



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 1354	1-Nov-2000	Number 13	Issue date 27-Apr-2019	30-Apr-2020

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Product designation

Simplex, Model 4098-9755EA, (with 4098-9714EA p/e smoke detector), analogue addressable, duct sampling unit

(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 4098-9755EA, (with 4098-9714EA p/e smoke detector), analogue addressable, duct sampling unit has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 1603.13-1998, 'Automatic fire detection and alarm systems - Duct sampling units'.

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. Nominal sensitivity set at CIE to 4% Obs./m (panel setting of 2.5%/ft)
- ii. The duct air velocity of at least 1 m/s and a minimum pressure differential exceeding 0.69 Pa.
- iii. 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 4098-9755EA, (with Model 4098-9714EA photoelectric smoke detector), analogue addressable, duct sampling unit (DSU) was designed to sample air and detect smoke in air ducts. The DSU has a red LED on the PCB assembly for "POWER ON" indication (red LED flashing) or for "ALARM" or "TROUBLE" indication (red LED "ON" steady). The addressable DSU is connected to a Simplex 2120 Multiplex Communicating Device Transponder (CDT), 4010 Fire Alarm Panel, 4020 Fire Alarm Panel, 4100+ Fire Alarm Panel, or 4120 Fire Alarm Panel by a single twisted-shielded wire pair (MAPNET II/IDNet). The DSU obtains both power and data over this wire pair. A DIP switch mounted on the PCB assembly is used to set the address of the DSU.

Accessories that can be connected to the Simplex, Model 4098-9755EA, analogue addressable, duct sampling unit are the Simplex, Model 2098-9808 Remote Alarm Indicator and the Simplex, Model 2098-9806 Remote Alarm Indicator/Key switch.

Technical specification

The following details are a representative extract of the technical specification for the Simplex, Model 4098-9755EA, (with 4098-9714EA p/e smoke detector), analogue addressable, duct sampling unit and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

Power Requirements

MAPNET II/IDNet Input Voltage:	24 to 40 Vdc
MAPNET/IDNet Current:	400 μ A (typical)
MAPNET/IDNet additional current for LED:	1.5 mA when ON
MAPNET/IDNet additional current for remote LED:	1.2 mA when ON
Input voltage:	18 to 32 Vdc
Average supervisory current:	2.4 mA
Alarm current (maximum):	15 mA
Remote relay contacts:	7 A @ 28 Vdc 10 A @ 115 Vac (resistive - non-power limited)
Air velocity range:	300 to 4000 feet per minute
Operating temperature range:	-5°C to 50°C
Humidity:	10 to 95% RH (non-condensing)
Connections to FIP:	two wire