



# Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
<b>afp - 1202</b>	23-Sep-1998	Number 13	Issue date 27-Apr-2019	30-Apr-2020

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## Product designation

**Simplex, Model 4098-9733EA, Type A heat detector**

(Refer to the Schedule/enclosures for further specified details)

## Agent/distributor

Simplex Fire Products  
47 Gilby Road, MOUNT WAVERLEY, VIC, AUSTRALIA, 3149

## Registrant

Johnson Controls  
17 Mary Muller Drive, HILLSBOROUGH, CHRISTCHURCH, NEW ZEALAND, 8022

### Producer

SimplexGrinnell  
50 Technology Drive, WESTMINSTER, MA, UNITED STATES, 01441

## Conformance criteria and evaluation

The Simplex, Model 4098-9733EA, Type A heat detector has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 1603.1-1997, 'Automatic fire detection and alarm systems - Heat detectors' incl. Amdt 1 (August 1998).

## Limitations/conditions of conformance

Limitations/conditions of conformance, where identified on this certificate, are derived from qualifications from evaluation(s) for conformity and/or other related technical documentation. All details with respect to design, assembly and installation instructions and restrictions should be checked against the producer's current technical manual/data sheets and the requirements of the Authority having Jurisdiction.

Specified limitations/conditions, determined from the evaluation for conformity, include the following.

- i. Compatibility of the detector and base with new or existing control and indicating equipment should be confirmed prior to installation.

This certification is issued within the scope of CSIRO Verification Services – Rules governing ActivFire Scheme and is valid only for the product(s) as submitted for evaluation and verification of conformity, subject to the following conditions.

- Reference to details, limitations and requirements, where documented as a schedule/enclosure with this certificate.
- The Registrant is responsible for their attestation of conformity and ensuring that on-going production complies with the conformance criteria defined in this certificate.
- This certificate will not be valid if any changes or modifications are made to the product which have not been notified and validated by CSIRO Verification Services.
- This certificate is subject to periodical re-validation upon verification that all requirements, as determined by the conformity assessment body, continue to be satisfactorily met by the Registrant.
- This certificate may only be reproduced in its published form, without modification and inclusive of all schedules/enclosures.
- Any changes, errors or omissions, must be submitted in writing and if necessary or requested, substantiated with relevant evidence.
- Any representations, such as advertising or other marketing related activities or articles shall reflect the correct contents of this certificate and conform with all relevant trade practices and consumer protection legislation and regulations.
- Any terms or conditions of use as applicable to content and documentation as published or accessed through web sites administered by the CSIRO Verification Services.

Issued by

David Whittaker  
Executive Officer – ActivFire Scheme



# Schedule to Certificate of Conformity

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## Producer's description

The Simplex, Model 4098-9733EA, Type A heat detector is comprised of electronic circuitry and a mechanical package designed to sense the rate-of-rise of the air temperature in an expedient and reliable fashion. The air temperature is sensed by using two negative temperature coefficient thermistors. Upon detection of an abnormal increase in air temperature, the electronics indicate an alarm by increasing its amount of current drawn from the monitor zone the detector is connected to. The monitor zone is a supervised detection circuit that is tied back to the Control and Indicating Equipment that take appropriate action to indicate an alarm has been reported.

The alarm threshold is established in the control and indicating equipment.

## Technical specification

The following details are a representative extract of the technical specification for the Simplex, Model 4098-9733EA, Type A heat detector and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

<b>Sensitivity:</b>	Simplex 4100 CIE sensitivity settings selected as Type A Heat Detector
<b>Input voltage range:</b>	18 Vdc to 35 Vdc
<b>Operating temperature range:</b>	0 °C to 49 °C.
<b>Relative humidity:</b>	10 to 95% R.H (non condensing) over 0 °C to 70 °C.
<b>Compatible CIE:</b>	Simplex 4100

Tested base designation	Base + detector circuit type
Simplex, Model 4098-9789	Analogue Addressable
Simplex Sounder, Model 4098-9794	Analogue Addressable

## Supplementary information

### TrueAlarm™ Sensor Bases

TrueAlarm sensor bases have integral addressable electronics and constantly monitor the status of the detachable sensor. The sensor output is digitised and transmitted to the system control every four seconds. Each sensor base has an eight dip switches to set the address of the base assembly.

### Specifications:

	Sensor with 4098-9789 base assy	Sensor with 4098-9794 base assy
Integral Features	Alarm LED	Alarm LED
	Remote LED Output	Remote LED Output
		Sounder - 85dB @ 3m
Working voltage (Mapnet II)	24 - 40 Vdc	24 - 40 Vdc
24V working voltage (Relay or sounder power)		18 - 32 Vdc
MAPNET II/ID net current	400 µA	400 µA
24V Standby current (relay or sounder)		270 µA
24V current (relay or sounder activated)		17 mA
LED output	Yes	Yes
Temperature range	0°C to 55°C	
Humidity range	10% to 95% RH	