

# fladet<sup>®</sup> SERIES...

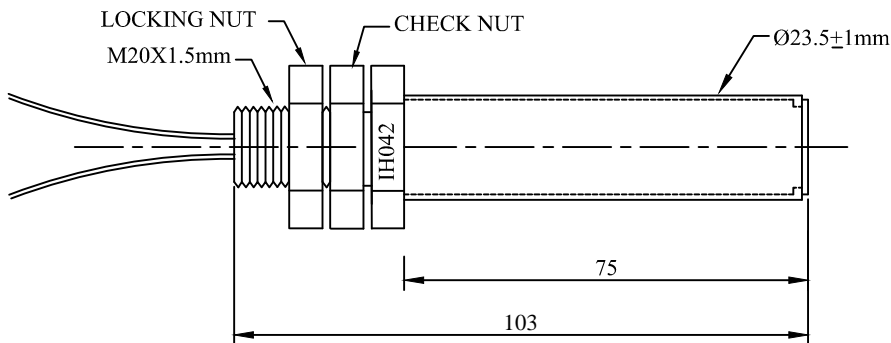
<b>DATA SHEET</b>	<b>PROBE TYPE HEAT DETECTOR WITH MS JUNCTION BOX (85-100)°C</b>	PART NO : IH042-L- *(85-100)°C-JMS			
DOC. NO.:DP-5.8/MT-015	DATE: JUNE. 2024	REVISION :07	SCALE : N.T.S	SHEET: 1 OF 2	APPD. BY : DB

**INTRODUCTION :-**

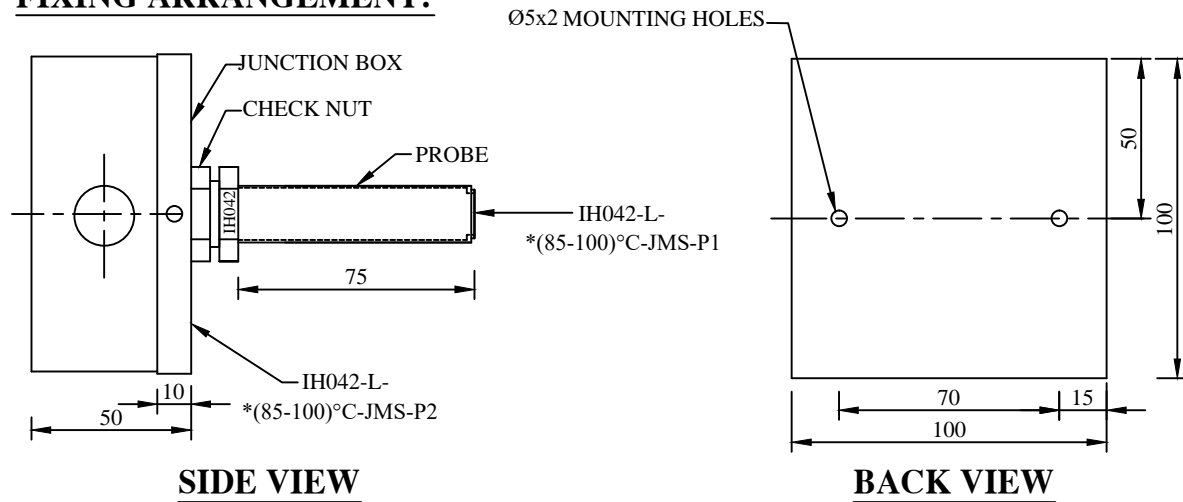
PROBE TYPE FIXED TEMPERATURE HEAT DETECTOR IS USED IN SPECIAL APPLICATIONS WHERE ELECTRONICS TYPE FIRE DETECTORS ARE NOT SUITABLE.

**NOTE-A:-** THIS DATASHEET CAN BE ALSO REFERRED AS DOC. NO.:DP-5.8/CP-015

REV 07: TEMPERATURE RANGES UPDATED.



