

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.

Features and benefits

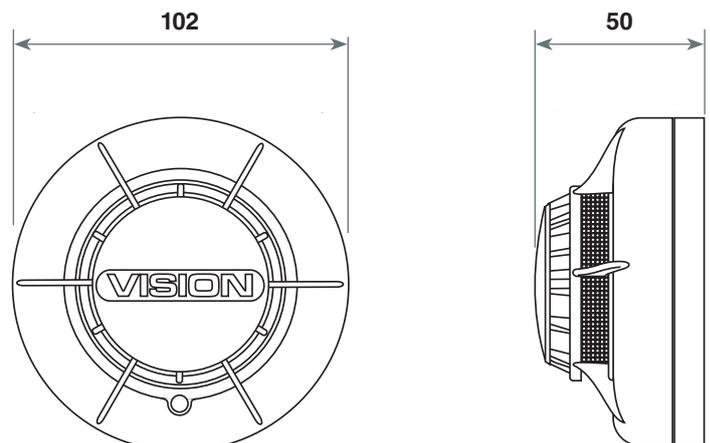
- Low profile design
- Low current draw
- Easy maintenance
- Range of detector bases available
- Remote LED Option
- Approved to EN54 – 5:2000 (Amendment 1) Class A2S
- Remote alarm trigger feature

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.

Dimensions



Conventional Fire Systems

Vision 2020F

Technical Specifications

ELECTRICAL	
Operating Voltage Range	14 to 28VDC (Nominal 24VDC)
Maximum Standby Current @ 25°C	70µA @ 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	0.4mm ² to 2.0mm ²
Colour	Approximates RAL9016
Material	ABS
Standards	EN54 Part 5
Approvals	LPCB Approved and CE Approved

ORDER CODES	
2020F	58° Fixed Temperature Heat Detector
BASES	
2020B	Standard Base – adds 9.5mm to detector height
2020DB	Deep Base – adds 21mm to detector height
2020BSD	Standard Base with Schottky diode
2020DBSD	Deep Base with Schottky diode
ACCESSORIES	
2020LT	Laser Triggering Tool

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.

Features and benefits

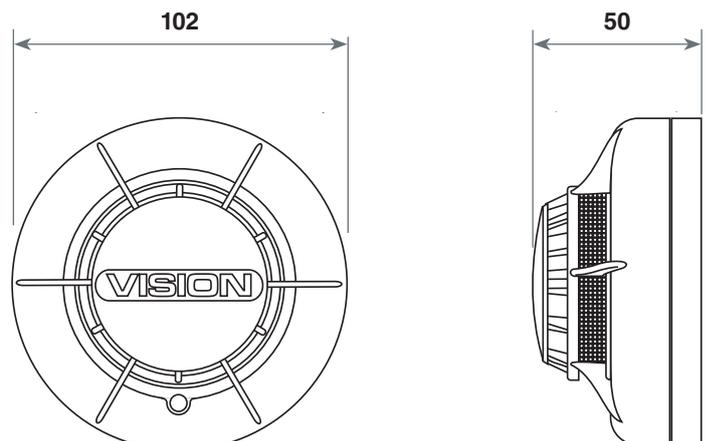
- Low profile design
- Low current draw
- Easy maintenance
- Range of detector bases available
- Remote LED Option
- Approved to EN54 – 5:2000 (Amendment 1) Class BS
- Remote alarm trigger feature

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.

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	0.4mm ² to 2.0mm ²
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/manufacture.

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Conventional Fire Systems

Vision 2020P

Conventional Optical Smoke Detector



The 2020P Optical Smoke 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 2020P Optical Smoke Detector uses a state of the art optical chamber combined with an application specific integrated circuit (ASIC) to provide quick and accurate detection of fires. A combination of the unique chamber design and other technically advanced features will significantly extend the service intervals before cleaning of the detector becomes necessary.

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.

Features and benefits

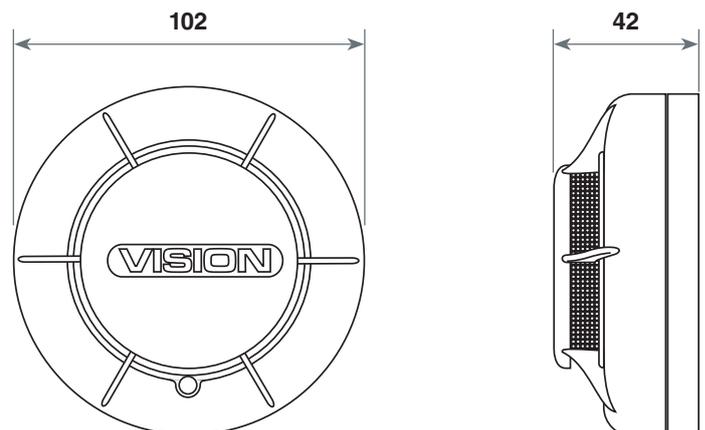
- Low profile design
- Low current draw
- Automatic drift compensation
- Remote alarm trigger feature
- Easy maintenance
- Range of detector bases available
- Remote LED Option
- Approved to EN54-7:2000 (Amendment 1)

The 2020P Detector 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 2020P 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.

