

## **S600-ExIR3-UV point type UV IR flame detector (triple infrared single ultraviolet, flameproof type)**

S600-ExIR3-UV point-type infrared flame detector contains three infrared sensors and optical filters. The main sensor has the highest sensitivity to the CO<sub>2</sub> emission spectrum (4.4μm) produced by the combustion of hydrocarbons, and the other three infrared sensor pairs The detection of ambient light and background light interference from thermal body radiation. The detector has multiple signal processing algorithms, combined with the logical comprehensive judgment of the flame flicker frequency, to maximize the suppression of false alarms and the best fire detection performance. The special fire signal processing method and multi-sensor detection technology greatly improve the sensitivity and response time of the detector. The sensitivity of the detector can be adjusted automatically according to changes in the use environment. The detector is suitable for liquid and gas fires, open flames accompanied by smoke, and places where deflagration occurs.

### **Technical Parameters**

- ◆ Response spectrum range: 4.4μm, 5.0μm, 3.8μm, 185-260μm
- ◆ Response time: <5s
- ◆ Viewing angle range: ≤110 °
- ◆ Detection distance: Class I
- ◆ Ambient temperature: -10 ~ 55 °C
- ◆ Environmental humidity: ≤95% RH
- ◆ Pressure range: 86 ~ 106Kpa
- ◆ Working voltage: DC24V
- ◆ Working current: current≤25mA, alarm current≤35mA
- ◆ Executive standard: GB15631-2008, GB12791-2006
- ◆ Explosion-proof grade: EXdIICT6
- ◆ Protection grade: IP67
- ◆ Certifications: SIL, CE, ATEX, FCC, RoHS, SGS, ISO

### **Signal output**

Switching relay contact output, 4-20mA, RS-485 (built-in DIP switch, can set the address of the detector)

### **Mechanical structure**

Installation method: wall or ceiling

Cable outlet thread: 20mmX1.5mm free conversion G1 / 2 optional

Dimensions: (190X160X110) mm

Shell material: die-cast aluminum

Weight: 1Kg

Advantages: dustproof, explosion-proof, corrosion-proof

