SENSE-WARE
THE FLAME DETECTOR COMPANY

Flame Detector

UV-185/5

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www.sense-ware.com

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.

5 YEARS WARRANTY FLAME DETECTOR

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

fire protection TECHNOLOGIES

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
90º x 90º

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
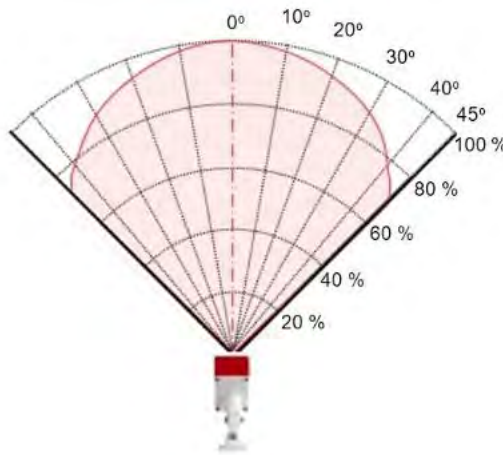DIL Switch selectable

Normal Operation
Green LED

Alarm Indication
Red LED

Fault Indication
Yellow LED

Automatic Self Test

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

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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 T71ºC 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

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fire protection
TECHNOLOGIES

PRODUCTS:

Gaseous Suppression

- Inert Gas (IG-01, IG-55, IG-100, IG-541)
- Novec 1230™ Fluid (FK-5-1-12)
- FM-200® (HFC-227ea.)
- Carbon Dioxide (CO_2)
- Hybrid Systems (N_2 / Water)
- Pressure Relief Vents
- Enclosure Integrity Testing Equipment
- Pipe & Fittings

Water Suppression

- Water Mist - High Pressure
- Water Mist - Intermediate Pressure
- Water Mist - Low Pressure
- Hybrid Systems (Water / N_2)
- Monitors & Delivery Systems
- High Speed Deluge

Foam Suppression

- Foam Concentrates
- Foam Proportioning
- Foam Delivery Systems
- Compressed Air Foam
- Foam Concentrate Testing

Explosion Protection

- Explosion Suppression
- Explosion Isolation
- Explosion Vents & Pressure Relief
- Spark Suppression
- Explosibility Testing

Fire Detection

- Linear Heat Detection - Digital
- Linear Heat Detection - Fibre Optic
- Linear Heat Detection - Micro Chip
- Flame Detection
- Video Imaging Detection
- Spark Detection
- Control & Indicating Equipment
- Thermal Imaging Detection
- Aspirating Smoke Detection

Military & Defence

- Military Vehicles
- Naval Vessels

Special Applications

- Micro Environment
- Oxygen Reduction
- Kitchen Protection Systems
- Dry Chemical
- Vehicle Systems
- Marine & Offshore
- Vapour Mitigation
- Li-Ion Fire Systems

Support Services

- Design / Engineering
- Technical Support
- Services & Testing

Australia

Head Office
Unit 1, 251 Ferntree Gully Road
Mt Waverley VIC 3149
Australia

Brisbane Office
Unit 7, 93 Rivergate Place
Murarrie QLD 4172
Australia

Perth Office
18 – 20 Ledgar Road
Balcatta WA 6021
Australia

Sydney Office
Unit 5, 11 Reliance drive Tuggerah
NSW 2259
Australia

1300 742 296
www.fire-protection.com.au
enquiries@fire-protection.com.au

New Zealand

Auckland Office
Unit 2, 13 Airborne Road
Albany North Shore 0632
New Zealand

0011 64 9415 5488
www.fire-protection.net.nz

South East Asia

www.fire-protection.com.sg

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'Every solution for your special hazard problems'