

fladet<sup>®</sup> SERIES...

**IH042E-AX**

**PROBE TYPE HEAT DETECTOR**



## INTRODUCTION:

fladet IH042E-AX series... Probe type heat detector is fixed temperature type suitable for Hazardous area application. The detector is an auto resettable type bimetallic sensor. It can be widely used in Fire Detection Alarm system along with other detectors. The detector is completely sealed with one set of lead wire. Detector is available as NO type. NO type detector is normally open condition. When temperature reaches set point contact close.

## APPLICATIONS:

- ◆ Storage tank
- ◆ Generator & Turbine enclosure
- ◆ Paint booth, Kitchen wood ducts
- ◆ Machineries, Battery Room
- ◆ Diesel engine room
- ◆ Furnace area, Engine test bed

## DETECTOR SENSITIVITY:

The response time of the detector is within 60 seconds when the detector is exposed to set temperature.

## INSTALLATION & COMMISSIONING:

fladet IH042E-AX should be used with suitable cable gland.

For installation & Commissioning refer the installation manual.

## ADVANTAGES:

- ◆ Auto Resettable
- ◆ Easy to install and operate
- ◆ Suitable for outdoor hazardous area application
- ◆ Readily used along with other type of detectors for early fire warning





## ORDERING INFO:

Part No: IH042E-AX-\*\* Deg.C

(\*\*denote 50/60/65/70/80/90/100/110/120/130/140/150/160/170/180/190/200/210/220/230) Deg.C (FIXED TEMPERATURE SETTING ONLY))

Part Description : Probe type heat detector with ATEX/FM approved Ex.Proof Enclosure.

## TENDER / TECHNICAL SPECIFICATION FOR IH042E-AX SERIES..

|    |                                   |  |
|----|-----------------------------------|--|
| 01 | Manufacturer                      | AGNI CONTROLS, CHENNAI   |
| 02 | Part No.                          | IH042E-AX - **° C<br>(* - 50/60/65/70/80/90/100/110/120/130/140/150/160/170/180/190/200/210/220/230)° C  |
| 03 | Country of Origin                 | India  |
| 04 | Mounting                          | Vertical or any suitable position  |
| 05 | Type                              | Auto Reset Type  |
| 06 | Temp.Setting Ranges               | Select any one setting<br>(50/60/65/70/80/90/100/110/120/130/140/150/160/170/180/190/200/210/220/230) ° C<br>(FIXED TEMPERATURE ANY SETTING ONLY)  |
| 07 | Coverage area of detector         | 25 Sq.m at 3.5 mtr height  |
| 08 | Operation                         | 'NO' contact (Potential Free) will be changed to 'NC' contact when set temperature is reached.   |
| 09 | Electrical Rating                 | 230V AC - 2A, 110V AC - 5 A,<br>125V DC - 0.5A, 48V DC - 1A<br>24V DC - 2A   |
| 10 | Spacing                           | As per IS2189 or NFPA 72E  |
| 11 | Enclosure make                    | Limatherm, Poland  |
| 12 | Material                          | Machined / Casting Aluminium part  |
| 13 | Type of sensing element           | Bi-Metal Fixed Temperature   |
| 14 | Humidity Range                    | Humidity has no effect on the operation of detectors as they are hermetically sealed.  |
| 15 | IP Protection                     | IP 67 (Probe Assembly only)  |
| 16 | Area Classification               | ZONE 1, 2, 21 & 22   |
| 17 | Hazardous Area Protection Details |  II 2G Ex db IIC Gb<br> II 2D Ex tb IIIC Db  |
| 18 | Certification for Enclosure       |  ATEX APPROVAL FOR ENCLOSURE.<br>CERTIFICATION NUMBER:<br>FTZU 05 ATEX 0262U<br> FM APPROVAL FOR ENCLOSURE<br>ORIGINAL PROJECT ID : 3042541. |
| 19 | Addressable Capability            | Yes. (Through Addressable Input Modules)   |

## APPROVAL / CONFIRMATION / CERTIFICATE:

- Confirming requirement of NFPA 72E
- Confirming requirement of IS-2189
- Confirming requirement of ISO7240-5

## M/s. AGNI CONTROLS

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ISO 9001 : 2015  
CERTIFIED  
COMPANY

## IMPORTANT :

This document is not intended to be used for installation purposes. Specifications are subject to change without prior notice.