



# Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
<b>afp - 1239</b>	19-May-1999	Number 12	Issue date 1-May-2018	30-Apr-2019

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## Product designation

**Simplex, Model 4098-9621EA, Type D 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

Simplex Time Recorder Co.  
Simplex Plaza, GARDNER, MA, UNITED STATES, 01441-0001

## Conformance criteria and evaluation

The Simplex, Model 4098-9621EA, Type D 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. The minimum alarm current from the control and indicating equipment shall exceed 6 mA.
- ii. Compatibility of this fire detector and its base assembly with new or existing control and indicating equipment should be verified 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 4098-9621EA, Type D heat detector comprises of electronic circuitry and a mechanical package that is designed to sense the rate of rise of the air temperature in an expedient and reliable fashion. Upon detection of an abnormal rate of rise in air temperature, the electronics indicate an alarm by increasing its amount of current draw from the monitor zone the detector is connected to. In the alarm state, the integral LED will turned ON and remain in the steady condition until the supply power is momentarily interrupted and the conditions causing the alarm state have been removed.

The Simplex, Model 4098-9621EA, Type D heat detector is connected to the Control and Indicating Equipment via a two-wire loop to a conventional base assembly.

## Technical specification

The following details are a representative extract of the technical specification for the Simplex, Model 4098-9621EA, Type D 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>Operating temperature range:</b>	88°C to 132°C
<b>Operating mode:</b>	Resetting - fixed temperature
<b>Operating voltage range:</b>	11 to 32 Vdc
<b>Input ripple voltage:</b>	30%
<b>Supervisory current:</b>	80 µA (typical) 100 µA (maximum)
<b>Alarm current:</b>	40 mA (typical) 80 mA (maximum)
<b>Humidity range:</b>	10 to 95%RH (within operating temperature range)

Tested base designation	Base + detector circuit type
Simplex, Model 4098-9788EA	Conventional

## Supplementary information

### Base Assembly 4098-9788EA

Typical wiring connection to base assembly

Terminal	Connection
<b>1 (+)</b>	(+) Zone In Connection
<b>2 (+)</b>	(+) Zone Out Connection
<b>3 (R)</b>	Remote LED Connection
<b>4 (-)</b>	(-) Zone Connection