

DATA SHEET

**PROBE TYPE HEAT DETECTOR
WITH SS JUNCTION BOX (150-250)°C**

PART NO :IH042-H-
*(150-250)°C-JSS

DOC. NO.:DP-5.8/MT-742

DATE: JULY 2025

REVISION :02

SCALE : N.T.S

SHEET: 1 OF 2

APPD. BY : DB

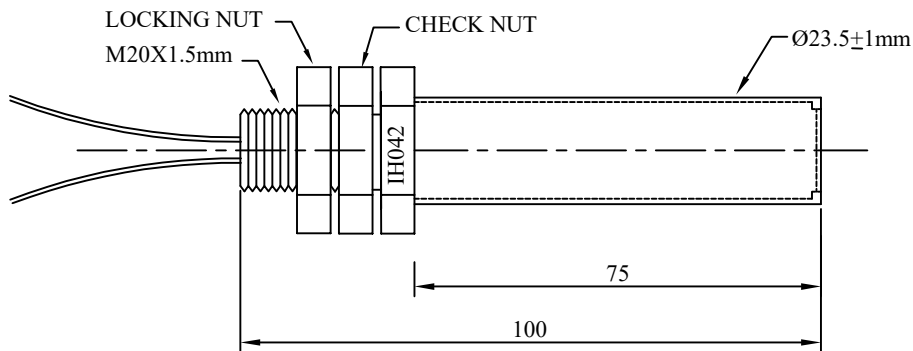
INTRODUCTION :-

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

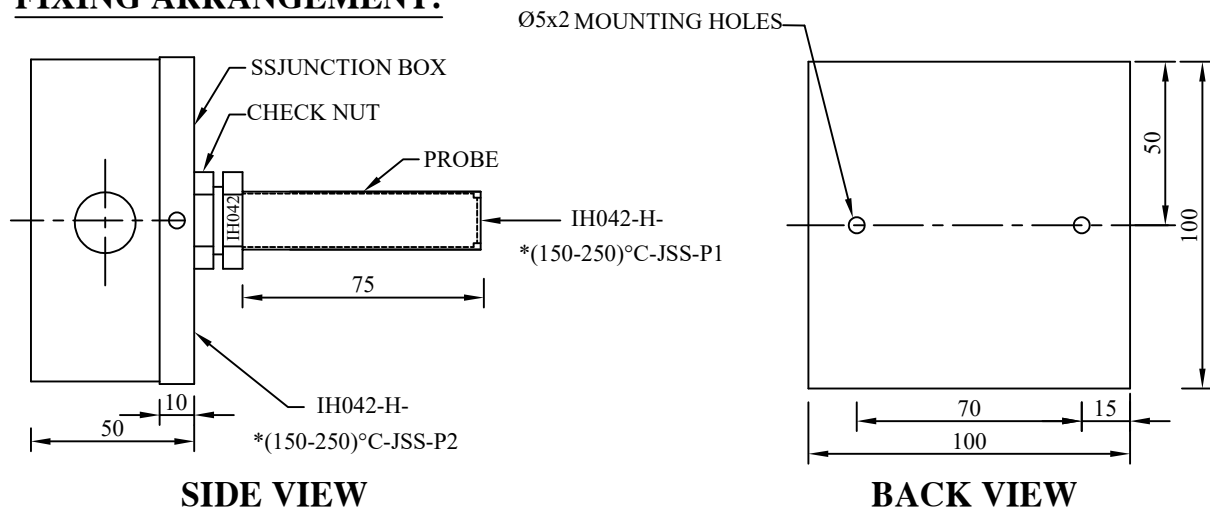
NOTE-A:- THIS DATASHEET CAN BE ALSO REFERRED AS DOC. NO.:DP-5.8/CP-742

REV-01: SHORT LINK(+,-) REMOVED

REV-02: ADD NOTE IN C.



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.

AGNI CONTROLS

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

PHONE : +91 44 2481 2420

E-MAIL : engineering@agnicontrols.com

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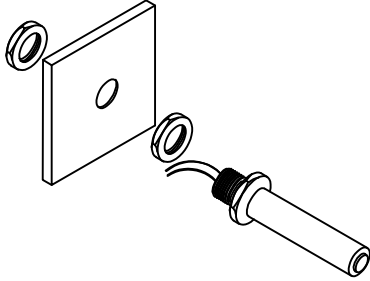
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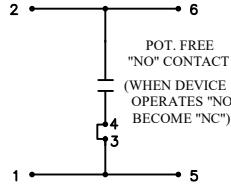
SCALE : N.T.S

SHEET: 2 OF 2

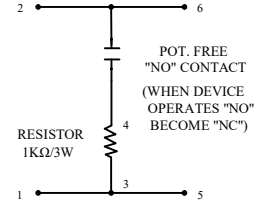
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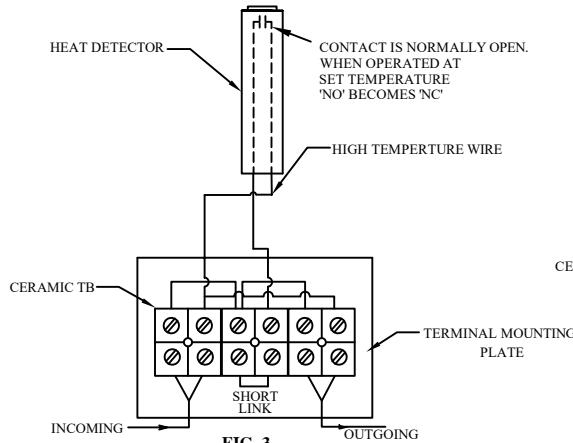
FIXING ARRANGEMENT



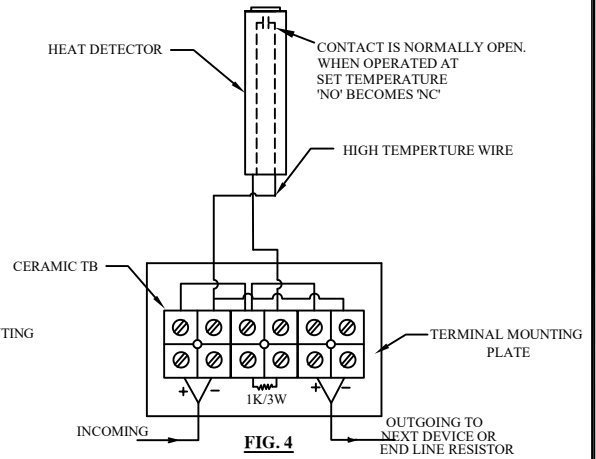
**TYPE - I
EQUIVALENT CIRCUIT
FIG. 1**



**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
10.	IH042-H-240-JSS-NO	240°C, NORMALLY OPEN
11.	IH042-H-250-JSS-NO	250°C, NORMALLY OPEN

NOTE C:

- HEAT DETECTOR IS CONNECTED WITH SHORT LINK.
- ONE SHORT LINK AND ONE RESISTOR LINK ARE PROVIDED AS SPARE / ACCESSORIES.
- USE ANY ONE LINK AS PER REQUIREMENT.
- AUTO RESET MAY BE AFFECTED IF DETECTOR IS EXPOSED 20% OF SET TEMPERATURE.

TECHNICAL SPECIFICATION

HEAT DETECTOR PART NO: IH042-H-*(150-250)°C-JSS-P1

JUNCTION BOX PART NO: IH042-H-*(150-250)°C-JSS-P2

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

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