

# fladet<sup>®</sup> SERIES...

## DATA SHEET

## UV FLAME DETECTOR

PART NO : IH167

OLD DWG. NO:DP-5.8/08-081

DATE: JUN. 2019

REVISION : 03

SCALE : N.T.S

SHEET: 1 OF 2

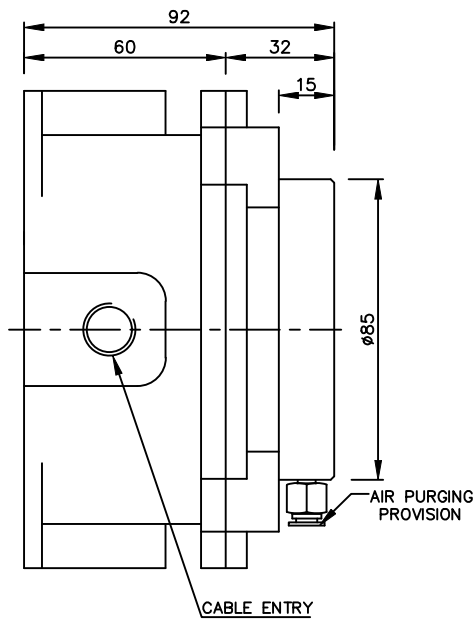
APPD. BY :

NEW DOC. NO:DP-5.8/MT-037

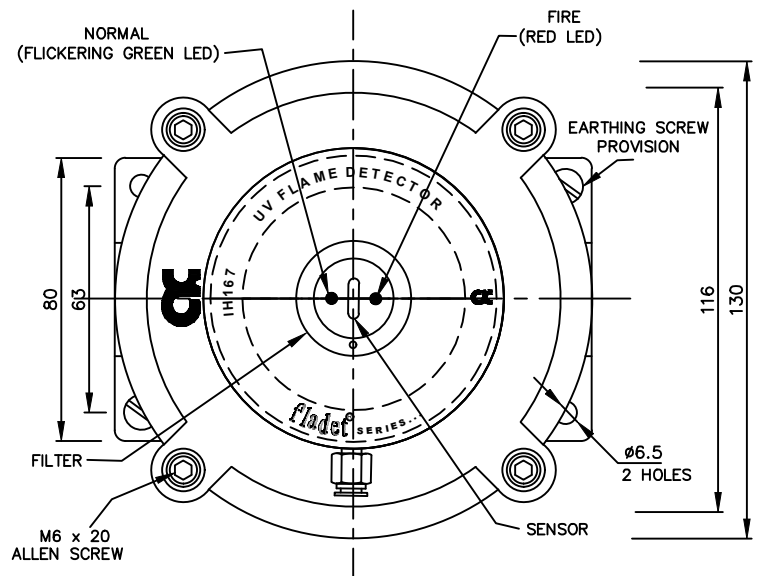
REV-01-SEP.2014 : NAME PLATE DETAILS ADDED.  
 REV-02-MAY.2018 : NAME PLATE POSITION CHANGE.  
 REV-03-JUN 2019 : CHANGES IN DIMENSION AND ADDING ISO 9001:2015.

**INTRODUCTION :-**

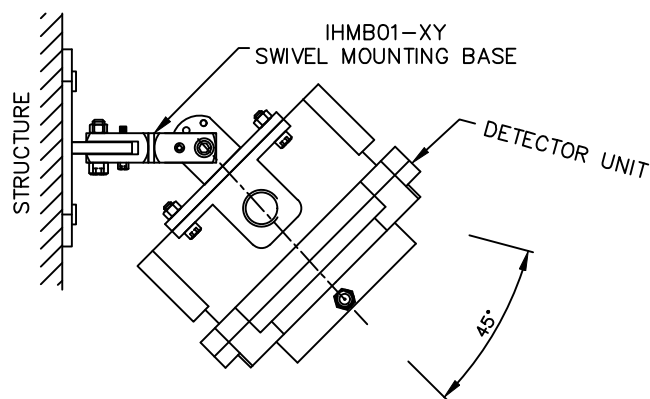
UV FLAME DETECTOR WITH IP 67 ENCLOSURE. THE DETECTOR CAN DETECT FLAME. THE DETECTOR HAS PROVISION TO CONNECT DIRECTLY TO ANY STANDARD CONVENTIONAL FIRE ALARM PANEL OR TO CONNECT WITH ANNUNCIATOR OR PLC USING POTENTIAL FREE 'NO' CONTACTS.  
**NOTE :** THIS DATASHEET CAN BE ALSO REFERRED AS NEW DOC. NO:DP-5.8/CP-037



**SIDE VIEW**



**ELEVATION**



**RECOMMENDED MOUNTING ARRANGEMENT**

**NOTE :**

1. ALL DIMENSIONS ARE IN "mm" UNLESS OTHERWISE SPECIFIED.
2. TOLERANCE ON DIMENSION  $\pm 3$  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 CHENNAI**  
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**ISO 9001 - 2015  
 CERTIFIED BY  
 BUREAU VERITAS**

