

# fladet<sup>®</sup> SERIES...

DATA SHEET

## 4 IR SPARK DETECTOR MODULE

PART NO: IH163/6

DOC. NO: DP-5.8/MT-292

DATE: JULY 2013

REVISION : 00

DATE: MAY. 2014

REVISION : 01

DATE: APR. 2016

REVISION : 02

SCALE : N.T.S

SHEET: 1 OF 1

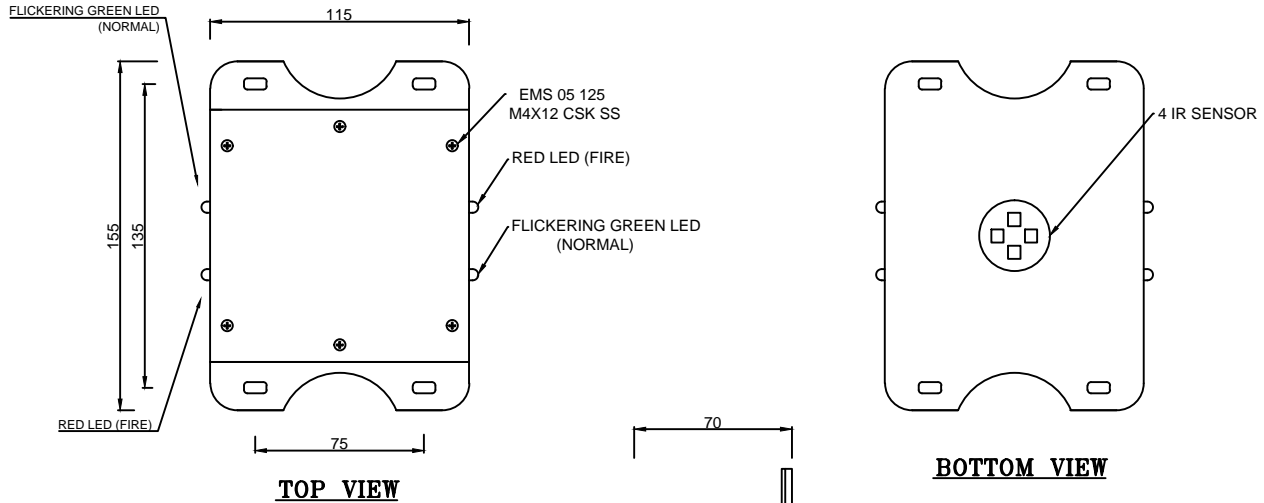
APPD. BY :



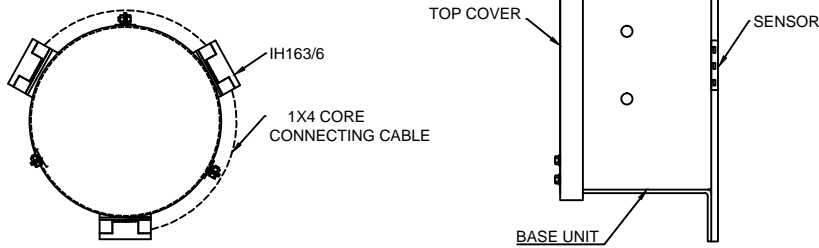
REV-01-MAY.2014: BOTTOM VIEW INCLUDED.  
REV-02-APR.2016: IP PROTECTION DETAILS ADDED.

**INTRODUCTION :-**

4 IR SPARK DETECTOR MODULE SUITABLE FOR MOUNTING DIRECTLY ON DUCT / MACHINERY TO CONNECT WITH FIRE ALARM PANEL/ ANNUNCIATION PANEL/ PLC USING SUITABLE POTENTIAL FREE CONTACTS.  
NOTE: THIS DATASHEET CAN BE ALSO REFERRED AS DOC. NO: DP-5.8-CP-292



**TYPICAL MOUNTING ARRANGEMENT IN DUCT**



**NOTES:-**

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

**TECHNICAL SPECIFICATION**

01.	MANUFACTURER	AGNI CONTROLS - CHENNAI	12.	INDICATION	NORMAL-FLICKERING GREEN LEDS FIRE - RED LEDS
02.	MODEL NO.	fladet IH163/6 - APFP	13.	OUTPUT	1. POTENTIAL FREE 'NO' CONTACT FOR FIRE. 2. POTENTIAL FREE 'NC' CONTACT FOR FAULT. ( 'NC' CONTACT REMAINS 'NO' WHEN DETECTOR IS WORKING)
03.	FINISH	POWDER COATING L GRAY	14.	RELAY CONTACT RATING	1A AT 24V DC, 0.5A AT 120V AC
04.	PRINCIPLE OF DETECTION	IR DETECTION TECHNOLOGY	15.	APPROVAL / CONFORMANCE / CERTIFICATION	IP PROTECTION CERTIFIED BY ETDC
05.	RANGE	400 nm TO 1100 nm			
06.	OPERATING TEMPERATURE	-20°C TO +60°C			
07.	OPERATION	4 WIRE SYSTEM-2 WIRE FOR RESETTABLE 24VDC $\pm 20\%$ INPUT SUPPLY 2 WIRE TO CONNECT OUTPUT SIGNAL.			
08.	RESPONSE TIME	MOMENTARY			
09.	QUIESCENT CURRENT	< 40mA			
10.	ALARM CURRENT	< 100mA			
11.	IP PROTECTION	IP 65			

**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.



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