

# UV/IR Optical Flame Detectors

## VS-200P and VS200EX (Explosion proof)



Non-Explosion Proof (Polycarbonate enclosure)

VS-200EX Explosion Proof (Aluminium enclosure)

VS-200P, an intelligent UV/IR flame detector, this detector is well protected against the versatile false alarms, such as ARC welding, artificial light sources, etc.

- Non-Explosion Proof (in ABS enclosure)
- Explosion Proof (Aluminium enclosure) VS-200EX
- UV/IR Dual-Sensor
- High Immunity to False Alarms
- User-Programmable Configuration
- 4-20mA Output

### Applications

- Chemical Processing & Storage Facilities
- Fuel Loading Facilities
- Warehouses
- Public buildings/Others

MODEL	VS-200P / VS200EX
SPECTRAL RESPONSE	UV : 0.185-0.260 microns
DETECTION RANGE (HIGHEST SENSITIVITY RANGE)	1sq.ft. N-Heptane fire at 65ft(20m)
RESONSE TIME	Typical 3 seconds for a 1 sq. ft. N-heptane pan fire
TIME DELAY	Adjustable time delay up to 10 seconds
FIELD OF VIEW	100° hori./100° verti.
TEMPERATURE RANGE	-40°C to +85°C
HUMIDITY	Up to 95% RH
POWER SUPPLY	24VDC (9 to 35V)
POWER CONSUMPTION	Max. 20mA in standby / Max. 40mA in alarm
ELECTRICAL CONNECTION	Standard 3/4" NPT gland or on request
DIMENSIONS: DETECTOT UNIT	110 x 110 x 75 mm / Swivel #B (ball-jointed) D=16/L=100mm
WEIGHT	Swivel #B : (OPTION) -"ball-jointed" :0.15kg
ELECTRICAL INPUT PROTECTION	Complete electrical interface protection against reversed polarity voltage, surges, and spikes according to MIL-STD-1275
ELECTRMAGNET COMPATIBILITY	The detector is designed to meet the following EMC requirements:  Electrostatic Discharge (ESD) IEC801-2 Conducted Emission EN55022 Class A Radiated Emission:EN55022 Class A Radiated Immunity IEC801-3
OUTPUTS	Dry Contact Relays: Alarm: 2A at 30VDC 0.6A at at 125VAC Fault: 2A at 30VDC 0.6A at at 125VAC Accessory: 2A at 30VDC 0.6A at at 125VAC  4-20mA Current Output Fault: 0 ± 0.5mA Normal(Stand-by): 4mA ± 5% IR Detection: 8mA ± 5% UV Detection: 12mA ± 5% Warning:20mA ± 5% Alarm: 20mA ± 5% Resistance Loop: 100-600 ohms
ENCLOSURE	ABS
WATER	IP65
PROTECTION CERTIFICATION	Designed to meet EN54-10