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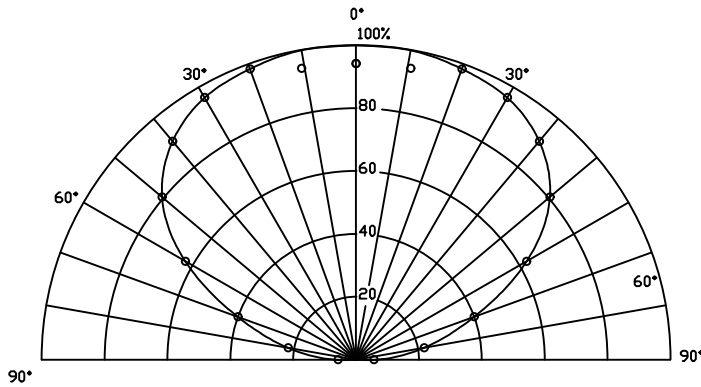
SCALE : N.T.S

SHEET: 2 OF 2

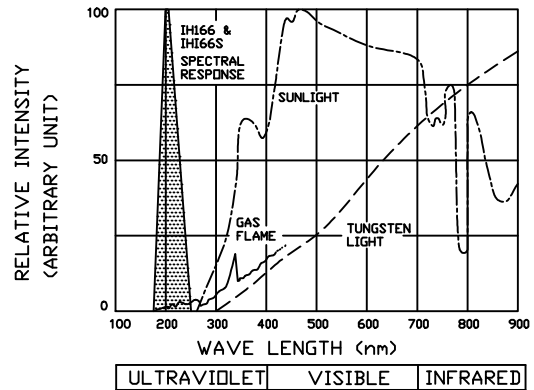
APPD. BY : *[Signature]*

NEW DOC. NO: DP-5.8/MT-037

### ANGULAR SENSITIVITY



### UV DETECTOR SPECTRAL RESPONSE



#### COMMON TECHNICAL SPECIFICATION FOR PART NO.: IH167

#### TECHNICAL SPECIFICATION FOR MODEL NO. APFP-T2060-ODA

01.	MANUFACTURER	fladet <sup>®</sup> SERIES...
02.	SUPPLY	AGNI CONTROLS - CHENNAI
03.	QUIESCENT CURRENT	24V DC ± 20%, (RESETTABLE)
04.	ALARM CURRENT	<40mA
05.	RELAY CONTACT RATING	<120mA
06.	CABLE ENTRY	5A AT 30V DC, 1A AT 250V AC
07.	SENSING ELEMENT	3/4" ET / M20X1.5 - 3 Nos.
08.	MATERIAL	UV
09.	FINISH	CAST ALUMINIUM LM6
10.	PROTECTION CLASS	ENCLOSURE-HAMMER TONE GRAY
11.	FASTENERS	IP 67
12.	RANGE	SS 304
13.	INDICATION	UV - 185 TO 260nm
		NORMAL - FLICKERING GREEN LED
		FIRE - RED LED

01.	OUTPUT	<ol style="list-style-type: none"> <li>ONE SET OF NO-COM-NC CONTACT FOR FIRE PLUS ONE SET OF DUPLICATE NO-COM-NC CONTACT.</li> <li>ONE SET OF NO-COM-NC CONTACT FOR FAULT PLUS ONE SET OF DUPLICATE NO-COM-NC CONTACT.</li> <li>ZONE DETECTOR LINE TO CONNECT DIRECTLY STANDARD CONVENTIONAL FIRE ALARM PANEL.</li> </ol>
02.	OPERATING TEMPERATURE	-20°C TO +60°C
03.	APPLICATION	OUTDOOR & SEMI OUTDOOR
04.	APPROVAL / CONFIRMATION / CERTIFICATION	<ol style="list-style-type: none"> <li>IP PROTECTION CERTIFIED BY ETCDC</li> <li>CONFIRMING REQUIREMENT NFPA 72E.</li> <li>CONFIRMING REQUIREMENT OF FM STANDARDS. CLASS NO.3260</li> <li>CONFIRMING REQUIREMENT OF IS-2189</li> </ol>

#### INSTALLATION CONSIDERATION :

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

#### MAINTENANCE & INSPECTION:

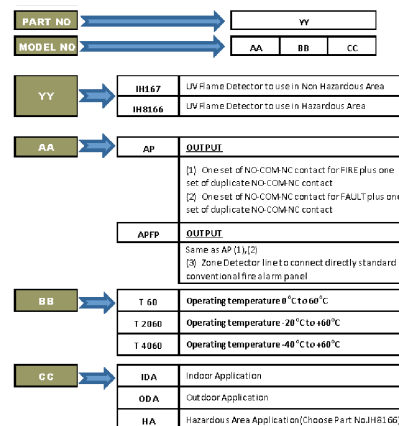
To assure maximum detector sensitivity, keep the surface of the optical filter free from dirt or other contaminants at all times. Periodically test the sensitivity of the detector using a controlled flame or lighter flame. Inbuilt air purging provision may be used by connecting external compressed air to clean the surface of the detector. The unit is ready for flame detection after 10 sec or second pulse of green LED, If whenever input supply is switch ON or reset.

**Note:** For more details refer installation and maintenance manual (DP-5.8/CP-MT-037/2)

**Packing Size :** 305(L) x 220(B) x 210(H) (all in mm)

**Packing Weight :** 3.5 kg.Max

#### Part & Model No. selection



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