



SW1110 pictured with SW1131 swivel mount bracket

Sense-Ware UV-185/5 Ultraviolet (UV) Flame Detector

SW1110
SW1157

Features

- UV sensor
- Corrosion proof GRP housing
- Non-Incendive for Zone 2
- Weather resistant
- Relay & 4-20 mA outputs
- Automatic & manual self test
- 5 Year warranty
- ATEX, IECEx & FM3611 Approved
- EN54-10 & FM3260 Approved
- Suitable for Zone 2 & safe areas
- Low power

Applications

- Battery storage rooms
- Clean rooms
- Cold storages
- Engine Test Cells
- Fume hoods
- Gas cabinets
- Gasoline/Gas engine rooms
- Heating rooms for chemicals
- Indoor chemical storage
- Indoor fuel & solvent storage
- Indoor hydrocarbon storage & processing
- Indoor hydrogen storage & processing
- Radio amplifier rooms
- Isolators for antennas
- Laboratories
- Monitoring of machinery

Description

The Sense-WARE UV Flame Detector is designed to give optimum performance for Zone 2 and Safe Area indoor flame detection. Designed to detect all types of hydrocarbon fires and Hydrogen fires and immune to false alarms, the Model UV-185/5 offers a cost effective solution for Zone 2 and Safe Area industrial and commercial applications.

The Retroreflective ring around the window allows for easy testing with a Sense-Ware Test Lamp. The Pressure Compensating Element (PCE), prevents water ingress damaging the electronics.

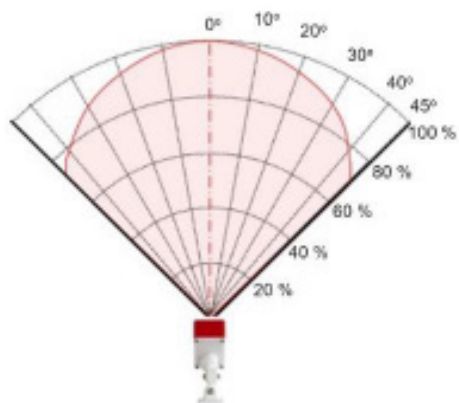
Sense-WARE Flame Detectors offer fast performance, with a 5 year warranty making them the Best in Class.

Approvals

- **EN54-10**
 - Performance, Class 2
- **ATEX, IEC Hazardous Area**
 - II 3G Ex nA IIC T4 Gc,
 - II 3D EX tc IIIC T71°C Dc
- **FM3260**
 - Performance (see Manual)
- **FM3611 Hazardous Area**
 - Non-Incendive: Class I, II, III, Div 2, Groups A,B,C,D,F,G (see Manual)

Specifications

• Spectral range:	185 - 260 nm
• Maximum range:	23 Meters (75 ft), 0.09 m2 (1 Sq.Ft.) Heptane pan fire
• Typical response:	<10 Seconds
• Field of view:	90° x 90°
• Input power:	10-28 VDC
• Current (normal):	25 mA @ 24 VDC, (75 mA peak during Self-Test)
• Current (alarm):	± 35 mA @ 24 VDC
• Start up time:	<10 Seconds
• Analogue signal - sink:	0-20 mA
• Power fault:	0 mA
• Optical fault:	2 mA
• Normal operation:	4 mA
• Alarm:	20 mA
• Relays:	Alarm & Fault SPDT
• Relay contact rating:	30 VDC / 2 A / 60 W
• Latching (default) / Non Latching:	DIL Switch selectable
• Normal operation:	Green LED
• Alarm indication:	Red LED
• Fault indication:	Yellow LED
• Automatic self-test:	Once per Hour
• Manual self-test:	Available (see Manual)
• Cable gland (pre-mounted):	1 x M20
• Cable diameter:	5.5-13 mm / 20-60 AWG
• Housing:	GRP
• Temperature range:	Hazardous Area -25 °C to +70 °C : Safe Area -40 °C to +70 °C
• Humidity:	0-95 % Non Condensing
• Ingress protection:	IP65
• Pressure compensation:	PCE
• Weight:	465 g
• Dimensions:	125 x 80 x 57 mm
• Warranty:	5 Years



SW1157 pictured with SW1131 swivel mount bracket

Order Codes

• SW1110	RED UV-185/5 Ultraviolet Flame Detector
• SW1157	WHITE UV-185/5 Ultraviolet Flame Detector
• SW1131	Swivel Mount (ordered separately)

Accessories

- **SW1153** TC-169/1 Non-EX Test lamp
 - **SW1163** TC-940/1 Intrinsically Safe Test Lamp
- (each include instruction manual & carry case)