

UV FLAME DETECTOR EST-UV100

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PRODUCT OVERVIEW

The EST-UV100 Flame Detector is an explosion-proof intelligent fire detection device that uses advanced UV detection technology and uses a UV-blown UV-blown sensor to suppress daylight interference, thus achieving a fast flame signal. Responsive and accurate identification. The detector uses non-contact detection, the sensitivity is adjustable in the field, and the passive contact, standard current output and bus interface are connected to the fire alarm system.

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FEATURES

1. It has stronger anti-false reporting ability and is highly resistant to sunlight, lightning, electric welding, artificial light source, heat radiation, electromagnetic interference and mechanical vibration.
2. Using the point-type detection principle, a photomultiplier ultraviolet flame sensor is used to detect the ultraviolet signal emitted during the flame combustion process.
3. The built-in processor collects the signal and determines the occurrence of the fire through the artificial intelligence algorithm, and reports the fire.
4. The detector has an angle of 120 degrees and forms a fan-shaped inspection area in front of the detector.
5. The structure is waterproof and explosion-proof, adapting to different applications.

SPECIFICATIONS

Operating Voltage	DC24V \pm 15% (nominal DC24V)
Static monitoring current	\leq 30mA (24VDC)
Alarm state current	\leq 40mA (24VDC)
Signal output	Relay passive point, bus output
Installation method	Wall or hoisting
Response time	10 to 30 s (high speed type \leq 3 s)
Maximum response distance	30m n-heptane brazier with bottom surface size (33cm \times 33cm)
Detection angle	\leq 120°
Operating temperature	20 ° C ~ +60 ° C (enhanced -40 ° C ~ +70 ° C)
Relative humidity	95% RH (40 \pm 2 ° C)
Cable entry device interface	M20 \times 1.5 (internal thread) interface, optional 1/2" NPT or G1/2 or G3/4
Explosion-proof signs and protection levels	Exd II CT6: IP66
structure	Dimensions: 120 \times 98 \times 116mm; Weight: 1.1 \pm 0.1kg; Shell: aluminum alloy
Executive standard	GB12791-2006; GB3836-2010