

# FD10-UV

## Ultraviolet Flame Detector



FD10-UV ultraviolet flame detector is a new type of intelligent fire detection equipment.

The detector adopts advanced ultraviolet detection technology. By using solar-blind band of ultraviolet, the detector can be used to suppress the interference of sunlight, thus achieving the rapid response and accurate identification of the flame signal.

### TECHNICAL FEATURES:

- Using high-speed, low-consumption and high-performance 32-bit data processing chip
- Excellent resistance to radio frequency and electromagnetic interference
- Perfect patent algorithm, fast response, high stability, strong anti-false alarm ability
- Detection angle of 120°
- The longest detection distance can reach 30 meters
- Multi-level sensitivity settings to meet the needs of different occasions
- Magnetic bar adjusts sensitivity, no need opening the cover on site
- Explosion-proof design, suitable for hazardous areas in many types of industrial sites

### SPECIFICATIONS:

Response spectrum range	185~260nm	Longest detection distance	30 meters, 0.3m×0.3m N-heptane fire
Detection object	Flame		
Detection method	Real-time sampling of optical path	Detection angle	120°
Display method	LED lights	Weight	1.5±0.2kg
Status indication	Green LED flashes to indicate normal operation (the number of flashes every 3 seconds represents the sensitivity level) Red LED always lights to indicate an alarm	Installation method	Wall mounted or lifting or holding-pipe
		Cable entry interface	NPT1/2, default transfer to G1/2 (internal thread)
		Housing material	Copper-free cast aluminum (epoxy resin on the surface)
Operation method	Magnetic bar to adjust sensitivity (4 levels totally)	Ingress protection	IP66
		Supply voltage	DC24V±6V
Signal output	4-20mA output 2 relays for fault and alarm (free contact)	Working current	≤30mA (DC23V)
		Environment temp.	-20°C~+60°C
		Environment humidity	≤95%RH (no condensation)
Response time	<30s		
Ex grade	Ex d IIC T6 Gb / Ex tD A21		