



# Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
<b>afp - 2487</b>	9-May-2011	Number 12	Issue date 27-Apr-2019	30-Apr-2020

Page 1 of 2

## Product designation

**Tyco Fire Protection Products, Model P131A-Mk2, nom. sens. (S)=6.0% obs./m, photoelectric smoke 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

Xi'an System Sensor Electronics, Ltd  
28 Tuan Jie South Road, Xi'an Hi-tech Development Zone, XI'AN, SHAANXI, CHINA, 710075

## Conformance criteria and evaluation

The Tyco Fire Protection Products, Model P131A-Mk2, nom. sens. (S)=6.0% 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. The product is used in indoor dry environments.
- ii. The product is used with MX4428 MPR firmware V3.00 onwards.
- 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

Certificate num.	Registration date	Version		Valid until	Page 2 of 2
<b>afp - 2487</b>	9-May-2011	Number 12	Issue date 27-Apr-2019	30-Apr-2020	

## Producer's description

The Tyco Fire Protection Products, Model P131A-Mk2, nom. sens. (S)=6.0% obs./m, photoelectric smoke detector is a photoelectronic analogue addressable sensor and utilises a state-of-the-art optical sensing chamber. This sensor is designed to provide open area protection and is to be used with compatible control and indicating equipment.

Two LEDs on each sensor illuminate to provide 360° visibility of the sensor indication. The LEDs can also be unlatched to the normal condition by code command.

A remote alarm indicator LED is available as an optional accessory, Part No. Tyco E500Mk2.

## Technical specification

The following details are a representative extract of the technical specification for the Tyco Fire Protection Products, Model P131A-Mk2, nom. sens. (S)=6.0% 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.

### Schedule of properties/characteristics

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

<b>Operating voltage</b>	15 – 32 Vdc
<b>Quiescent current</b>	360 µA at 24 Vdc
<b>Alarm current</b>	6.5 mA at 24 Vdc
<b>Operating temperature</b>	-10 to 49°C
<b>Height</b>	45 mm
<b>Diameter</b>	100 mm

### 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
System Sensor, B501AUS	Analogue Addressable
Tyco, Model Z131A	
Tyco, Model Z132A Sounder Base	