Dimensions



Conventional Fire Systems

Vision 2020P

Technical Specifications

ELECTRICAL	
Operating Voltage Range	14 to 28VDC (Nominal 24VDC)
Maximum Standby Current @ 25°C	60µA @ 24VDC
Maximum Alarm Current	70mA @ 28VDC
ENVIRONMENTAL	
Application Temperature Range	-30°C to +70°C
Humidity	5 to 95% Relative Humidity (non-condensing)
MECHANICAL	
Height	32.5mm (plus 9.5mm for standard base)
Diameter	102mm
Weight	75g (plus 45g for standard base)
Max Wire Gauge for Terminals	0.4mm ² to 2.0mm ²
Colour	Approximates RAL9016
Material	ABS
Standards	EN54 part 7
Approvals	LPCB Approved and CE Approved

ORDER CODES	
2020P	Optical Smoke 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: 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/manufacture.

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Conventional Fire Systems

Vision 2020PT

Optical Heat Detector



The 2020PT Multi-functional 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 2020PT Multi-functional Detector uses a state of the art optical chamber and heat element combined with sophisticated algorithms to provide quick and accurate detection of fires. The combination of optical and heat detection provides a faster response to 'real fire' situations, while at the same time reducing the risk of unwanted environmentally generated alarms.

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.

Features and benefits

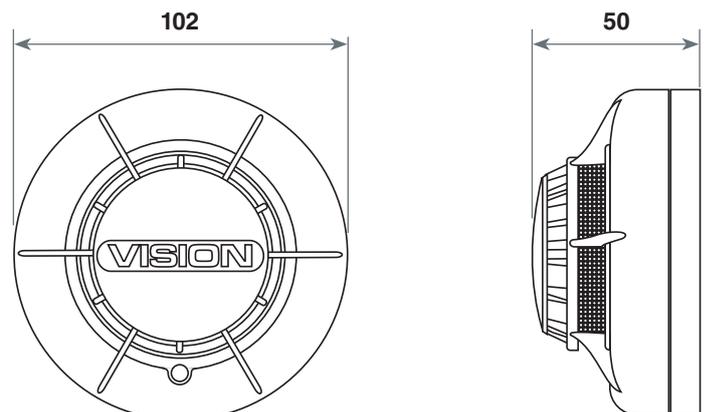
- Low profile design
- Low current draw
- Automatic drift compensation
- Remote alarm trigger feature
- Easy maintenance
- Range of detector bases available
- Remote LED Option
- Approved to EN54-7:2000 (Amendment 1)
- EN54 – 5:2000 (Amendment 1)
Class A1R; CEA 4021

The 2020PT 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 Vision 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.

Dimensions



Conventional Fire Systems

Vision 2020PT

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	78g (plus 45g for standard base)
Max Wire Gauge for Terminals	0.4mm ² to 2.0mm ²
Colour	Approximates RAL9016
Material	ABS
Standards	EN54 Part 7 and EN54 Part 5
Approvals	LPCB Approved and CE Approved

ORDER CODES	
2020PT	Optical 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 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/manufacture.

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Conventional Fire Systems

Vision 2020R

Rate Of Rise Heat Detector



The 2020R Rate of Rise 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 2020R 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 both rate of rise and static elements and is suitable for all areas where the ambient conditions do not normally exhibit rapid changes in temperature.

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.

Features and benefits

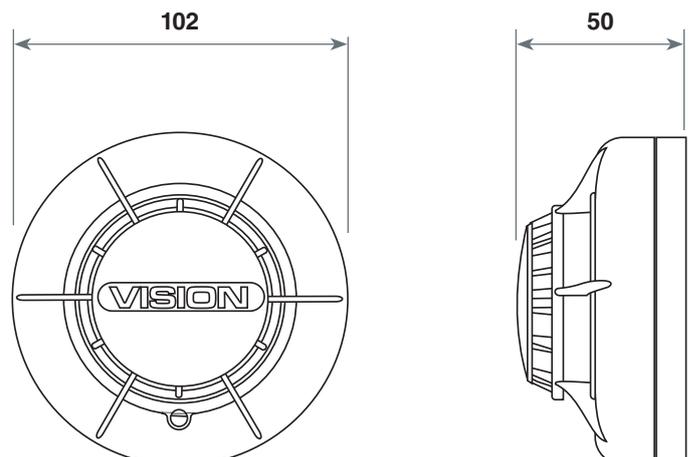
- Low profile design
- Low current draw
- Remote alarm trigger feature
- Easy maintenance
- Range of detector bases available
- Remote LED Option
- Approved to EN54 – 5:2000 (Amendment 1) Class A1R

The 2020R 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 2020R 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.

Dimensions



Conventional Fire Systems

Vision 2020R

Technical Specifications

ELECTRICAL	
Operating Voltage Range	14 to 28VDC (Nominal 24VDC)
Maximum Standby Current @ 25°C	70µA @ 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	0.4mm ² to 2.0mm ²
Colour	Approximates RAL9016
Material	ABS
Standards	EN54 Part 5
Approvals	LPCB Approved and CE Approved

ORDER CODES	
2020R	Rate of Rise 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 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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