



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 1253	19-Oct-1999	Number 14	Issue date 28-Jun-2019	30-Apr-2020

Page 1 of 2

Product designation

Apollo Discovery, Model 58000-430AMP, Type C/D 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 Discovery, Model 58000-430AMP, Type C/D 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' 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

David Whittaker
Executive Officer – ActivFire Scheme



Schedule to Certificate of Conformity

Certificate num.	Registration date	Version		Valid until	Page 2 of 2
afp - 1253	19-Oct-1999	Number 14	Issue date 28-Jun-2019	30-Apr-2020	

Producer's description

The Apollo Discovery, Model 58000-430AMP, Type C/D heat detector have a low air flow resistance case made of self-extinguishing white polycarbonate. The Discovery heat detector uses a single thermistor to sense the air temperature at the detector position. The processed output gives an approximately linear characteristic 10°C to 80°C.

The analogue voltage signal produced is transmitted to the control and indicating equipment for interrogation where the signal is compared with stored data. The control and indicating equipment initiates a pre-alarm or fire alarm condition. In the alarm state, the detector indicator LEDs will be activated. The alarm indicator LEDs are clear when not in alarm and emit a red light when in alarm.

The heat detectors are 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 Discovery, Model 58000-430AMP, Type C/D heat detector and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

Detection principal:	Temperature sensitive resistance
Supply voltage:	14 Vdc to 28 Vdc
Quiescent current:	500 μ A average 750 μ A peak
Normal surge current:	1 mA
Alarm LED current:	3.4 mA
Operating temperature:	-30°C to +80°C
Humidity:	0 to 95% (non condensing)
Dimensions on base:	42 mm (height) x 100 mm (diameter)

Supplementary information

Base assembly terminals:

Manufactured in white polycarbonate with black colouring.

L1 & L2: supply in and out connections (polarity insensitive)

+R: remote indicator positive connection (internal 2.2k Ω resistance to positive).

-R: remote indicator negative connection (internal 2.2k Ω resistance to negative).