



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 1438	27-Jun-2001	Number 21	Issue date 3-Apr-2024	30-Apr-2025

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Product designation

Tyco, Model P132A Laser, adjustable nom. sens. (S)=0.5% obs./m to 8% obs./m, photoelectric smoke detector

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

Agent/distributor

Johnson Controls Fire Detection Products
Level 3, 37 Dalmore Drive, Carribbean Park, SCORESBY, VIC, AUSTRALIA, 3179

Registrant

Johnson Controls Fire Detection
17 Mary Muller Drive, Hillsborough, Christchurch, NEW ZEALAND, 8022

Producer

System Sensor, Ltd
3825 Ohio Avenue, ST CHARLES, IL, UNITED STATES, 60174

Conformance criteria and evaluation

The Tyco, Model P132A Laser, adjustable nom. sens. (S)=0.5% obs./m to 8% obs./m, photoelectric smoke detector has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 1603.2-1997, 'Automatic fire detection and alarm systems - Point type smoke 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. 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

Kaj Loh
Executive Officer – ActivFire Scheme



Schedule to Certificate of Conformity

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Producer's description

The Tyco, Model P132A Laser, adjustable nom. sens. (S)=0.5% obs./m to 8% obs./m, photoelectric smoke detector is a very high sensitivity analogue addressable smoke detector that utilises a laser photoelectric sensing chamber. The detector is designed to provide open area detection in clean environments, or cubicle detection for high value equipment.

The detector address is set by two rotary decade switches on the back of the detector. Two indicating LEDs can be programmed via the control and indicating equipment to blink as the detector is polled and display constant red when in alarm.

The Tyco, Model P132A Laser, photoelectric smoke detector mounts to the Z131A base assembly or Z132A Sounder base assembly. The base assemblies incorporate a tamper resistance feature that prevents the removal of the detector without the use of a tool. It is compatible with the Tyco, Models F4000 and MX4428 control and indicating equipment.

Technical specification

The following details are a representative extract of the technical specification for the Tyco, Model P132A Laser, adjustable nom. sens. (S)=0.5% obs./m to 8% obs./m, photoelectric smoke detector and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

Sensitivity:	0.5 to 8.0% Obs/m (CIE settable)
Operating voltage:	15 Vdc to 32 Vdc
Quiescent current (max):	230 μ A (no communication) 330 μ A (one communication every 5 sec with LED blink enabled)
Alarm current (max):	6.5 mA
Operating temperature:	-10° to +40°C
Humidity:	93% RH, non-condensing, maximum.
Weight:	150 g (without base)
Compatible CIE:	Tyco, Model F4000 Tyco, Model MX4428

Tested base designation	Base + detector circuit type
Tyco, Model Z131A	Analogue Addressable
Tyco, Model Z132A Sounder Base	Analogue Addressable

Supplementary information

The smoke detector does not produce any hazardous radiation and is certified as a Class 1 laser product under the US Department of Health and Human Services Radiation Performance Standard according to the Radiation Control or Health and Safety Act 1968. Any radiation emitted inside the smoke detector is completely within the protective housings and external covers. The laser beam cannot escape from the detector during any phase of operation.