



Certificate of
constancy of performance
0560-CPR-182190000
Issue: 00

Issued 16 December 2019
First issued 13 December 2019

Replaces
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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:

Product description:	Public Address and Voice Alarm System
Trademark:	Bosch
Type designation:	PRAESENSA
Conditions and essential characteristics:	See Annex 1
Variants:	See Annex 1

placed on the market under the name or trademark of:

Name of the manufacturer:	Bosch Security Systems B.V.
Address:	Torenallee 49
City:	5617 BA EINDHOVEN
Country:	Netherlands

and produced in the manufacturing plant(s):

Manufacturing plant:	Bosch Security Systems B.V.
Address:	Torenallee 49
City:	5617 BA EINDHOVEN
Country:	Netherlands

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard(s):

EN 54-16
EN 54-4
EN 54-4/A1
EN 54-4/A2

under system 1 for the performances set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the **constancy of performance of the construction product**.

This certificate was first issued on 2019-12-13 and will remain valid as long as neither the harmonised 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

Ronald Karel
Managing director

Remarks and observations

The following conditions are applicable:

Essential characteristics of EN 54-16:	Clauses:	Performance
Performance under fire condition	4, 5, 7, 10, 12, 16.5, 16.6, 16.7	Pass
Response delay (response time to fires)	7.1, 12	Pass
Operational reliability	4, 5, 6, 7, 8, 11, 12, 13, 14	Pass
Durability of operational reliability temperature resistance	16.4, 16.8	Pass
Durability of operational reliability Impact and vibration resistance	16.11, 16.12, 16.13	Pass
Durability of operational reliability electrical stability	16.14, 16.15	Pass
Durability of operational reliability humidity resistance	16.9, 16.10	Pass

Implemented optional functions with requirements (per clause of EN 54-16):

- 7.3 Audible warning
- 7.5 Phased evacuation
- 7.6.2 Manual silencing of the voice alarm condition
- 7.7.2 Manual reset of the voice alarm condition
- 7.9 Voice alarm condition output
- 8.3 Indication of faults related to the transmission path to the CIE
- 8.4 Indication of fault related to voice alarm zones
- 10 Voice alarm manual control
- 11 Interface to external control device(s)
- 12 Emergency microphone(s)
- 13.14 Redundant power amplifiers

Essential characteristics of EN 54-4:	Clauses:	Performance
Performance of power supply	4, 5, 6	Pass
Operational reliability	4, 5, 6, 7, 8	Pass
Durability of operational reliability temperature resistance	9.5	Pass
Durability of operational reliability impact and vibration resistance	9.7, 9.8, 9.15	Pass
Durability of operational reliability electrical stability	9.9 to 9.13	Pass
Durability of operational reliability humidity resistance	9.6, 9.14	Pass

The product as described in this Certificate of Constancy of Performance includes the following type designations:

- Product description: Public Address and Voice Alarm System
- Trademark: Bosch
- Type designation: PRAESENSA

- Product description: System controller
- Trademark: Bosch
- Type designation: PRA-SCL
- Hardware version: 01/00 - 01/01
- Software version: 1.0

- Product description: Amplifier, 600W 4-channel
- Trademark: Bosch
- Type designation: PRA-AD604
- Hardware version: 01/00 - 01/01

Annex 1 to Certificate of Constancy of Performance

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- Software version: 1.0

- Product description: Amplifier, 600W 8-channel
- Trademark: Bosch
- Type designation: PRA-AD608
- Hardware version: 01/00 - 01/01
- Software version: 1.0

- Product description: End-of-line device
- Trademark: Bosch
- Type designation: PRA-EOL
- Hardware version: 01/00 - 01/01
- Software version: 1.0

- Product description: Multifunction power supply, large
- Trademark: Bosch
- Type designation: PRA-MPS3
- Hardware version: 01/00 - 01/01
- Software version: 1.0

- Product description: Desktop LCD call station
- Trademark: Bosch
- Type designation: PRA-CSLD
- Hardware version: 01/00 - 01/01
- Software version: 1.0

- Product description: Wallmount LCD call station
- Trademark: Bosch
- Type designation: PRA-CSLW
- Hardware version: 01/00 - 01/01
- Software version: 1.0

- Product description: Call station extension
- Trademark: Bosch
- Type designation: PRA-CSE
- Hardware version: 01/00 - 01/01
- Software version: 1.0

- Product description: Ethernet switch, 8xPoE, 2xSFP
- Trademark: Advantech
- Type designation: PRA-ES8P2S
- Hardware version: Rev. 04
- Software version: 1.01.04

- Product description: Fiber transceiver, multimode
- Trademark: Advantech
- Type designation: PRA-SFPSX
- Hardware version: Rev. A0
- Software version: N/A

- Product description: Fiber transceiver, single mode
- Trademark: Advantech
- Type designation: PRA-SFPLX
- Hardware version: Rev. A0
- Software version: N/A