



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 1150	16-Jun-1998	Number 14	Issue date 28-Jun-2019	30-Apr-2020

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Product designation

Apollo, Model XP95 55000-430, Type A/B heat detector

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

Agent/distributor

Ampac Pty Ltd
7 Ledger Road, BALCATTA, WA, AUSTRALIA, 6021

Registrant

Ampac Pty Ltd
7 Ledger Road, BALCATTA, WA, AUSTRALIA, 6021

Producer

Apollo Fire Detectors Ltd
36 Brookside Road, HAVANT, HAMPSHIRE, ENGLAND, PO9 1JR

Conformance criteria and evaluation

The Apollo, Model XP95 55000-430, Type A/B heat detector has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 1603.1-1997, '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 Apollo, Model XP95 55000-430, Type A/B heat detector monitors temperature using a single thermistor network that provides a voltage output proportional to the external air temperature. The voltage signal is processed and transmitted to the control equipment on interrogation. The control equipment compares the signal stored with stored data and initiates pre-alarm or fire alarm as the temperature increases. When the control equipment determines that a fire condition exists, it instructs the heat detector to switch ON its alarm indicator LED. For the Type B heat detector, the FIP alarm threshold is set at 70 counts. For the Type A heat detector a Rate of Rise Algorithm is programmed into the FIP.

The Apollo, Model XP95 55000-430, Type A/B heat detector is connected to the supply via terminals L1 and L2 on the base assembly, model 45681-210. The base assembly uses an "XPRT, coded plastic card" to hold the address information in the base assembly without the use of electronic components. Depending on the combination of the pips removed from the card, switches in the detector head are operated to produce the correct address when the detector head is inserted.

Technical specification

The following details are a representative extract of the technical specification for the Apollo, Model XP95 55000-430, Type A/B heat detector and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

Supply voltage:	17 Vdc to 28 Vdc
Quiescent current:	250 μ A
Normal surge current:	310 μ A
Alarm LED current:	2 mA
Alarm threshold:	
Type A:	Rate of Rise Algorithm
Type B:	70 counts
Operating temperature:	-10°C to +70°C
Humidity:	0 to 95% (non condensing)
Dimensions (mounted):	50 mm (h) x 100 mm (diam)

Tested base designation	Base + detector circuit type
Apollo, Model P/N 45681-210	Analogue Addressable

Supplementary information

Base Assembly Terminals:

L1 & L2:	supply in and out connections (polarity insensitive)
+R:	remote indicator positive connection (internal 2k Ω resistance to supply +ve).
-R:	remote indicator negative connection (internal 2k Ω resistance to supply -ve).