



Certificate of Conformity

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Product designation

Ampac, ACP-06, Item Numbers 4105-101x/102x, conventional, Type A, indoor, manual call points

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

Agent/distributor

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

Registrant

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

Conformance criteria and evaluation

The Ampac, ACP-06, Item Numbers 4105-101x/102x, conventional, Type A, indoor, manual call points have been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS ISO 7240.11(Type A):2018, 'Fire detection and alarm systems - Part 11: Manual call points'.
2. CSIRO Technical Specification TS-011, 'Conformity Evaluation of Manual Call Points (non-red)'.

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 device 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

Kai Loh

Executive Officer – ActivFire Scheme



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Producer's description

The Ampac, ACP-06, Item Numbers 4105-101x/102x, conventional, Type A, indoor, manual call points are components of the Ampac fire detection system of products. They are conventional manual call points, and are designed for indoor use.

The Ampac, ACP-06, Item Numbers 4105-101x/102x, conventional, Type A, indoor, manual call points are operated by pressing the non-frangible (plastic) element to initiate a fire alarm. An alarm signal is initialised when the non-frangible element is displaced releasing a push button. Reinstatement of the non-frangible element returns the push button into position and the device is returned to its quiescent state.

The Ampac, ACP-06, Item Numbers 4105-101x/102x, conventional, Type A, indoor, manual call points are available in surface mount and flush mount variants. The surface mount variant is supplied with a back-box for mounting the MCP.

Technical specification

The following details are a representative extract of the technical specification for the Ampac, ACP-06, Item Numbers 4105-101x/102x, conventional, Type A, indoor, manual call points and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

Schedule of variant designations

The following is a schedule of validated variant designations of the certified/listed equipment.

Item num.			
Operational component	Product	Description	Conformance
4105-1091	4105-1011	Red Surface Mount (Fire Symbol)	AS 7240.11:2018
	4105-1012	Yellow Surface Mount Agent Release	AS 7240.11:2018 (as varied by CSIRO TS-011)*
	4105-1013	White Surface Mount Emergency Alarm	AS 7240.11:2018 (as varied by CSIRO TS-011)*
	4105-1014	Green Surface Mount Door Release	AS 7240.11:2018 (as varied by CSIRO TS-011)*
	4105-1015	Blue Surface Mount	AS 7240.11:2018 (as varied by CSIRO TS-011)*
	4105-1018	White Surface Mount Evacuate	AS 7240.11:2018 (as varied by CSIRO TS-011)*
	4105-1021	Red Flush Mount (Fire Symbol)	AS 7240.11:2018
	4105-1022	Yellow Flush Mount Agent Release	AS 7240.11:2018 (as varied by CSIRO TS-011)*
	4105-1023	White Flush Mount Emergency Alarm	AS 7240.11:2018 (as varied by CSIRO TS-011)*
	4105-1024	Green Flush Mount Door Release	AS 7240.11:2018 (as varied by CSIRO TS-011)*
	4105-1025	Blue Flush Mount	AS 7240.11:2018 (as varied by CSIRO TS-011)*
	4105-1028	White Flush Mount Evacuate	AS 7240.11:2018 (as varied by CSIRO TS-011)*

* CSIRO TS-011 extends the colours of the visible surface area and operating face to include non-red colours specified by AS 1670.1:2018, Cl. 3.14.2 to 3.14.6

Schedule of properties/characteristics

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

Attribute	Value
Maximum voltage	30 Vdc
Minimum voltage	4.5 Vdc if LED with R1 is chosen 6.0 Vdc if LED with R2 is chosen
Current Rating (non-operated)	0 mA
Current Rating (operated)	10.0 mA (max), 5 mA (typ)
Resistance in positive	18 mA @12 Vdc – R1 13 mA @12 Vdc – R2 45 mA @24 Vdc – R1 31 mA @24 Vdc – R2
Cable termination	0.5 – 2.5 mm ²
Operating temperature	-30 / +70 °C
Humidity	0 – 95 %
IP rating	42
Material	ABS / P glass fibre

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Supplementary information

Schedule of relevant articles

The following schedule is an extract of articles significant and/or related as evidence of conformity.

Reference		Title / description	Date issued (or date validated)	Source
Ident. type	Ident.			
Report	XF3287/R1	Evaluation for Conformity of the Ampac Model 4105-1091 Conventional Type A, Indoor, Manual Call Point to the requirements of AS 7240.11:2018	16-Aug-2019	CSIRO, Fire Systems Laboratory, AU.
	XF3287/R4	Evaluation for Conformity of the Ampac, ACP-06, Coloured (non-red), Conventional Type A, Indoor, Manual Call Points and Ampac, ACP-07, Coloured (non-red), Conventional Type A, Outdoor, Manual Call Points to the requirements of CSIRO TS-011	13-Nov-2020	
Product Data Sheet	PDS4105-1011-2	Ampac Advanced Warning Systems ACP -06 Conventional Manual Call Point	13-Nov-2020	Ampac Pty Ltd, AU