Conventional Fire Systems

Vision 2020F

58°C Fixed Temperature Heat Detector

The 2020F 58°C Fixed Temperature Heat Detector is part of the Vision range of detectors. Vision is a range of conventional detectors, which have been produced using the latest in manufacturing technology and supplied with an array of installer-friendly advanced features, making them ideal for all your conventional fire detection requirements.

The 2020F 58°C Fixed Temperature Heat Detector uses a state of the art heat element combined with an application specific integrated circuit (ASIC) to provide quick and accurate detection of fires. The detector incorporates a static element and is suitable where ambient conditions normally exhibit rapid changes in temperature e.g. kitchens.

A hand held laser tool can also be used in conjunction with the Vision range of detectors for triggering the Vision detector. With a range of several metres, the hand held unit provides an effortless way of remotely triggering the Vision detector.

The 2020F Detector also has an integral LED, which illuminates to provide a local alarm signal. This latches on, and remains illuminated until the detector is reset by a momentary power interruption. An optional remote LED annunciator may be used to repeat any alarm signal.

A variety of detector bases can be used with the 2020F Detector, providing application flexibility and compatibility with a wide range of conventional fire alarm panels.

Please note: the laser triggering tool does not negate the requirement to test the detector as specified in BS 5839 Pt 1:2013.

Features and benefits
- Low profile design
- Low current draw
- Easy maintenance
- Range of detector bases available
- Remote LED Option
- Approved to EN54-5:2000 (Amendment 1) Class A2S
- Remote alarm trigger feature

Dimensions

![Dimensions Diagram]
## Conventional Fire Systems

### Vision 2020F

#### Technical Specifications

<table>
<thead>
<tr>
<th>ELECTRICAL</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Voltage Range</td>
<td>14 to 28VDC (Nominal 24VDC)</td>
</tr>
<tr>
<td>Maximum Standby Current @ 25°C</td>
<td>70μA @ 24VDC</td>
</tr>
<tr>
<td>Maximum Alarm Current</td>
<td>70mA @ 28VDC</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ENVIRONMENTAL</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Application Temperature Range</td>
<td>-30°C to +70°C</td>
</tr>
<tr>
<td>Humidity</td>
<td>5 to 95% Relative Humidity (non-condensing)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MECHANICAL</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>40.5mm (plus 9.5mm for standard base)</td>
</tr>
<tr>
<td>Diameter</td>
<td>102mm</td>
</tr>
<tr>
<td>Weight</td>
<td>70g (plus 45g for standard base)</td>
</tr>
<tr>
<td>Max Wire Gauge for Terminals</td>
<td>0.4mm² to 2.0mm²</td>
</tr>
<tr>
<td>Colour</td>
<td>Approximates RAL9016</td>
</tr>
<tr>
<td>Material</td>
<td>ABS</td>
</tr>
<tr>
<td>Standards</td>
<td>EN54 Part 5</td>
</tr>
<tr>
<td>Approvals</td>
<td>LPCB Approved and CE Approved</td>
</tr>
</tbody>
</table>

#### ORDER CODES

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2020F</td>
<td>58° Fixed Temperature Heat Detector</td>
</tr>
</tbody>
</table>

#### BASES

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2020B</td>
<td>Standard Base – adds 9.5mm to detector height</td>
</tr>
<tr>
<td>2020DB</td>
<td>Deep Base – adds 21mm to detector height</td>
</tr>
<tr>
<td>2020BSD</td>
<td>Standard Base with Schottky diode</td>
</tr>
<tr>
<td>2020DBSD</td>
<td>Deep Base with Schottky diode</td>
</tr>
</tbody>
</table>

#### ACCESSORIES

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2020LT</td>
<td>Laser Triggering Tool</td>
</tr>
</tbody>
</table>

**NOTE:**

1. To avoid unwanted alarm conditions being triggered by class A1R detectors, the maximum ambient operating temperature should not exceed 45°C.

2. It is essential to ensure that only known compatible components are used in a fire detection system. If in doubt, always consult the fire control panel supplier/manufacturer.

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Conventional Fire Systems

Vision 2020HF

78°C Fixed Temperature Heat Detector

The 2020HF 78°C Fixed Temperature Heat Detector is part of the Vision range of detectors. Vision is a range of conventional detectors, which have been produced using the latest in manufacturing technology and supplied with an array of installer-friendly advanced features, making them ideal for all your conventional fire detection requirements.

The 2020HF 78°C Fixed Temperature Heat Detector uses a state of the art heat element combined with an application specific integrated circuit (ASIC) to provide quick and accurate detection of fires. The detector incorporates a static element and is suitable where ambient conditions normally exhibit rapid changes in temperature above 45°C e.g. boiler houses.

A hand held laser tool can also be used in conjunction with the Vision range of detectors for triggering the Vision detector. With a range of several metres, the hand held unit provides an effortless way of remotely triggering the Vision Detector.

The 2020HF Detector also has an integral LED, which illuminates to provide a local alarm signal. This latches on, and remains illuminated until the detector is reset by a momentary power interruption. An optional remote LED annunciator may be used to repeat any alarm signal.

A variety of detector bases can be used with the 2020HF Detector, providing application flexibility and compatibility with a wide range of conventional fire alarm panels.

Please note: the laser triggering tool does not negate the requirement to test the detector as specified in BS 5839 Pt 1:2013.

Features and benefits

- Low profile design
- Low current draw
- Easy maintenance
- Range of detector bases available
- Remote LED Option
- Approved to EN54 – 5:2000 (Amendment 1) Class BS
- Remote alarm trigger feature

Dimensions
Conventional Fire Systems

Vision 2020HF

Technical Specifications

**ELECTRICAL**
- Operating Voltage Range: 14 to 28VDC (Nominal 24VDC)
- Maximum Standby Current @ 25°C: 75μA @ 24VDC
- Maximum Alarm Current: 70mA @ 28VDC

**ENVIRONMENTAL**
- Application Temperature Range (see note 1): -30°C to +70°C
- Humidity: 5 to 95% Relative Humidity (non-condensing)

**MECHANICAL**
- Height: 40.5mm (plus 9.5mm for standard base)
- Diameter: 102mm
- Weight: 70g (plus 45g for standard base)
- Max Wire Gauge for Terminals: 0.4mm² to 2.0mm²
- Colour: Approximates RAL9016
- Material: ABS
- Standards: EN54 Part 5
- Approvals: LPCB Approved and CE Approved

**ORDER CODES**
- 2020HF: 78° Fixed Temperature Heat Detector
- BASES
  - 2020B: Standard Base – adds 9.5mm to detector height
  - 2020BSD: Standard Base with Schottky diode
  - 2020DB: Deep Base – adds 21mm to detector height
  - 2020DBSD: Deep Base with Schottky diode
- ACCESSORIES
  - 2020LT: Laser Triggering Tool

NOTE: 1. To avoid unwanted alarm conditions being triggered by class BS detectors, the maximum ambient operating temperature should not exceed 65°C.

2. It is essential to ensure that only known compatible components are used in a fire detection system. If in doubt, always consult the fire control panel supplier/manufacturer.