

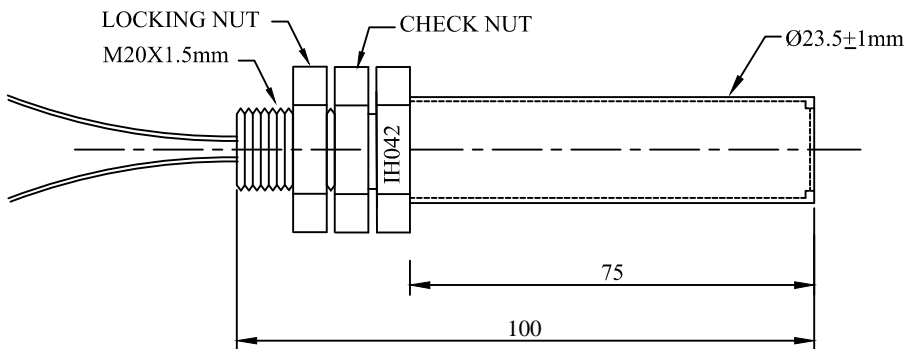
# fladet<sup>®</sup> SERIES...

<b>DATA SHEET</b>	<b>PROBE TYPE HEAT DETECTOR WITH SS JUNCTION BOX (150-230)°C</b>	PART NO :IH042-H- *(150-230)°C-JSS			
DOC. NO.:DP-5.8/MT-742	DATE: JUNE, 2024	REVISION :00	SCALE : N.T.S	SHEET: 1 OF 2	APPD. BY : DB

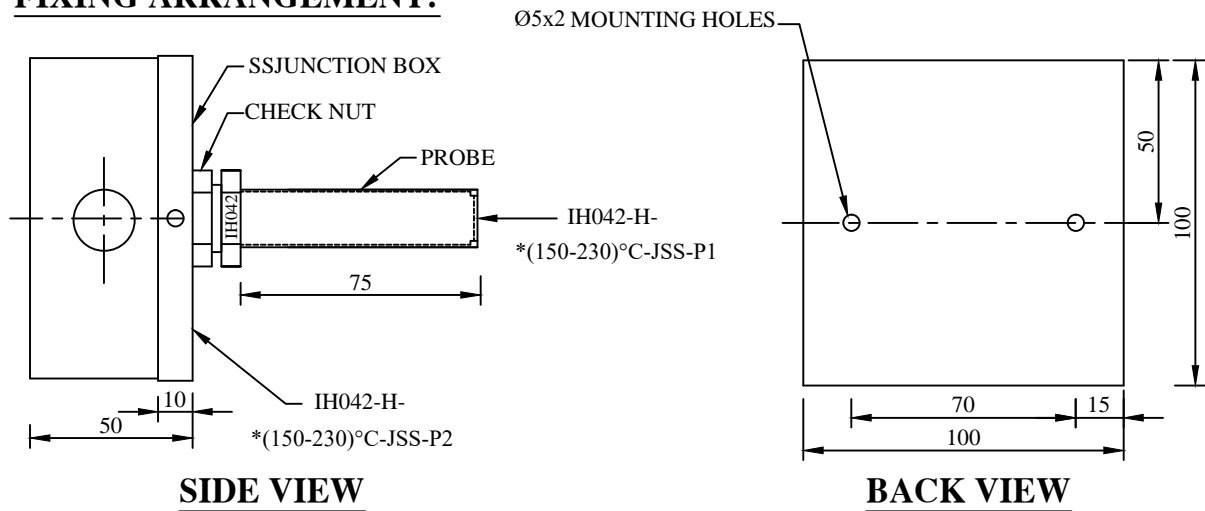
**INTRODUCTION :-**

PROBE TYPE FIXED TEMPERATURE HEAT DETECTOR IS USED IN SPECIAL APPLICATIONS WHERE ELECTRONICS TYPE FIRE DETECTORS ARE NOT SUITABLE.

NOTE-A:- THIS DATASHEET CAN BE ALSO REFERRED AS DOC. NO.:DP-5.8/CP-742



**FIXING ARRANGEMENT:**



**NOTE B:**

1. ALL DIMENSIONS ARE IN "mm" UNLESS OTHERWISE SPECIFIED.
2. TOLERANCE ON DIMENSION ± 3 mm, UNLESS OTHERWISE SPECIFIED.
3. THIS MODEL TO BE USED ONLY FOR INDOOR APPLICATIONS.
4. \* : TEMPERATURE SET POINT TO BE CONFIRMED DURING ORDER PLACEMENT

**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.



NO.1, 6TH STREET, Dr.SUBBARAYAN NAGAR,  
KODAMBAKKAM, CHENNAI-600 024, INDIA.

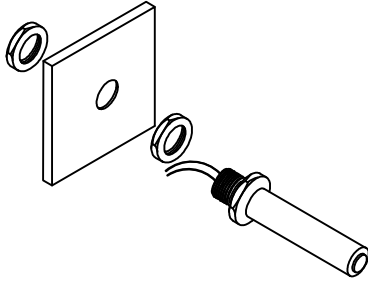
PHONE : +91 44 2481 2420

E-MAIL :engineering@agnicontrols.com

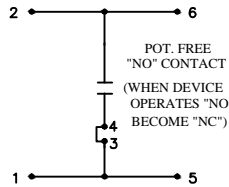
ISO 9001 - 2015  
CERTIFIED COMPANY

# fladet<sup>®</sup> SERIES...

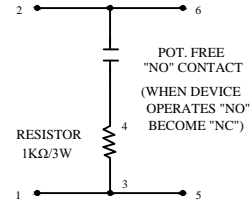
<b>DATA SHEET</b>	<b>PROBE TYPE HEAT DETECTOR WITH SS JUNCTION BOX (150-230)°C</b>	PART NO :IH042-H- *(150-230)°C-JSS			
DOC. NO.:DP-5.8/MT-742	DATE:JUNE. 2024	REVISION :00	SCALE : N.T.S	SHEET: 2 OF 2	APPD. BY : DB



