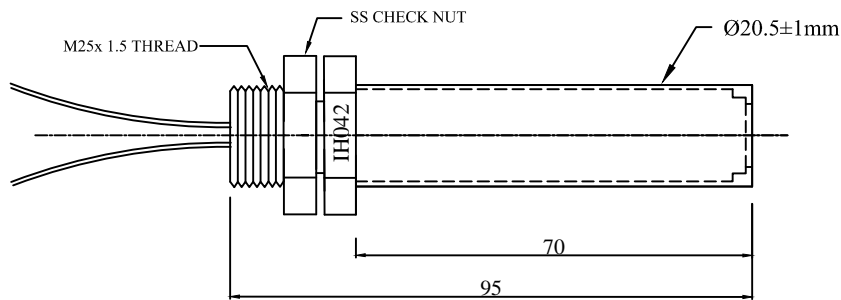


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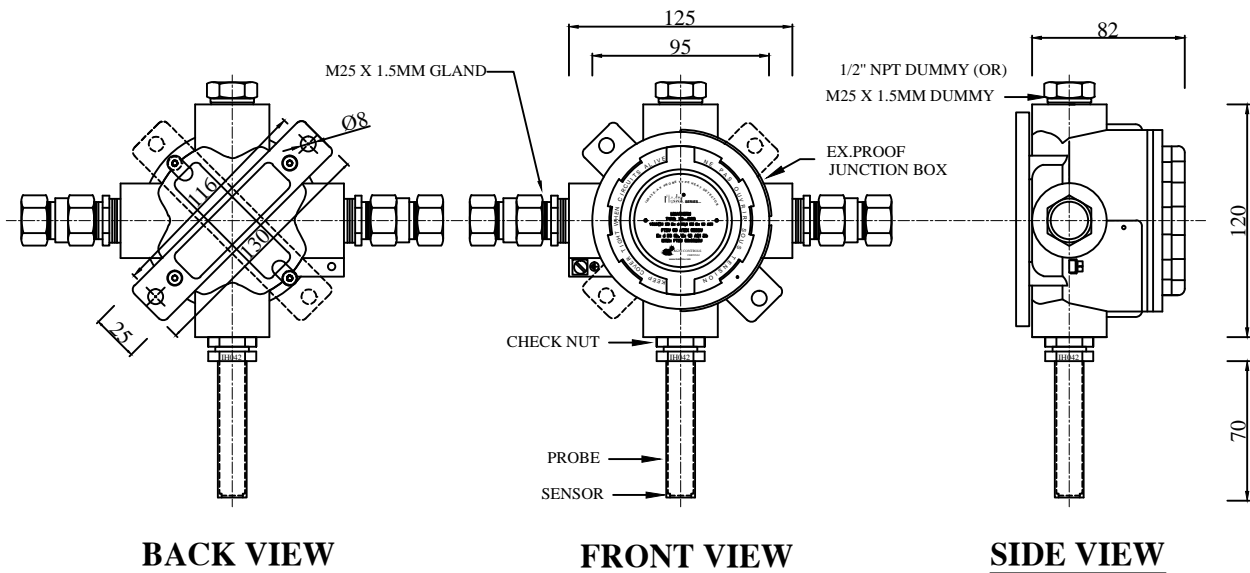
DATA SHEET	SS PROBE TYPE HEAT DETECTOR WITH EXPLOSION PROOF JUNCTION BOX (50-80)°C	PART: IH042-VL-SS- *(50-80)°C-JAX			
DOC.NO:DP-5.8/MT-744	DATE:JUNE. 2024	REVISION :00	SCALE : N.T.S	SHEET: 1 OF 2	APPD. BY :DB

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

NOTE A: THIS DATASHEET CAN BE ALSO REFERRED AS DP-5.8/CP-744



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 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.

2/3. SYSTEM DESIGN - UNIT -2 BACKUP/AGNI CONTROLS-REV4.png

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KODAMBAKKAM, CHENNAI-600 024, INDIA.

