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# **Certificate of Conformity**

Certificate num.	Registration date	Ve	ersion	Valid until	
afp - 3757	6-Jan-2023	Number 1	Issue date 6-Jan-2023	30-Apr-2024	Page <b>1</b> of <b>2</b>
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# Product designation

Ampac EvacU Elite, Model ASS63LWIPS, loop warden handset

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

# Agent/distributor

### Ampac Pty Limited

7 Ledgar Road, BALCATTA, WA, AUSTRALIA, 6021

### Registrant

Ampac Pty Limited

7 Ledgar Road, BALCATTA, WA, AUSTRALIA, 6021

Producer

Ampac Pty Limited

7 Ledgar Road, BALCATTA, WA, AUSTRALIA, 6021

# **Conformance criteria and evaluation**

The Ampac EvacU Elite, Model ASS63LWIPS, loop warden handset has been evaluated and verified as conforming with the relevant requirements of the following criteria.

- Australian Standard AS ISO 7240.18:2018, 'Fire detection and alarm systems Part 18: 1. Input/output devices'.
- 2. Australian Standard AS ISO 7240.17:2021, 'Fire detection and fire alarm systems Part 17: Transmission path isolators'.

# 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.

Compatibility of this equipment with new or existing emergency warning control and i. indicating equipment (EWCIE) should be verified prior to installation.

# **Producer's description**

The Ampac EvacU Elite, Model ASS63LWIPS, loop warden handset has integrated short circuit isolator which is control and indicating equipment for emergency warning control and indicating equipment (EWCIE). It connects to the 6350-LILC cards which is fitted within AMPAC EWCIE and is powered by the addressable loop of AMPAC EWCIE.

Issued b

Kaj Loh Executive Officer - ActivFire Scheme





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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

# Schedule to Certificate of Conformity

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### **Technical specification**

The following details are a representative extract of the technical specification for the Ampac EvacU Elite, Model ASS63LWIPS, loop warden handset 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.

Line Voltage	48 V
Current draw	18 mA quiescent @24V DC
	22 mA Active
Temperature	-40 °C to 70 °C
Humidity (Relative)	0 to 95% non condensing
Line Signaling	Modulated Digital
Distortion @ -4.7 dB Pa	<1%
Audible Call Signal	> 80 dBA @ 1 metre
Cabling	2 core 2.55 mm <sup>2</sup> (max)
Dimensions	215H × 85W × 62D mm

The AMPAC EvacU Elite, Model ASS63LWIPS, loop warden handset incorporates a transmission path (i.e. short-circuit) isolator circuit.

### Schedule of transmission path isolator circuit

The following is a schedule of validated transmission path isolator circuit of the certified/listed equipment.

Parameter	Description	Value 48 Vdc	
V <sub>max</sub>	Maximum line voltage		
Vnom	Nominal line voltage	48 Vdc	
V <sub>min</sub>	Minimum line voltage	28 Vdc	
V <sub>SO max</sub>	Maximum voltage device isolates	26 Vdc	
V <sub>SO nom</sub>	Nominal voltage device isolates	24 Vdc	
V <sub>SO min</sub>	Minimum voltage device isolates	22 Vdc	
V <sub>SC max</sub>	Maximum voltage device reconnects	28 Vdc	
V <sub>SC nom</sub>	Nominal voltage device reconnects	26 Vdc	
V <sub>SC min</sub>	Minimum voltage device reconnects	24 Vdc	
I <sub>C max</sub>	Maximum rated current	800 mA	
I <sub>L max</sub>	Maximum leakage current when the isolator is open	35 mA	
R max high	Maximum high side resistance of the isolator	150 mΩ	
R max low	Maximum low side resistance of the isolator	150 mΩ	

# Supplementary information

### Schedule of relevant articles

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

Reference			Data issued		
Ident. type	Ident.	Title / description	Date issued (or date validated)	Source	
Report	XF3458/R1	Evaluation for Conformity of the AMPAC EvacU Elite, Model ASS63LWIPS, loop warden handset to the requirements of AS ISO 7240.18:2018 and AS ISO 7240.17:2021	20-Dec-2022	CSIRO, Fire Systems Laboratory, AU	
Document	PDS ASS63LWIPS	AMPAC ADVANCE WARNING Systems EvacU <sup>Elite</sup> Addressable Loop Warden Intercom Point (WIP) Handset (PDSASS63LWIPS EvacU Elite Addressable Warden Intercom Phone.pdf)	4-Mar-2022	Ampac Pty. Ltd.	