CONVENTIONAL - 58°C Fixed Temperature Thermal Detector
Model 2020F

Overview

Features

- 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 test feature
- Extended warranty

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0832-CPD-0184

Description

The 2020F 58°C fixed temperature thermal detector belongs to System Sensor's 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 small, straightforward fire detection systems.

The 2020F 58°C fixed temperature thermal detector uses a state of the art thermal 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 Test Tool can be used in conjunction with the range of Vision detectors for alarm test purposes. The unit transmits a coded message, preventing spurious alarms being generated by other laser-based devices. With a range of several metres, the hand held test unit provides an effortless way of remotely alarm testing the range of Vision detectors and removes the need for any direct physical access to the detector by the user.

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 Fire Alarm Control Panels. All bases are fitted with a shorting spring to permit circuit testing prior to fitting the detector and have a tamper resistant feature, which when activated prevents removal of the detector without the use of a tool.

All System Sensor products are covered by our extended 3-year warranty.

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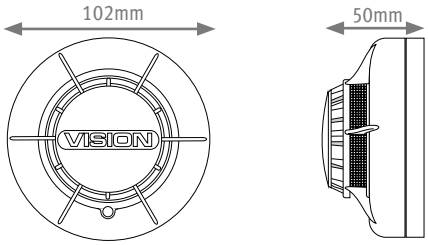
Architect/Engineer Specifications

2020F 58°C Fixed Temperature Thermal Detector



Electrical Specifications

Operating Voltage Range	14 to 28VDC (Nominal 24VDC)
Maximum Standby Current @25^{0}C	70µA @ 24VDC
Maximum Alarm Current	70mA @ 28VDC

Environmental Specifications

Application Temperature Range	-30°C to +70°C
Humidity	5 to 95% Relative Humidity (non-condensing)

Mechanical Information

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 to RAL9016
Material	ABS

Product Range

Compatible Bases	2020B Standard Base – adds 9.5mm to detector height
	2020DB Deep Base – adds 21mm to detector height
	2020BSD Standard base with Shottky diode
	2020DBSD Deep Base with Schottky diode
Accessories	2020LT Laser Test Tool
Other Devices in range	2020PT Photoelectric Smoke / Thermal Detector
	2020P Photoelectric Smoke Detector
	2020R Rate of Rise Thermal Detector
	2020HF 78°C Fixed Temperature Thermal Detector

Notes
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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Installation information: in order to ensure full functionality, refer to the installation instructions as supplied.