

fladet[®] SERIES...

DATA SHEET

PROBE TYPE HEAT DETECTOR WITH EXPLOSION PROOF JUNCTION BOX (50-80)°C

PART: IH042-VL-
*(50-80)°C-JAX

DOC.NO:DP-5.8/MT-026

DATE:JUNE. 2024

REVISION :13

SCALE : N.T.S

SHEET: 1 OF 2

APPD. BY :DB

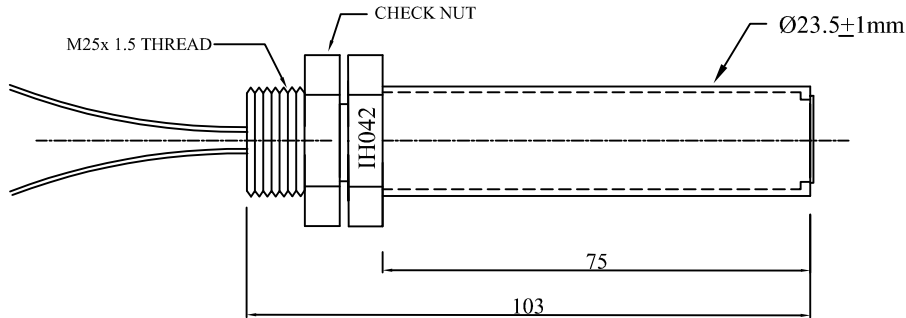
INTRODUCTION :-

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

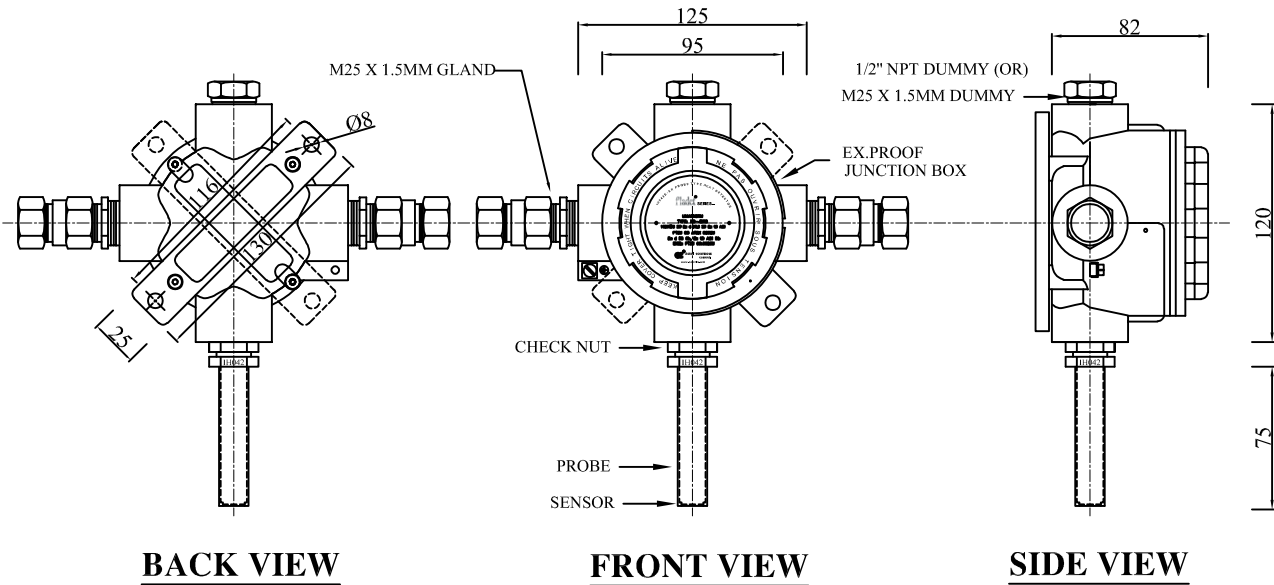
NOTE A: THIS DATASHEET CAN BE ALSO REFERRED AS DP-5.8/CP-026

REV-12: DATASHEET UPDATED FOR HIGHER TEMPERATURE SETTING

REV-13: TEMPERATURE RANGES UPDATED



FIXING ARRANGEMENT:



NOTE B:

1. ALL DIMENSIONS ARE IN "mm" UNLESS OTHERWISE SPECIFIED.
2. TOLERANCE ON DIMENSION $\pm 3 \text{ mm}$, UNLESS OTHERWISE SPECIFIED.
3. THIS MODEL TO BE USED 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.

