTACT.</p> <p>2. ONE SET OF NO-COM-NC CONTACT FOR FAULT PLUS ONE SET OF DUPLICATE NO-COM-NC CONTACT.</p> <p>3. ZONE DETECTOR LINE TO CONNECT DIRECTLY STANDARD CONVENTIONAL FIRE ALARM PANEL</p>	<p>12. ENCLOSURE MAKE</p> <p>13. MATERIAL</p> <p>14. FASTENERS</p> <p>15. EQUIPMENT RATING</p> <p>16. CERTIFICATION FOR ENCLOSURE</p> <p>17. APPROVAL / CONFIRMATION / CERTIFICATION</p> <p>18. SENSITIVITY SELECTION</p>	<p>LIMATHERM,POLAND</p> <p>CAST ALUMINIUM LM6</p> <p>SS 304</p> <p>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).</p> <p>1026 Ex II 2G Ex db IIC Gb</p> <p>1026 Ex II 2D Ex tb IIIC Db</p> <p>FM APPROVED FM APPROVAL FOR ENCLOSURE. XD-IDAC,REPORT NO.3047332</p> <p>ATEX APPROVAL FOR ENCLOSURE. CERTIFICATE NUMBER: FTZU 04 ATEX 0332U</p> <p>PESO APPROVAL FOR ENCLOSURE. CCEs IDENTIFICATION NUMBER : P505939/1.</p> <p>1. CONFIRMING REQUIREMENT NFPA 72E.</p> <p>2. CONFIRMING REQUIREMENT OF FM STANDARDS. CLASS NO.3260</p> <p>RANGE OF SELECTIONS</p> <p>(a) LOW SENSITIVITY – 1</p> <p>(b) NORMAL SENSITIVITY – 2</p> <p>(c) HIGH SENSITIVITY (FACTORY SET) – 3</p> <p>(d) VERY HIGH SENSITIVITY – 4</p>
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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 10 sec or second pulse 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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