



Certificate of
constancy of performance
0560-CPR-202190028
Issue: 02



Issued	07-05-2024	Replaces	0560-CPR-202190028 / 01
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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:	Dynacord
Type designation:	PROMATRIX 9000
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 54-16:2008
EN 54-4:1997
EN 54-4:1997/A1:2002
EN 54-4:1997/A2:2006

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 17-09-2020 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

Ron Scheepers
Managing director

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<https://www.kiwa.com/nl/en/specials/fire-safety-and-security>

Notified Body No. 0063



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
- 7.8 Output to fire alarm devices
- 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

Ambient noise sensor PRA-ANS and wall control panels PRA-WCP-EU and PRA-WCP-US are accessory which can be connected to the PROMATRIX 9000 Public Address and Voice Alarm System.

The PRA-ANS, PRA-WCP-EU and PRA-WCP-US does not affect the EN 54-16 compliance.

The product as described in this certificate includes the following type designations

- Product description: Public Address and Voice Alarm System
- Trademark: Dynacord
- Type designation: PROMATRIX 9000

- Product description: SW
- Trademark: Dynacord
- Type designation: PRAESENSA 1.xx
- Hardware version: N/A

- Software version:	1.xx
- Product description:	SW
- Trademark:	Dynacord
- Type designation:	PRAESENSA 2.xx
- Hardware version:	N/A
- Software version:	2.xx
- Product description:	System controller, Large
- Trademark:	Dynacord
- Type designation:	PM9-SCL
- Hardware version:	01/xx
- Software version:	1.xx - 2.xx
- Product description:	Amplifier, 600W 4-channel
- Trademark:	Dynacord
- Type designation:	PM9-AD604
- Hardware version:	01/xx
- Software version:	1.xx - 2.xx
- Product description:	Amplifier, 600W 8-channel
- Trademark:	Dynacord
- Type designation:	PM9-AD608
- Hardware version:	01/xx
- Software version:	1.xx - 2.xx
- Product description:	End-of-line device
- Trademark:	Dynacord
- Type designation:	PM9-EOL
- Hardware version:	01/xx
- Software version:	1.xx - 2.xx
- Product description:	Multifunction power supply, large
- Trademark:	Dynacord
- Type designation:	PM9-MPS3
- Hardware version:	01/xx
- Software version:	1.xx - 2.xx
- Product description:	Desktop LCD call station
- Trademark:	Dynacord
- Type designation:	PM9-CSLD
- Hardware version:	01/xx
- Software version:	1.xx - 2.xx
- Product description:	Wallmount LCD call station
- Trademark:	Dynacord
- Type designation:	PM9-CSLW
- Hardware version:	01/xx, 02/xx
- Software version:	1.xx - 2.xx
- Product description:	Call station extension
- Trademark:	Dynacord
- Type designation:	PM9-CSE
- Hardware version:	01/xx
- Software version:	1.xx - 2.xx
- Product description:	Ethernet switch, 8xPoE, 2xSFP
- Trademark:	Advantech
- Type designation:	EKI-7710G-2CP (Bosch Order Code: PRA-ES8P2S)
- Hardware version:	Rev. 04

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- Software version: 1.01.xx

 - Product description: Fiber transceiver, multimode
 - Trademark: Advantech
 - Type designation: SFP-GSX/LCI-AE (Bosch Order Code: PRA-SFPSX)
 - Hardware version: Rev. A0
 - Software version: N/A

 - Product description: Fiber transceiver, single mode
 - Trademark: Advantech
 - Type designation: SFP-GLX/LCI-10E (Bosch Order Code: PRA-SFPLX)
 - Hardware version: Rev. A0
 - Software version: N/A

 - Product description: Line isolator drive
 - Trademark: Hacousto Holland B.V.
 - Type designation: Loop Drive Booster (Bosch Order Code: PRA-LID)
 - Hardware version: R2
 - Software version: V5

 - Product description: Line isolator module
 - Trademark: Hacousto Holland B.V.
 - Type designation: Fault Isolator Module (Bosch Order Code: PRA-LIM)
 - Hardware version: HAC3001eV01R01, HAC3001fV01R01
 - Software version: FIMv01r09, FIMv01r10B1

 - Product description: Network synchronizer enterprise
 - Trademark: Advantech
 - Type designation: ARK1123 C-CTOS-ENNLBO02-M4 (Bosch Order Code: OMN-ARNIE)
 - Hardware version: 00/xx
 - Software version: 8.4x, 9.xx

 - Product description: Network synchronizer single
 - Trademark: Advantech
 - Type designation: ARK1123 C-CTOS-ENNLBO02-M5 (Bosch Order Code: OMN-ARNIS)
 - Hardware version: 00/xx
 - Software version: 8.4x, 9.xx

 - Product description: Industrial ethernet switch
 - Trademark: CISCO
 - Type designation: IE-5000-12S12P-10G
 - Hardware version: V06
 - Software version: 15.2

 - Product description: Low Voltage DC Power Source for IE-5000
 - Trademark: CISCO
 - Type designation: PWR-RGD-LOW-DC-H
 - Hardware version: V01
 - Software version: N/A

 - Product description: 10G SFP Transceiver Module
 - Trademark: CISCO
 - Type designation: SFP-10G-LR
 - Hardware version: V02
 - Software version: N/A

 - Product description: 1G SFP Transceiver Module
 - Trademark: CISCO
 - Type designation: GLC-LX-SM-RGD
 - Hardware version: V02

- Software version: N/A

- Product description: DC-to-DC converter
- Trademark: Mean Well
- Type designation: DDR-60L-12
- Hardware version: N/A
- Software version: N/A

- Product description: System Controller, Small
- Trademark: Dynacord
- Type designation: PM9-SCS
- Hardware version: 01/xx
- Software version: 1.xx - 2.xx

- Product description: Fist microphone, long cable
- Trademark: Bosch
- Type designation: PRA-FML
- Hardware version: 01/xx
- Software version: N/A

- Product description: Control interface module, 16x8
- Trademark: Bosch
- Type designation: PRA-IM16C8
- Hardware version: 01/xx
- Software version: 1.xx - 2.xx

- Product description: Loudspeaker DC blocking board
- Trademark: Bosch
- Type designation: PM1-LISD
- Hardware version: 01/xx
- Software version: N/A