AGNI CONTROLS

ISO 9001 - 2015
CERTIFIED COMPANY

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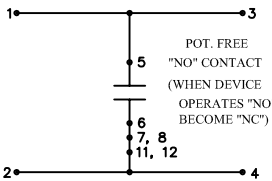
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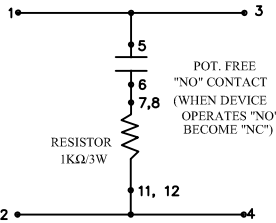
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SHEET: 2 OF 2

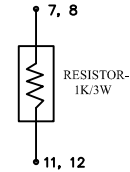
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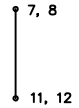
EQUIVALENT CIRCUIT
FIG. 1



**EQUIVALENT CIRCUIT FOR
2 WIRE CONVENTIONAL SYSTEM**
FIG. 2



RESISTOR LINK
FIG. 3



SHORT LINK
FIG. 4

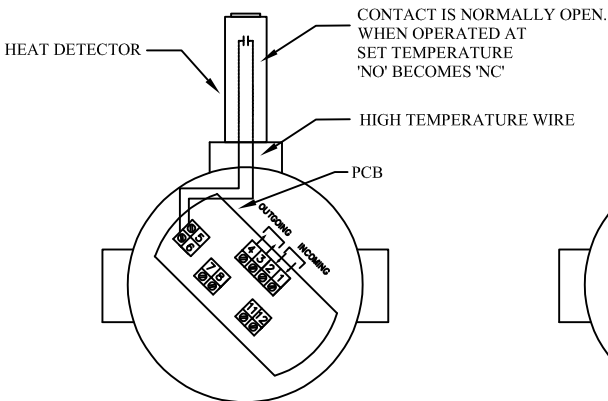
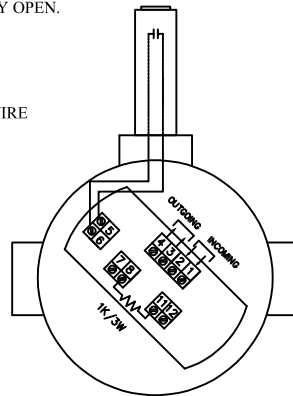
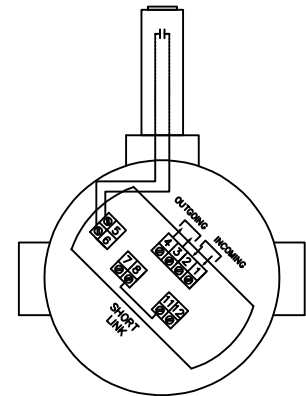


FIG. 5



WIRING WITH RESISTOR
FIG. 6



WIRING WITHOUT RESISTOR
FIG. 7

S.NO	PART NO**	DESCRIPTION
01.	IH042E-VL-50°C-JAX-NO	50°C, NORMALLY OPEN
02.	IH042E-VL-60°C-JAX-NO	60°C, NORMALLY OPEN
03.	IH042E-VL-65°C-JAX-NO	65°C, NORMALLY OPEN
04.	IH042E-VL-70°C-JAX-NO	70°C, NORMALLY OPEN
05.	IH042E-VL-75°C-JAX-NO	75°C, NORMALLY OPEN
06.	IH042E-VL-80°C-JAX-NO	80°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.

TECHNICAL SPECIFICATION

HEAT DETECTOR PART NO: IH042-VL-*(50-80)°C-JAX-P1			JUNCTION BOX PART NO: IH042-VL-*(50-80)°C-JAX-P2		
01.	MAKE	AGNI CONTROLS	01.	ENCLOSURE MAKE	LIMATHERM EU
02.	TEMPERATURE SETTING	50°/60°/65°/70°/75°/80°C (FIXED TEMPERATURE ANY ONE SETTING ONLY)	02.	ENCLOSURE MODEL NO	XD-JB85
03.	TYPE OF SENSING ELEMENT	BI-METAL FIXED TEMPERATURE AUTO RESET TYPE	03.	AREA CLASSIFICATION	ZONE 1, 2, 21 & 22
04.	PROBE BODY	ALUMINIUM	04.	HAZARDOUS AREA PROTECTION DETAILS	⊕ II 2G Ex db IIC Gb ⊕ II 2D Ex tb IIIC Db
05.	TOLERANCE	± 5%	05.	CERTIFICATION FOR ENCLOSURE	⊕ ATEX APPROVAL FOR ENCLOSURE. CERTIFICATION NUMBER: FTZU 05 ATEX 0262U ⊕ FM APPROVAL FOR ENCLOSURE. ORIGINAL PROJECT ID:3042541.
06.	CURRENT RATING	230V AC - 2A, 110V AC - 5A, 125V DC - 0.5A, 48V DC - 1A, 24V DC - 2A	06.	CABLE ENTRY	M25 X 1.5MM
07.	MATERIAL	MACHINED/CASTING ALUMINIUM PART	07.	TYPE	TO USE HAZARDOUS AREA.
08.	PROTECTION	IP 67 (PROBE ASSEMBLY ONLY)			

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