



# Declaration of Performance

According to the Construction Products Regulation EU no. 305/2011

## 1. Unique Product identification code:

PFL VACIE V1.3

## 2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):

BSS BLU 806	BSS BLU 326	BSS BLU 120
BSS BLU 160	BSS BLU DAN	BSS MC-1
BSS BLU GPX		
Media Matrix N6	Media Matrix N3	Media Matrix NX
Media Matrix nCIE Pilot		
Luminex GigaCore 26i	Luminex GigaCore 26i PoE	
Crown DCi 4 1250 DA	Crown DCi 8 600 DA	Crown DCi 8 300 DA
Crown DCi 4 600N	Crown DCi 4 300N	Crown DCi 2 600N
Crown DCi 2 300N		
d&b 10D	d&b 30D	d&b D80
d&b DS10		
Powersoft Ottocanali 12K4 DSP+D	Powersoft Ottocanali 8K4 DSP+D	Powersoft Ottocanali 4K4 DSP+D
Powersoft Ottocanali 12K4 DSP+ETH	Powersoft Ottocanali 8K4 DSP+ETH	Powersoft Ottocanali 4K4 DSP+ETH
Powersoft Quattrocanali 4804 DSP+D	Powersoft Quattrocanali 2404 DSP+D	Powersoft Duecanali 1604 DSP+D
Powersoft Duecanali 1604 DSP+D	Powersoft Duecanali 804 DSP+D	
Powersoft X4D	Powersoft X8D	



PAVA Facilities emergency microphone	AMX NX3200 (non-voice alarm use)	EDAM 5060
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3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

EN54-16 Fire detection and fire alarm systems - Part 16: Voice alarm control and indicating equipment.

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):

PAVA Facilities Limited  
 44 Mount Ephraim  
 Tunbridge Wells  
 Kent  
 TN4 8AU  
 United Kingdom

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

Not applicable

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

System 1

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:

.....  
 .....

(name and identification number of the notified body, if relevant)



performed ..... under system  
 ..... (description of the third-party  
 tasks as set out in Annex V)

and issued  
 .....  
 .....

(certificate of constancy of performance, certificate of conformity of the factory  
 production control, test/calculation reports – as relevant)

8 In case of the declaration of performance concerning a construction product  
 for which a European Technical Assessment has been issued:

Not applicable

9. Declared performance

Essential characteristics	Performance	Harmonised technical specification
Performance under fire condition	5: all indications comply with EN 54-16 7: reception and processing of fire signals. Indicating, silencing and reset of the fire alarm condition comply with EN 54-16 10: voice alarm manual control with common fault and status indication comply with EN 54-16 12: emergency microphone(s) with highest priority 16.5: S/N: > 45dB 16.6: frequency response at full load within the limits of EN 54-16 16.7: frequency response with microphone at full load within the limits of EN 54-16	EN 54-16: 2008, clauses 4, 5, 7, 10, 12, 16.5, 16.6, 16.7
Response delay (response time to fire)	7.1: response to fire signals within 3 seconds, no status change or loss of control in case of a failure of the transmission path to CIE 7.3: Audible warning 7.9: Voice alarm condition output	EN 54-16: 2008, clauses.1, 7.1, 7.3 7.4, 7.9, 12



Essential characteristics	Performance	Harmonised technical specification
	12: emergency microphone(s) with highest priority	
Operational reliability	<p>4, 5, 7, 12: refer to performance under fire conditions</p> <p>6: quiescent condition distinguishable from fault and alarm conditions</p> <p>8: fault condition indicated visible and with sounded, fault detection within 100 seconds.</p> <p>9, 11: not applicable (options)</p> <p>13: designed under a quality management system. Documentation containing all essential technical information as cable parameters, fuse ratings, interface descriptions, operating instructions; maximum and minimum electrical ratings, power requirements. Visibility of indicators at ambient brightness of 500 lux, indicator colours in yellow for faults, green for power and red for alarm condition. Sound pressure level of sounder &gt; 60 dB SPL. Frequency response with and without microphone within the limits given by EN 54- 16. Non- volatile message store.</p> <p>14: Software design and documentation in compliance with EN 54-16. Surveillance of program proceeding by watchdog timer, fault warning at CPU fault, storage of program data in non-volatile memory, memory contents surveillance by checksum.</p>	EN 54-16: 2008, clauses 4, 5, 6, 7, 8, 9, 11, 12, 13, 14
Durability of operational reliability: Temperature resistance	<p>16.4: output power at AC-mains -15%: THD all less than 1%</p> <p>16.8: operating at -5°C for 16 hours</p>	EN 54-16: 2008, articles 16.4, 16.8
Durability of operational reliability: Impact and	<p>16.11: 3 impacts per surface with a force of 0.5 J</p> <p>16.12: vibration with an acceleration amplitude of 0,981 ms<sup>-2</sup> from 10 to 150 Hz (operational)</p> <p>16.13: vibration with an acceleration amplitude of</p>	EN 54-16: 2008, articles 16.11, 16.12, 16.13



Essential characteristics	Performance	Harmonised technical specification
vibration resistance	4,905 ms <sup>-2</sup> from 10 to 150 Hz (endurance)	
Durability of operational reliability: Electrical stability	16.14: full functionality at AC-mains voltage 230 V AC (+10/-15%) (195.5 – 253 V AC) 16.15: mains supply voltage variations; mains supply voltage dips and interruptions; electrostatic discharge; radiated electromagnetic fields; conducted disturbances induced by magnetic fields; fast transient bursts; slow high energy voltage surges (EN 50130-4:1995/A1:1998 and EN 50130-4:1995/A2:2003) with no negative effect on functions	EN 54-16: 2008, articles 16.14, 16.15
Durability of operational reliability: Humidity resistance	16.9: 4 days of damp heat at 40°C and 93% humidity (in operational mode) 16.10: 21 days of damp heat at 40°C at 93% humidity (endurance)	EN 54-16: 2008, articles 16.9, 16.10

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4. Signed for and on behalf of the manufacturer by:

Name

Roland Hemming

Position

Director

Date

19<sup>th</sup> January 2020

Signature



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