



# Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
<b>afp - 1244</b>	28-Jun-1999	Number 12	Issue date 1-May-2018	30-Apr-2019

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## Product designation

**Cerberus Pyrotronics, Model FP-11TS, adjustable nom. sens. (S)=6.0% obs./m to 9.0% 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

Cerberus Pyrotronics  
8 Fernwood Road, FLORHAM PARK, NEW JERSEY, UNITED STATES, 07932

## Conformance criteria and evaluation

The Cerberus Pyrotronics, Model FP-11TS, adjustable nom. sens. (S)=6.0% obs./m to 9.0% 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. Should only be installed in accordance with the manufacturer's instructions.
- ii. The detector is only compatible with the Cerberus MXL fire control panels.

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 Cerberus Pyrotronics, Model FP-11TS, adjustable nom. sens. (S)=6.0% obs./m to 9.0% obs./m, photoelectric smoke detector is a plug-in, two wire, multi-sensor detector with both photoelectric and thermal inputs and is compatible with the Cerberus Pyrotronics control panel. Each detector consists of a dust resistant, field cleanable photo chamber, a solid state non-mechanical thermal sensor, microprocessor based electronics with a low profile cover and base.

The detector utilises an infrared light emitting diode (IRLED) and light sensing photodiode to detect the presence of smoke particles. The detector also utilises a shock resistant thermistor to sense temperature changes. The Cerberus Pyrotronics, Model FP-11TS, adjustable nom. sens. (S)=6.0% obs./m to 9.0% obs./m, photoelectric smoke detector FirePrint technology monitors input from both the photo chamber and the thermal sensor, evaluating the information with algorithms to determine the fire status of the detector. A LED flashes green every four seconds to indicate the detector is communicating with the control panel and has passed its internal self-test. In the fault state, the LED will flash amber and the detector will transmit the information to the control panel. In the alarm state, the control panel will instruct the LED to flash red and continue to flashing until the system is reset at the control panel.

The Cerberus Pyrotronics, Model FP-11TS, adjustable nom. sens. (S)=6.0% obs./m to 9.0% obs./m, photoelectric smoke detector sensitivity, calibration, and identification are dynamically supervised by the control panel. The detector sensitivity and pr-alarm levels are a function of the application chosen at the control panel and are controlled by the control panel.

## Technical specification

The following details are a representative extract of the technical specification for the Cerberus Pyrotronics, Model FP-11TS, adjustable nom. sens. (S)=6.0% obs./m to 9.0% 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.

**Sensitivity range:** Settable at MXL control panel

FirePrint Profile	MXL display	Nominal sensitivity (to AS 1603.2-1997)
Office	NORMAL	8% obs./m.
Warehouse	LOW 2	9% obs./m.
Lobby	NORMAL	8% obs./m.
Computer room	HIGH 3	6% obs./m.
Dormitory	NORMAL	8% obs./m.
Healthcare	HIGH 1	7% obs./m.
Parking Garage	LOW 2	9% obs./m.
Utility room	NORMAL	8% obs./m.
Precious storage	HIGH 3	6% obs./m.
Hostile environment	LOW 2	9% obs./m.

**Operating voltage:** 20.3 V to 27.3 V  
**Quiescent current:** 750  $\mu$ A  
**Operating temperature:** 0°C to 38°C  
**Humidity:** 0 to 93% RH (non-condensing)  
**Connection to FIP:** two wire  
**Dimensions:** diameter 15.2 mm  
(mounted on base assembly) height 5.8 mm

Tested base designation	Base + detector circuit type
Cerberus Pyrotronics, Model DB-11	Analogue Addressable

## Supplementary information

The SensorLINK FPI-32 Program/Test accessory is used to program and verify the detector's address.