



5151 Series Conventional Heat Detectors

Product Overview:

The System Sensor **5151 Series Conventional Heat Detectors** combine rate-of-rise (ROR) and fixed temperature operation to provide reliable detection of heat produced by fire.

These 2-wire detectors provide open-area protection and are designed and manufactured to comply with AS7240.5-2004.

Model 5151AUS:

A low-temperature fixed-temperature heat detector. For use in areas normally below 50 °C where rapid ambient temperature changes may occur.

The 5151AUS replaces the 51B51 detector.

Model 5151RAUS:

A low-temperature heat detector featuring both fixed-temperature and rate-of-rise operation. For use in areas normally below 50°C where rapid ambient temperature changes are unlikely to occur.

The 5151RAUS replaces the 51A51 detector.

Model 5151HAUS:

A high-temperature heat detector featuring fixed-temperature operation. For use in areas normally below 80°C where rapid ambient temperature changes may occur.

The 5151HAUS replaces the 51D51 detector.

Model 5151RHAUS:

A high-temperature heat detector featuring both fixed temperature and rate-of-rise operation. For use in areas normally below 80°C where rapid ambient temperature changes are unlikely to occur.

The 5151RHAUS replaces the 51C51 detector.



5151 Series Detector



B401Base

Features:

- » Sleek, low-profile design
- » Dual red indicating LEDs for 360° visibility
- » Low standby current
- » Standard B401 Base with in-built shorting spring
- » In-built tamper resistant base
- » Optional Remote LED accessory
- » Compatible with 100 Series products
- » Independently tested and SAI Global StandardsMark certified to AS ISO 7240.5:2004

» Specifications:

» Operating Voltage	8.5 VDC to 35 VDC	with B401 Base
» Standby Current	30 μ A @ 24 VDC	
» Alarm Current	10 mA to 130 mA	Panel Dependent
» Alarm Voltage	4.2 VDC to 6.5 VDC	
» Alarm Reset	Momentary Power Interruption	
» Dimensions (including Base)	104 x 53 mm	Diameter x Height
» Ambient Installation Temperature Range	-10 °C to 50 °C	5151AUS & 5151RAUS
	-10 °C to 80 °C	5151HAUS & 5151RHAUS
» Fixed Activation Temperature	63 °C	5151AUS & 5151RAUS
	90 °C	5151HAUS & 5151RHAUS
» Humidity	0 % to 95 % RH, non-condensing	

Adapter Base Details:

Base Model Number	Loop Type	Current Limit Resistor	Nominal Voltage	Current Draw in Alarm (mA).
B401	2-wire	No	12/24 VDC	5 - 100*

* Alarm Current must be limited by the Control Panel

Ordering Information:

Product Code	Description
5151AUS	Conventional Heat Detector – Fixed Temperature (63°C) Type B
5151RAUS	Conventional Heat Detector – ROR & Fixed Temperature (63°C) Type A
5151HAUS	Conventional Heat Detector – Fixed Temperature (90°C) Type D
5151RHAUS	Conventional Heat Detector – ROR & Fixed Temperature (90°C) Type C
B401	Conventional Detector Base