

## FLAME DETECTOR WITH RELAY OUTPUT EST-HD104

# EST



### PRODUCT OVERVIEW

The device is an Ultraviolet-only flame detector designed to detect fires and provide alarm outputs directly from the detector while maintaining false alarm immunity.

It detects in the ultraviolet (UV) spectral range for optimized speed of response. It is fast and capable of detecting the ultraviolet (UV) rays emitted by a burning substance and is used in high hazard applications such as petrochemical plants, munitions factories and other areas where flammable or explosive liquids or solids are handled or stored.

The flame sensor adopts an ultraviolet photosensitive tube, with qualities of highly sensitive, reliable, dust-resistant, corrosion proof and moisture-resistant, therefore is not sensitive in sunlight, dust, oil, tolerance of fume, and humidity.

Set in a standard calibration to detect a flame at a distance of 25 meters, which flame created by 2Kg ethanol in a Container of Base 33cmX33cm, Height 5cm.

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## Main Features

Compatible with all the security alarm system Alarm Relay Output (NO/NC can be adjustable)  
Unpolarized wire input Wide range of operating voltages(9V~28VDC) Quick Detection of  
Flame from Distance Built in microprocessor intelligent software Two LEDs blink standby,  
provide 360° visibility Twist-on mounting base with tamper lock

## Specifications

- Operating Voltage Range: 12 to 28 VDC Volts
- Standby Current:  $\leq 10$  mA @ 24 VDC
- Alarm Current:  $\leq 40$  mA @ 24 VDC
- Spectrum: 180~290nm
- Detection Angle: 120 degree

