

CERTIFICATE OF CONSTANCY OF PERFORMANCE

Issued by DBI Certification, notified body No. 2531.

In compliance with *Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011* (the Construction Products Regulation or CPR), this certificate applies to the construction product

45681-277AMP Integrated Base Sounder with Isolator

The product fulfils the essential characteristic:

See Annex 1

Intended use: Applications related to automatic fire alarm systems

Placed on the market under the name or trade mark of:

Ampac Pty Ltd
7 Ledger Road, Balcatta, 6021, Australia

and produced in the manufacturing plant:

CPA10037

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standards

EN 54-3:2001/A1:2002/A2:2006 : Fire detection and fire alarm systems - Part 3: Fire alarm devices - Sounders
EN 54-17:2005 : Fire detection and fire alarm systems - Part 17: Short-circuit isolators

under system 1 for the performance set out in this certificate are applied and that the performance of the construction product is assessed to remain constant.

The attached annexes form part of this certificate.

Date of issue: **2019-10-31**.

This certificate will remain valid as long as neither the harmonized standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly unless suspended or withdrawn by the notified product certification body.

This certificate was first issued 2019-10-31.



Merete Poulsen
Responsible for evaluation



Allan Laursen
Responsible for certification decision

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DBI Certification A/S

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Annex 1

EXTENT

Type:

45681-277AMP Integrated Base Sounder with Isolator

Notes:

1. Approved to Type A Indoor use only
2. Approved to EN 54-3: 2001 + A1: 2002 + A2: 2006 at the following sounder tones:
 - Alert Tone – 0Hz (1s), 800-1000Hz (1s)
 - Evacuate Tone – 500-700Hz (0.5s), 800-1000Hz (0.5s)

Performance

Essential characteristics	Clauses in EN 54-3:2001	Performance
Performance under fire conditions	4.2, 4.3, 5.2, 5.3	Pass
Operational reliability	4.4, 4.5, 4.6, 5.4, C4	Pass
Durability of operational reliability and response delay; temperature resistance	5.5, 5.6, 5.7, 5.8, 5.9	Pass
Durability of operational reliability; humidity resistance	5.8, 5.9, 5.10	Pass
Durability of operational reliability; corrosion resistance	5.11	Pass
Durability of operational reliability; vibration resistance	5.12 to 5.15	Pass
Durability of operational reliability; electrical stability	5.16	Pass
Durability of operational reliability; resistance to ingress	5.17	Pass
5.6 and 5.10 applies only to outdoor sounders or outdoor voice sounders.		
5.16 applies only to sounders or voice sounders with active electronic components		

Essential characteristics	Clauses in EN 54-17:2005	Performance
Performance under fire conditions	5.2 1)	Pass
Operational reliability	4	Pass
Durability of operational reliability; temperature resistance	5.4, 5.5	Pass
Durability of operational reliability; vibration resistance	5.9 to 5.12	Pass
Durability of operational reliability; humidity resistance	5.6, 5.7	Pass
Durability of operational reliability; corrosion resistance	5.8	Pass
Durability of operational reliability; electrical stability	5.3, 5.13	Pass
1) This is assuming that the effect of the fire is to cause a short circuit in the transmission path that is protected by these devices		

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Annex 2

TEST DOCUMENTATION

Accredited Laboratory	Report no.	Date
BRE BRE BRE BRE	P109696 Issue: 1 TE 222021 P100483-1001 Issue: 1 TE-P105642-1001 Issue: 1	15 August 2018 28 September 2005 21 November 2016 21 March 2019

TECHNICAL BASIS

File Number	Title
45681-277	Build Standard

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