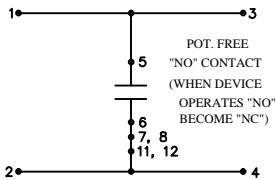
PHONE : +91 44 2481 2420

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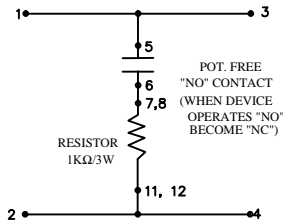
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DATA SHEET	SS PROBE TYPE HEAT DETECTOR WITH EXPLOSION PROOF JUNCTION BOX (50-80)°C	PART: IH042-VL-SS- *(50-80)°C-JAX
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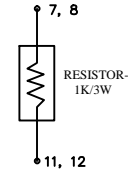
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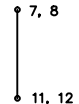
EQUIVALENT CIRCUIT
FIG. 1



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



RESISTOR LINK
FIG. 3



SHORT LINK
FIG. 4

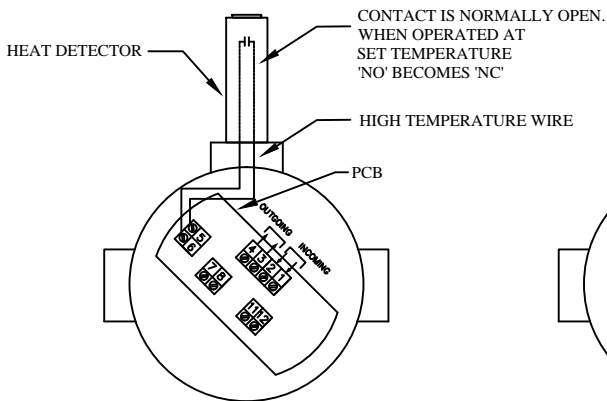
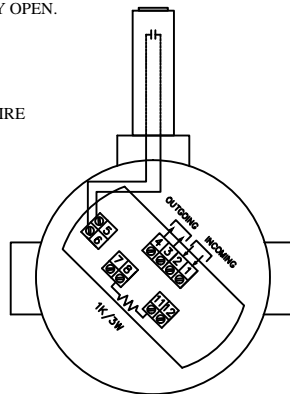
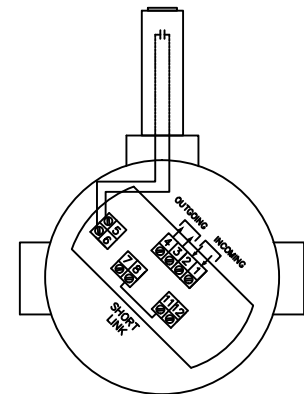


FIG. 5



WIRING WITH RESISTOR
FIG. 6



WIRING WITHOUT RESISTOR
FIG. 7

S.NO	PART NO**	DESCRIPTION
01.	IH042E-VL-SS-50-JAX-NO	50°C, NORMALLY OPEN
02.	IH042E-VL-SS-60-JAX-NO	60°C, NORMALLY OPEN
03.	IH042E-VL-SS-65-JAX-NO	65°C, NORMALLY OPEN
04.	IH042E-VL-SS-70-JAX-NO	70°C, NORMALLY OPEN
05.	IH042E-VL-SS-75-JAX-NO	75°C, NORMALLY OPEN
06.	IH042E-VL-SS-80-JAX-NO	80°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-VL-SS-*(50-80)°C-JAX-P1			JUNCTION BOX PART NO: IH042-VL-SS-*(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	SS 316	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
06.	CURRENT RATING	230V AC - 2A, 110V AC - 5A, 125V DC - 0.5A, 48V DC - 1A, 24V DC - 2A	06.	CABLE ENTRY	FM APPROVAL FOR ENCLOSURE. ORIGINAL PROJECT ID:3042541.
07.	MATERIAL	MACHINED/CASTING ALUMINIUM PART	07.	TYPE	M25 X 1.5MM TO USE HAZARDOUS AREA.
08.	PROTECTION	IP 67 (PROBE ASSEMBLY ONLY)			

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2/3. SYSTEM DESIGN - UNIT -E BACKUP/AGNI CONTROLS-HEV/016

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