



ACTIVE FIRE PROTECTION-EQUIPMENT LISTING SCHEME

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LISTING NUMBER

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PRODUCT LISTING DATA SHEET **(Active Fire Protection Equipment)**

Product designation

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

(Refer to the Technical Specification section of this document for further specific detail)

Supplier

Tyco Fire & Security

47 Gilby Road, MOUNT WAVERLEY, VIC, AUSTRALIA, 3149

Manufacturer

Tyco Electronic Products Group (TEPG)

160 Billet Road, WALTHAMSTOW, LONDON, UNITED KINGDOM, E1T 5DR

Supplier's description

The Tyco, Model 614P, Alarm Response Threshold $m = 0.18$ 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.

Conformance criteria and evaluation

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

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

Listing is subject to ActivFire Scheme terms and conditions as applicable to the designated registrant and supplier.

Limitations/conditions of conformance

Limitations/conditions of conformance, where identified on this Product Listing Data Sheet, are derived from qualifications within the report of the testing agency and/or other related technical documentation. It is recommended that all details with respect to design, assembly and installation restrictions should be checked against the designated supplier's/maker's current technical manual/data sheets and the requirements of the Authority having Jurisdiction.

Compatibility of the Tyco, Model 614P, Alarm Response Threshold $m = 0.18$ dB/m (4% obs./m), collective scattered light smoke detector and base assemblies with new or existing control and indicating equipment should be confirmed prior to installation.



This product listing data sheet should be read in conjunction with the general requirements of the terms and conditions of listing under the ActivFire Scheme.

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Executive Officer

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 supplier's/manufacturer's technical manual/data sheets.

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.

Tested Base Designation	Base + Detector Circuit Type
Tyco, Model 5B	Collective
Minerva, Model MUB (M614)	Collective

Supplementary information

Nil supplementary information