

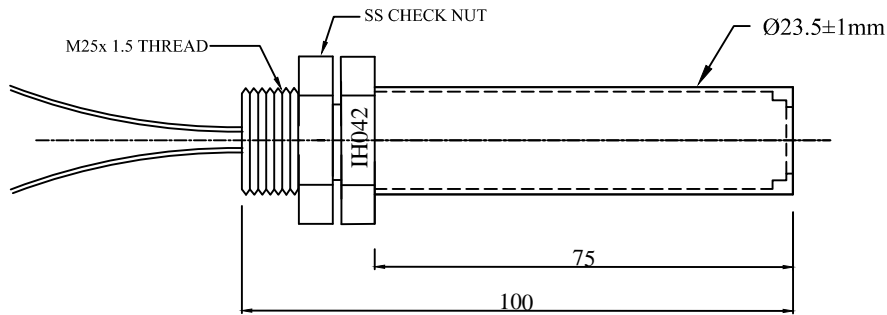
# fladet<sup>®</sup> SERIES...

<b>DATA SHEET</b>	<b>SS PROBE TYPE HEAT DETECTOR WITH EXPLOSION PROOF JUNCTION BOX (150-230)°C</b>	PART: IH042-H-SS- *(150-230)°C-JAX			
DOC.NO: DP-5.8/MT-747	DATE: JUNE. 2024	REVISION : 00	SCALE : N.T.S	SHEET: 1 OF 2	APPD. BY :DB

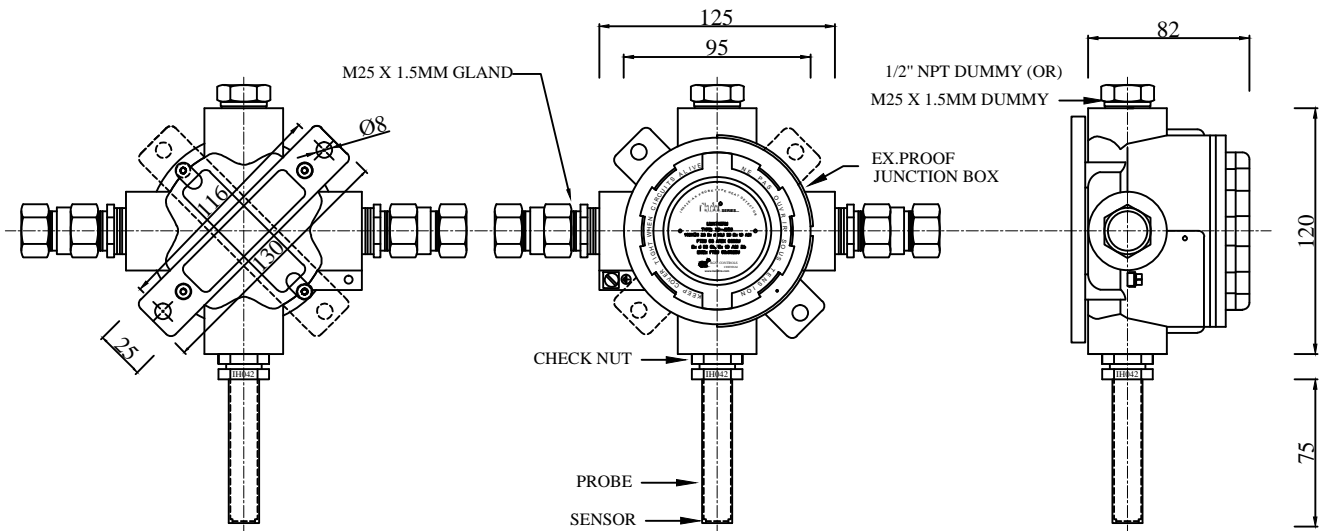
**INTRODUCTION :-**

PROBE TYPE FIXED TEMPERATURE HEAT DETECTOR IS USED IN SPECIAL APPLICATIONS. EXPLOSION PROOF JUNCTION BOX IS USED WHEREVER APPLICABLE.

**NOTE A:-** THIS DATA SHEET CAN BE ALSO REFERRED AS DOC. NO.:DP-5.8/CP-747



**FIXING ARRANGEMENT:**



**BACK VIEW**

**FRONT VIEW**

**SIDE VIEW**

**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 OUTDOOR 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.



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## DATA SHEET

## SS PROBE TYPE HEAT DETECTOR WITH EXPLOSION PROOF JUNCTION BOX (150-230)°C

PART: IH042-H-SS-  
\*(150-230)°C-JAX

DOC.NO: DP-5.8/MT-747

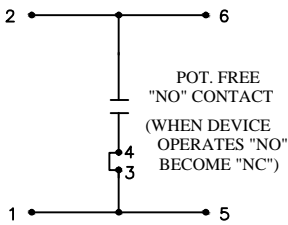
DATE: JUNE. 2024

REVISION : 00

SCALE : N.T.S

SHEET: 2 OF 2

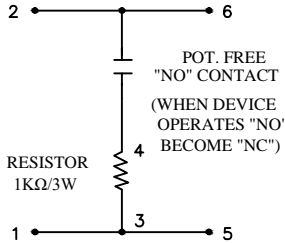
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**TYPE - I**

