



SENSE-WARE

THE FLAME DETECTOR
COMPANY



Model UV-185/5

UV Flame Detector

- 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

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.



Typical 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 Chemical, Fuel & Solvent Storage • Indoor Hydrocarbon Storage and Processing • Indoor Hydrogen Storage and Processing • Radio Amplifier Rooms / Isolators for Antennas • Laboratories • Monitoring of Machinery

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

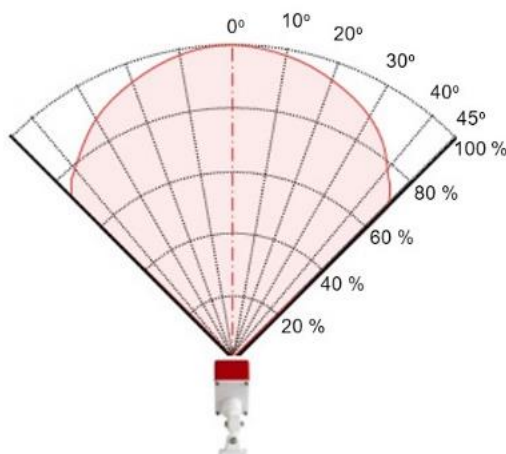
Green LED

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

-25 °C to +70 °C Hazardous Area
-40 °C to +70 °C Safe Area

Humidity

0-95 % Non Condensing

Ingress Protection

IP65

Pressure Compensation

PCE

Weight

465 g

Dimensions

125 x 80 x 57 mm

Warranty

5 Years

SENSE-WARE
THE FLAME DETECTOR
COMPANY



Model UV-185/5

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)

Accessories

I.S. Test Lamp

TC-940/1Z

Non EX Test Lamp

TC-169/1

Swivel Mount

SM21

Specifications may be subject to change

www.sense-ware.com

EUROPE, M. EAST & AFRICA

SENSE-WARE
Fire and Gas Detection B.V
Fokkerstraat 25
3905 KV Veenendaal
The Netherlands, EU
Phone: +31 88 736 7300
Email: eu@sense-ware.com

NORTH & SOUTH AMERICA

SENSE-WARE Americas
1942 W White Oak Dr.
Peoria IL 61614
Illinois
USA
Phone: +1 888 732 7521
Email: americas@sense-ware.com

ASIA & OCEANIA

SENSE-WARE Asia Pacific
59 Fen Ji Hu, Danshui
New Taipei City 25163
Taiwan
Mobile: +886 926 664 232
Phone: +886 2 862 628 93
Email: ap@sense-ware.com