



I-9104

Intelligent Ultraviolet Flame Detector

Description

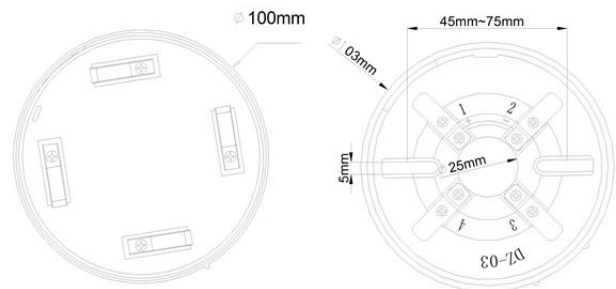
I-9104 Intelligent Ultraviolet Flame Detector detects fire by analyzing ultraviolet radiation of flame. It's applicable to places where open fire, fire with intense flame radiation and fire without smoldering stage take place easily, as well as places where quick response to a fire is required. Used together with other detectors, it can alarm fire in time to minimize losses as much as possible.

Features and Benefits

- High sensitivity, reliable performance, dust-proof, damp-proof and corrosion-proof
- Three sensitivity levels
- Electronically addressed in field
- With algorithm, report alarm quickly and reduce false alarm rate.

Terminals and Installation Holes

Below figures show the detector bottom and terminals of the base.



There are four terminals with marks on the base.

1&3: Loop connection (non-polarized)

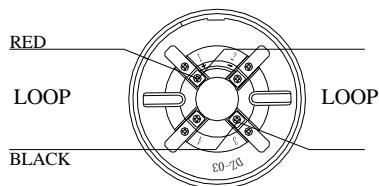
The base is suitable to be installed onto standard European embedded back box, with hole-distance 45mm to 75mm

Recommended Cabling

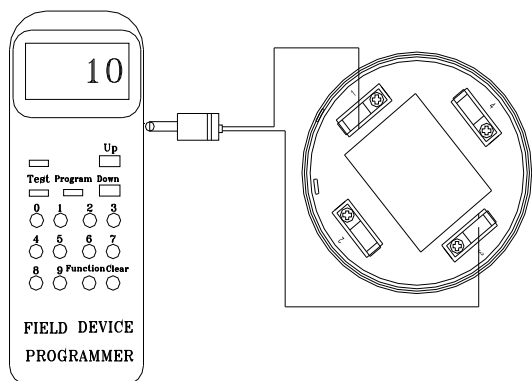
1.0mm² or above fire cable is recommended, but subject to local codes.

Application

The typical wiring diagram is shown below.



Address can be set through P-9910B programmer.



Technical Specification

Operating Voltage	Loop: 24V(12V~28V)
Standby Current	≤2mA
Action Current	≤2.5mA
Alarm Clear	Instantaneous power off (5s MAS, 2.5VDC MAX)
Power-up Time	≤5s
Indicator	Red. Flashes in polling. Illuminates steadily in alarm.
Wiring	2 core for loop
Programming Method	Electronically addressed.
Code Range	One address within 1~242
Spectral Response Range	185nm~260nm
Angular Sensitivity	<p>The diagrams show two hemispherical views of the detector's field of view. The left view is labeled 'ANODE CATHODE' and shows a 100% detection range. The right view is labeled 'UV EMISSION POINT' and shows a 100% detection range. A third diagram shows 'VERTICAL VIEWING (Left fig.)' and 'HORIZONTAL VIEWING (Right fig.)'.</p>
Detection Distance	Level I: 25m Level II: 17m Level III: 12m
Operating Temperature	-20°C ~+55°C
Relative Humidity	≤95%, non condensing
Dimension	Diameter: 103mm Height: 53.5mm (with base) Diameter: 100mm Height: 41mm (without base)
Ingress Protection Rating	IP21
Material and Color of Enclosure	ABS, white
Weight	About 110g
Mounting Hole Distance	45mm~75mm

Ordering Information and Compatible Products

Part No.	I-9104
Device Name	Intelligent Ultraviolet Flame Detector
Order Code	1072428
Compatible Products	GST100 Intelligent Fire Alarm Control Panel GST200-2 Intelligent Fire Alarm Control Panel GST200N Intelligent Fire Alarm Control Panel GST- IFP8 Intelligent Fire Alarm Control Panel

Accessories and Tools

	Part No.: DZ-03 Device name: Standard Base Order Code: 4044898
	Part No.: C-9504E Device name: Base Mount Isolator Order Code: 1245091
	Part No.: P-9910B Device name: Handheld Programmer Order Code: 1274894