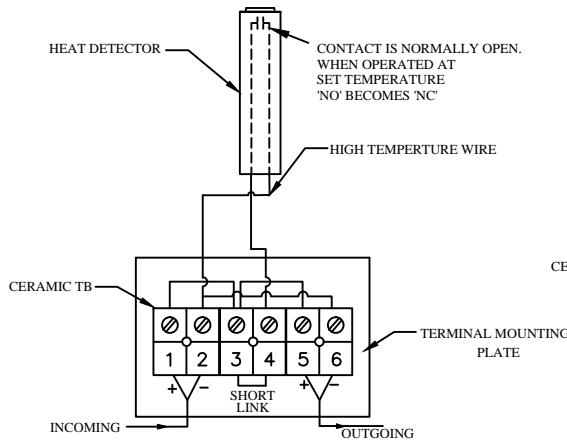
**FIXING ARRANGEMENT**



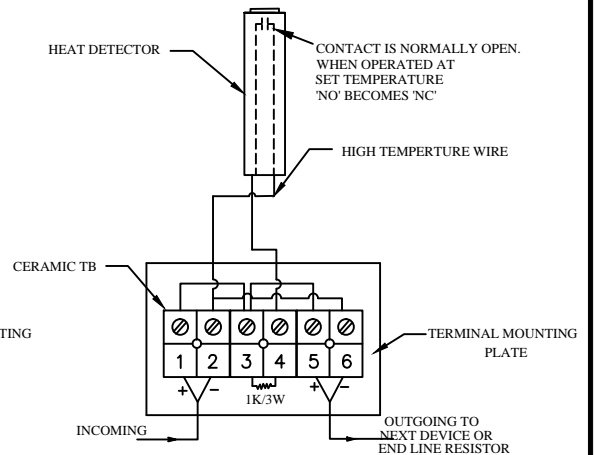
**TYPE - I  
EQUIVALENT CIRCUIT  
FIG. 1**



**TYPE - II  
EQUIVALENT CIRCUIT FOR  
2 WIRE CONVENTIONAL SYSTEM  
FIG. 2**



**FIG. 3  
TYPE - I FOR  
ADDRESSABLE FIRE ALARM SYSTEM**



**FIG. 4  
TYPE - II FOR  
CONVENTIONAL 2 WIRE FIRE ALARM SYSTEM**

S.NO	PART NO**	DESCRIPTION
01.	IH042-H-150-JSS-NO	150°C, NORMALLY OPEN
02.	IH042-H-160-JSS-NO	160°C, NORMALLY OPEN
03.	IH042-H-170-JSS-NO	170°C, NORMALLY OPEN
04.	IH042-H-180-JSS-NO	180°C, NORMALLY OPEN
05.	IH042-H-190-JSS-NO	190°C, NORMALLY OPEN
06.	IH042-H-200-JSS-NO	200°C, NORMALLY OPEN
07.	IH042-H-210-JSS-NO	210°C, NORMALLY OPEN
08.	IH042-H-220-JSS-NO	220°C, NORMALLY OPEN
09.	IH042-H-230-JSS-NO	230°C, NORMALLY OPEN

**NOTE C:**

1. HEAT DETECTOR IS CONNECTED WITH SHORT LINK.
2. ONE SHORT LINK AND ONE RESISTOR LINK ARE PROVIDED AS SPARE / ACCESSORIES.
3. USE ANY ONE LINK AS PER REQUIREMENT.

**TECHNICAL SPECIFICATION**

HEAT DETECTOR PART NO: IH042-H-*(150-230)°C-JSS-P1			JUNCTION BOX PART NO: IH042-H-*(150-230)°C-JSS-P2		
01.	MAKE	AGNI CONTROLS	01.	MAKE	AGNI CONTROLS
02.	TEMPERATURE SETTING	150°/160°/170°/180°/190°/200°/210°/220°/230° (FIXED TEMPERATURE ANY ONE SETTING ONLY)	02.	a) MATERIAL OF CONSTRUCTION -JUNCTION BOX	SS SHEET METAL
03.	TYPE OF SENSING ELEMENT	BI-METAL FIXED TEMPERATURE AUTO RESET TYPE	02.	b) PAINT SHADE	PO RED
04.	PROBE BODY	ALUMINIUM	03.	CABLE ENTRY SIZE	Ø19mm KNOCKOUT HOLES
05.	SETTING TEMPERATURE TOLERANCE	± 7%	04.	NO. OF CABLE ENTRY	4 Nos.
06.	CURRENT RATING	240V AC - 10A, 110V AC - 10A, 250V DC - 2.5A, 24V DC - 7A,	05.	APPLICATION	INDOOR APPLICATION ONLY.
07.	PROTECTION	IP 67 (PROBE ASSEMBLY ONLY)			

**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.



NO.1, 6TH STREET, Dr.SUBBARAYAN NAGAR,  
KODAMBAKKAM, CHENNAI-600 024, INDIA.

PHONE : +91 44 2481 2420,  
E-MAIL :engineering@agnicontrols.com

ISO 9001 - 2015  
CERTIFIED COMPANY