

## Conventional Smoke + Heat Detector



<b>Product Code</b>	ITR403-000X
<b>Power Supply</b>	10-33 V DC
<b>Current Consumption</b>	7.6 mA (Alarm) 2.8 mA (Standby max.)
<b>Relay Contact Rating</b>	1 A @30V DC 0.25 A @230 V AC
<b>LED Indicators</b>	1 x Notification LED
<b>Type of Protection</b>	IP 44
<b>Maximum Air Humidity</b>	< 90 RH
<b>Temperature Range</b>	Operation (-30°C...50°C) Storage (-30°C...70°C)
<b>Colour</b>	Light Grey
<b>Dimensions</b>	100 x 50 mm (Φ x H)

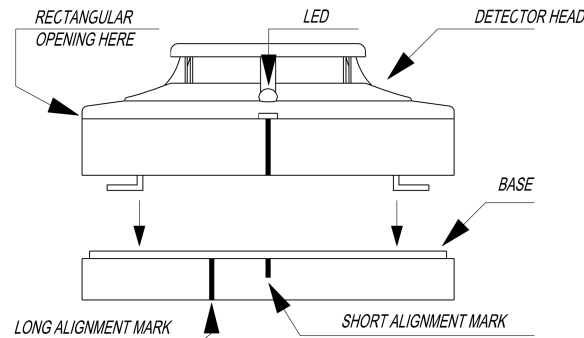
X | 0: Smoke / 1: Smoke + Heat

### DESCRIPTION

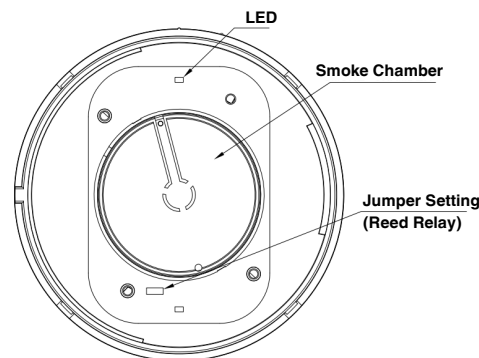
ITR403-000X Interra Conventional Smoke + Heat detector is the typical fire indicators such as heat and smoke and sends these telegram values to the bus in case of emergency. In case of high temperatures, smoke, or fire emergencies, the alarm signal in the product starts to sound. While it provides an easy installation with its twistlock mounting system, it also provides long-term and safe use with its tamper-resistant design.

### INTERRA SMOKE + HEAT DETECTOR LAYOUT

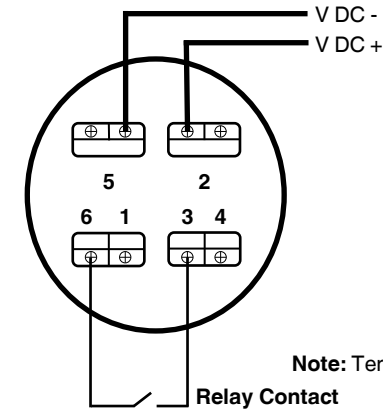
1. Align the components as shown below.



2. Mate the detector head onto the base and twist clockwise to secure it.



### CONNECTION DIAGRAM



**Note:** Terminals 1 and 4 are not functional.

### INSTALLING & TEST

- To insure proper installation of the detector head to the base, all the wires should be properly addressed at installation:
  - V DC - is connecting to the pole of terminal 5.
  - V DC + is connecting to the pole of terminal 2.
  - Relay output 1 is connecting to the pole of terminal 3.
  - Relay output 2 is connecting to the pole of terminal 6.
 Fasten the wires away from connector terminals.
- Open area smoke detectors are intended for mounting on a ceiling no less than 15 cm from a wall or mounting on a wall that no less than 10 cm and no more than 30 cm from a ceiling.
- The base of smoke detector can be mounted directly onto electrical junction box such as octagonal (7.5 cm, 9 cm or 10 cm), round (7.5 cm), and square (10 cm length) box without using any type of mechanical adapter.
- All the alarm signal services, releasing device and extinguisher system should be disengaged during the test period and must be re-engaged immediately at the conclusion of testing.
- After energizing the detector head for approximately one minute, check to see the indicator red LED flashing once every 32 seconds. If the LED fails to flash, it indicates the non-functioning of the detector or faulty wiring. Re-check the wiring or replace the detector if necessary.
- Allow smoke from a cotton wick or a punk to enter the detector's sensing chamber for at least 10 seconds. When sufficient smoke has entered the chamber, an alarm signal will take place by indicating with a continuous illumination of the LED. After it alarms, Reset each detector and/or control unit before attempting to test the additional detectors in the same zone. If the alarm fails in this step, it indicates a defective unit, which requires service.