



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 1715	21-Feb-2005	Number 18	Issue date 19-May-2020	30-Apr-2021

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Product designation

Tyco, Model 614P, Alarm Response Threshold $m = 0.18$ dB/m (4% obs./m), collective scattered light smoke detector

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

Agent/distributor

Johnson Controls
Level 3, 95 Coventry Street, SOUTHBANK, VIC, AUSTRALIA, 3006

Registrant

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

Producer

Tyco Fire & Security GmbH
Victor von Bruns-Strasse 21, NEUHAUSEN AM RHEINFALL, SWITZERLAND, 8212

Conformance criteria and evaluation

The Tyco, Model 614P, Alarm Response Threshold $m = 0.18$ dB/m (4% obs./m), collective scattered light smoke detector has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 7240.7-2004, 'Fire detection and alarm systems - Part 7: Point-type smoke detectors using scattered light, transmitted light or ionization (ISO 7240-7:2003, MOD)'.

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 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 Tyco, Model 614P, Alarm Response Threshold $m = 0.18 \text{ dB/m}$ (4% obs./m), collective scattered light smoke detector forms part of the 600 series of plug in detectors for ceiling mounting. The detector is intended for conventional two-wire operation with control panels.

This smoke detector is well suited to detecting visible smoke produced by smouldering fires such as overheated electrical cabling.

Technical specification

The following details are a representative extract of the technical specification for the Tyco, Model 614P, Alarm Response Threshold $m = 0.18 \text{ dB/m}$ (4% obs./m), collective scattered light smoke detector and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

Schedule of properties/characteristics

The following schedule is an extract of physical and operational properties/characteristics of the certified/listed equipment.

Operating voltage:	18 to 32 Vdc
Quiescent current	60 μA
Alarm state current¹:	Less than 100 mA
Visibility alarm current:	5 mA
Externally powered load:	50 mA @ 28 Vdc (max.)
Ambient temperature:	-20°C to +70°C
Relative humidity:	95% (max. non-condensing)
Alarm indicator colour:	Red
Remote indicator:	Tyco E500 Mk2 series
Tester:	P/N X300

Notes:

1. Must be externally limited.

Schedule of components and/or assemblies

The following is a schedule of validated components and/or assemblies of the certified/listed equipment.

Base designation	Base + detector circuit type
Tyco, Model 4B	Collective
Tyco, Model 5B	
Minerva, Model MUB (M614)	