**EQUIVALENT CIRCUIT**

**FIG. 1**

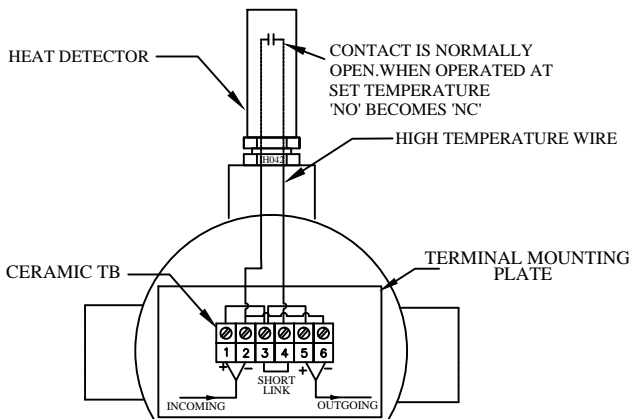


**TYPE - II**

**EQUIVALENT CIRCUIT FOR  
2 WIRE CONVENTIONAL SYSTEM**

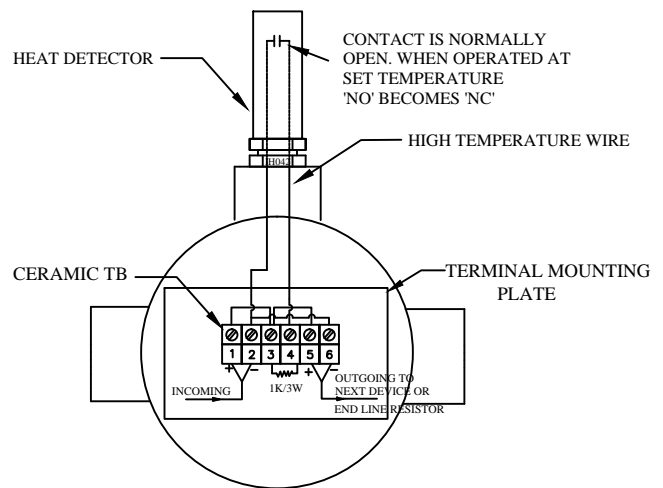
**FIG. 2**

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



**FIG. 3**

**TYPE - I FOR  
ADDRESSABLE FIRE ALARM SYSTEM**



**FIG. 4**

**TYPE - II FOR  
CONVENTIONAL 2 WIRE FIRE ALARM SYSTEM**

**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.

### TECHNICAL SPECIFICATION

**HEAT DETECTOR PART NO: IH042-H-SS-\*(150-230)°C-JAX-P1**

**JUNCTION BOX PART NO: IH042-H-SS-\*(150-230)°C-JAX-P2**

01.	MAKE	AGNI CONTROLS
02.	TEMPERATURE SETTING	150°/160°/170°/180°/200°/210°/220°/230°C (FIXED TEMPERATURE ANY ONE SETTING ONLY)
03.	TYPE OF SENSING ELEMENT	BI-METAL FIXED TEMPERATURE AUTO RESET TYPE
04.	PROBE BODY	SS 316
05.	TOLERANCE	± 7%
06.	CURRENT RATING	230V AC - 2A, 110V AC - 5A, 125V DC - 0.5A, 48V DC - 1A, 24V DC - 2A
07.	MATERIAL	MACHINED/CASTING ALUMINIUM PART
08.	PROTECTION	IP 67 (PROBE ASSEMBLY ONLY)

01.	ENCLOSURE MAKE	LIMATHERM EU
02.	ENCLOSURE MODEL NO	XD-JB85
03.	AREA CLASSIFICATION	ZONE 1, 2, 21 & 22
04.	HAZARDOUS AREA PROTECTION DETAILS	⊕ II 2G Ex db IIC Gb ⊕ II 2D Ex tb IIIC Db
05.	CERTIFICATION FOR ENCLOSURE	⊕ ATEX APPROVAL FOR ENCLOSURE. CERTIFICATION NUMBER: FTZU 05 ATEX 0262U ⊕ FM APPROVAL FOR ENCLOSURE. ORIGINAL PROJECT ID:3042541.
06.	CABLE ENTRY	M25 X 1.5MM
07.	TYPE	TO USE HAZARDOUS AREA.

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**AGNI CONTROLS**

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