

# 5151AUS SERIES

## Thermal Detectors



### Conventional Initiating Devices

#### General

The Notifier 5151AUS Series of conventional heat/thermal detectors has been designed specifically for the Australian market using electro-pneumatic technology (rate-of-rise) and thermistor technology (fixed temperature operation) to provide reliable detection of heat generated by a fire. Australian standard A, B, C and D type heat detectors are available.

These detectors feature dual red LEDs, rugged powder coated dome and complete mounting base interchangeability with Notifier's photoelectric and ionization smoke detectors.

Model **51A51** is a low temperature heat detector featuring both fixed temperature and rate-of-rise operation for use in areas below 45°C without rapid temperature increases.

Model **51B51** is a low temperature heat detector featuring fixed temperature operation for use in areas below 45°C where rapid temperature changes may occur.

Model **51C51** is a high temperature heat detector featuring both fixed temperature and rate-of-rise operation for use in areas below 75°C without rapid temperature increases.

Model **51D51** is a high temperature heat detector featuring fixed temperature operation for use in areas below 75°C where temperature changes may occur.



#### Features

- Dual LED design provides 360° viewing angle.
- Electro-pneumatic technology.
- Interchangeable base for photo-electric and ionisation detectors.
- Powder coated dome.
- Low profile.
- Built-in functional test switch activated by external magnet.

#### Approvals

CSIRO ActivFire listed to  
AS 1603.1 - 1997.  
Including Amdt 1 (August 1998).

51A51	(afp-1304)
51B51	(afp-1616)
51C51	(afp-1306)
51D51	(afp-1617)

## Specifications

<b>Operating Voltage:</b>	12VDC to 28VDC
<b>Alarm Voltage:</b>	4.2VDC to 6.4VDC
<b>Maximum Current Consumption:</b>	85µA Standby 5 - 100mA Alarm (Externally limited)
<b>Operating Temperature Ranges:</b>	
51A51, 51B51	-5°C to 45°C
51C51, 51D51	-5°C to 75°C
<b>Operating Humidity Range:</b>	95% Max non-condensing
<b>Protection Rating:</b>	IP54
<b>Fixed Temperature Set Points:</b>	
51A51, 51B51	60°C
51C51, 51D51	90°C
<b>Sensitivity Rate-of-Rise:</b>	Increase of greater than 8.0°C/min
<b>Latching Alarm:</b>	Reset by momentary power interruption

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We try to keep our product information up-to-date and accurate.  
We cannot cover all specific applications or anticipate all requirements.  
All specifications are subject to change without notice.

For more information contact your nearest Notifier Sales Office or Distributor  
[www.notifier.com.au](http://www.notifier.com.au)

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