**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 RANGE AS PER CUSTOMER SPECIFICATION.

**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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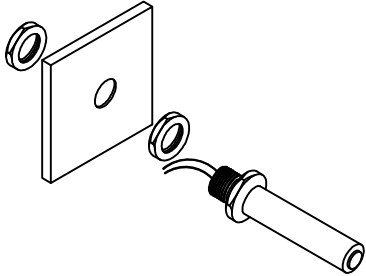
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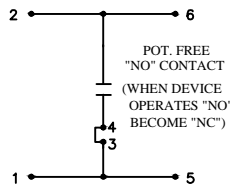
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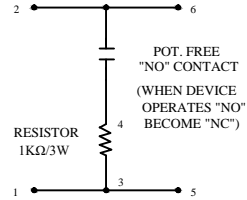
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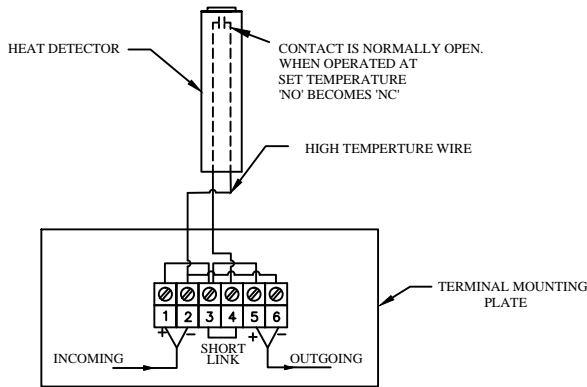
**FIXING ARRANGEMENT**



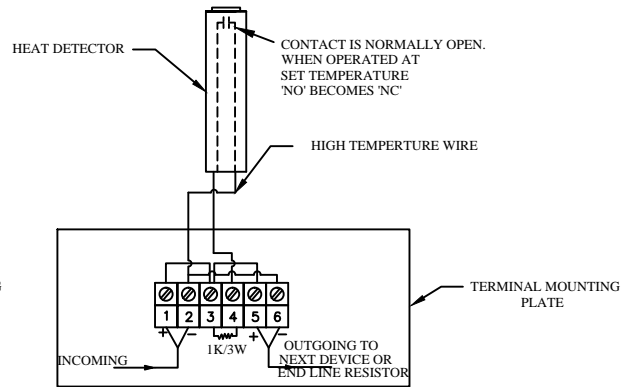
**TYPE - I  
EQUIVALENT CIRCUIT  
FIG. 1**



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



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



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

S.NO	PART NO**	DESCRIPTION
01.	IH042-L-85-JMS-NO	85°C, NORMALLY OPEN
02.	IH042-L-90-JMS-NO	90°C, NORMALLY OPEN
03.	IH042-L-95-JMS-NO	95°C, NORMALLY OPEN
04.	IH042-L-100-JMS-NO	100°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-L-*(85-100)°C-JMS-P1			JUNCTION BOX PART NO: IH042-L-*(85-100)°C-JMS-P2		
01.	MAKE	AGNI CONTROLS - CHENNAI	01.	MAKE	AGNI CONTROLS - CHENNAI
02.	TEMPERATURE SETTING	85°/90°/95°/100°C (FIXED TEMPERATURE ANY ONE SETTING ONLY)	02.	a) MATERIAL OF CONSTRUCTION	MS SHEET METAL
03.	TYPE OF SENSING ELEMENT	BI-METAL FIXED TEMPERATURE AUTO RESET TYPE		b) PAINT SHADE	PO RED
04.	PROBE BODY	ALUMINIUM	03.	CABLE ENTRY SIZE	Ø19mm KNOCKOUT HOLES
05.	SETTING TEMPERATURE TOLERANCE	± 5% UPTO 90°C AND ± 7% FOR HIGHER TEMPERATURES	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)			

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