



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 651	18-Nov-1992	Number 12	Issue date 1-May-2018	30-Apr-2019

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Product designation

Olsen, Model T56B Mk 5, Type A heat detector

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

Agent/distributor

Tyco Fire Protection Products
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
47 Gilby Road, MOUNT WAVERLEY, VIC, AUSTRALIA, 3149

Conformance criteria and evaluation

The Olsen, Model T56B Mk 5, Type A heat detector has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 1603.1-1990, 'Automatic fire detection and alarm systems - Heat detectors'.

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 Olsen, Model T56B Mk 5, Type A heat detector is an electro-pneumatic fire heat detector incorporating both fixed and rate of rise functions. The detector is actuated either by a rapid temperature increase, rate of rise mode, or by the air temperature reaching a fixed limit, fixed temperature mode. Upon actuation, electrical contacts in the detector close.

When the Olsen, Model T56B Mk 5, Type A heat detector is used with the Olsen, Model Z55B base assembly, this directly signals an alarm to the control and indicating equipment. When the heat detector is used with the Olsen, Model Z54B Mk 2 base assembly, actuation of the heat detector triggers the base into a latched alarm state and illuminates, if fitted, remote alarm LED indicator(s). The alarm current must always be limited by the control and indicating equipment.

If the Olsen, Model T56B Mk 5, Type A heat detector is actuated in the rate of rise mode only, the detector will automatically reset once the heat source has subsided. If the Olsen, Model T56B Mk 5, Type A heat detector is actuated in the fixed temperature mode, the detector cannot be reset and must be replaced.

Technical specification

The following details are a representative extract of the technical specification for the Olsen, Model T56B Mk 5, 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.

Operating voltage:	10 to 30 Vdc
Quiescent current:	0 μ A
Alarm state voltage:	5 to 8 Vdc @ 15 mA with Z55B base
Alarm state current:	1 to 100 mA (must be externally limited)
Fixed temperature set point:	60°C
Ambient temperature:	-15° to +45°C
Relative Humidity:	95%

Tested base designation	Base + detector circuit type
Olsen, Model Z54 Mk 2	Conventional
Olsen, Model Z55B	Conventional
Olsen, Model Z56	Conventional
Olsen, Model Z56N	Conventional
Olsen, Model Z54A	Addressable
Olsen, Model Z500	Conventional
Olsen, Model Z500N	Conventional