Agni Instruments Engineers India Private Limited

Agni Veiga Series

Intelligent Addressable

V-1

TECHNICAL DATA SHEET

INTELLIGENT ANALOG PHOTOTHERMAL

AGNI VEIGA -IND-OH / MULTI-CRITERIA

The AGNI IND-OH Intelligent Photothermal Detector is a point detection device that continuously samples both the air and the temperature variation in the protected area to provide the earliest warning of a fire condition. Special algorithms utilise information from both the smoke and heat sensing elements to ensure high level of false alarm rejection without compromising genuine alarm sensing performance. This detector forms part of the Altair range of aesthetically pleasing low profile detection and alarm products and is fully compatible* with all fire control equipment utilising the AGNI fully digital communication protocol.

Product Overview

- Photo-thermal multi-criteria detectors combine photoelectric smoke sensing and thermal detection fixed temperature and/or rate-of-rise to provide enhanced false. alarm immunity and faster response to a wider range of fires.
- **Standards Compliance:** Conforms to **EN54-5 Heat Detectors** and **EN54-7-Smoke Detectors** and are designed for systems adhering to the installation code of practice in **IS 2189**.

INTELLIGENT MULTI DETECTOR

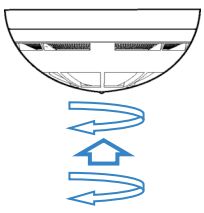
- Intelligent digital communication protocol
- Auto addressing capability on compatible fire control panels
- LEDs providing 360deg cone of visibility
- Dust Restrict Chamber (DRC) technology offering advanced immunity to airborne contaminants
- Open style mounting base offers easy wiring and low pressure locking
- Programmable Handheld Device Programming Tool
- 4 selectable alarm thresholds
- Low profile Desing

1. Position the detector centrally on its mounting base (**ensure it is level**).

2. Rotate clockwise applying gentle pressure. The detector will drop into its keyed location.

3. Press more firmly to win the force of the contacts.

4. Continue to rotate clockwise a few degrees until the detector has fully engaged in the mounting base.



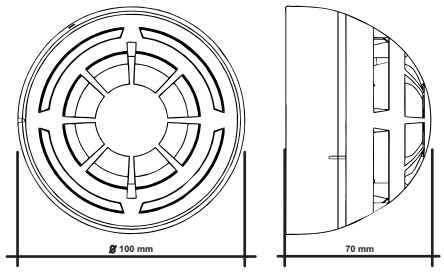
5. When the detector is firmly engaged verify the alignment between the detector and the raised reference marks on the **base (figure 7).**

6. After all detectors and other loop devices have been installed, apply power to the loop in accordance with the control panel's installation instructions.

7. Test the detectors as described in the section headed "TESTING".

TECHNICAL SPECIFICATIONS

Loop voltage	15Vdc – 40Vdc *
Average standby current	70µA @ 24Vdc
Remote Output Max Current	20mA
Alarm Current	6mA @ 24Vdc
Temperature Range (Set)	-30°C / +70°C
Max tolerated humidity (non condensing)	95% RH
Max number of loop addresses	240 / 256
Weight (standard base included)	130 g
IP rating	40 (42 with base's waterproof protection)



CE
EN 54-5-7
IS 2189
ERTL / NABL

9811522993 / 9811554440 info@agnifirealarm.com www.agnifirealarm.com www.agnifirealarm.net

Y-51, OKHLA INDUSTRIAL AREA PAHSE.-II NEW DELHI 110020 (INDIA)