

## Certificate of Product Approval

Certificate Number: 966a

Issue: 04

### Ampac Pty Ltd

7 Ledger Road  
Balcatta  
6021  
Australia



is certified by BRE Global Ltd. and is authorised to use the LPCB mark in association with the product(s) listed in this certificate and appendix having complied with the requirement(s) of the standards as detailed below:

#### Products

##### Control and Indicating Equipment

LoopSense 8281-0105  
LoopSense 8281-0205  
(refer to Appendix for details)

#### Standards

**EN 54-2:1997 + A1:2006**

**EN 54-4:1997 + A1:2002 + A2:2006**

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.

Signed for BRE Global Ltd

P Halligan

Verifier

9 July 2019

Date of Issue

9 March 2010

Date of First Issue



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## Appendix to Certificate No: 966a

Issue: 04

### Ampac Pty Ltd

Certified Product	Description	LPCB Ref.No.
LoopSense 8281-0105	<p>One loop, 32 Zone Analogue Addressable Control and Indicating Equipment</p> <p>Incorporating the following units:</p> <p>BRD82MBA Main Termination Board            BRD82ZICC Zone Interface &amp; Control Card            PSU2397 Power Supply Unit            ASS82ZICC Zone Indicator &amp; LCD Assembly (8210)</p> <p>Certificated with the following options with requirements from EN54-2:</p> <p>7.8 Output to fire alarm devices            7.9.1 Output to fire alarm routing equipment            7.9.2 Alarm confirmation input from fire alarm routing equipment            7.11 Delay to outputs            7.12.1 Dependencies on more than one alarm signal - Type A            7.12.2 Dependencies on more than one alarm signal - Type B            7.12.3 Dependencies on more than one alarm signal - Type C            8.3 Fault signal from points            8.9 Output to fault warning routing equipment            9.5 Disablement of each addressable point            10 Test condition</p> <p>Note:</p> <p>1. This product approval does not constitute compliance with the fire detection and alarm systems requirements of EN 54-13.</p>	966a/01

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## Appendix to Certificate No: 966a

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### Ampac Pty Ltd

Certified Product	Description	LPCB Ref.No.
LoopSense 8281-0205	<p>Two loop, 32 Zone Analogue Addressable Control and Indicating Equipment</p> <p>Incorporating the following units:</p> <p>BRD82MBA Main Termination Board            BRD82ZICC Zone Interface &amp; Control Card            PSU2397 Power Supply Unit            8210-0001 2<sup>nd</sup> Loop Activation Key            BRD82LSD Loop Activation Board            ASS82ZICC Zone Indicator &amp; LCD Assembly (8210)</p> <p>Certificated with the following options with requirements from EN54-2:</p> <p>7.8 Output to fire alarm devices            7.9.1 Output to fire alarm routing equipment            7.9.2 Alarm confirmation input from fire alarm routing equipment            7.11 Delay to outputs            7.12.1 Dependencies on more than one alarm signal - Type A            7.12.2 Dependencies on more than one alarm signal - Type B            7.12.3 Dependencies on more than one alarm signal - Type C            8.3 Fault signal from points            8.9 Output to fault warning routing equipment            9.5 Disablement of each addressable point            10 Test condition</p> <p>Note:</p> <p>1. This product approval does not constitute compliance with the fire detection and alarm systems requirements of EN 54-13.</p>	966a/02

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### Ampac Pty Ltd

#### Alternative Model No./Label

LPCB Ref No.	Model No.	Alternative Model No./Label	Cross-listed company	Cross-Listed Co Cert./ Ref No.
966a/01	LoopSense 8281-0105	500-0105A Odyssey	Eurotech Fire Systems Ltd	1213a
966a/02	LoopSense 8281-0205	500-0205A Odyssey	Eurotech Fire Systems Ltd	1213a
966a/01	LoopSense 8281-0105	LoopSense 8281-0105	AMPAC Europe Limited	952a
966a/02	LoopSense 8281-0205	LoopSense 8281-0205	AMPAC Europe Limited	952a

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