



**CERTALARM**  
the Quality Mark  
for Fire  
& Security

Registered in Brussels: CertAlarm AISBL, 1080 Brussels, Boulevard Edmond Machtens 180

# CERTIFICATE

**No 000019 / 01**

In accordance with the **CERTALARM** Rules, we certify that the

**Praesideo 3.5**

is in conformity with the following standard(s)

**EN54-16:2008**

**Voice alarm control and indicating equipment**

**Bosch Security Systems B.V.**

Kapittelweg 10, 4827 HG BREDA, THE NETHERLANDS

is authorised to use the **CERTALARM** Mark on the above mentioned

This certificate is valid until:

**01 April 2015**

Signed on behalf of Telefication, located at Zevenaar, The Netherlands

31 March 2011

**Willem Jan Jong**  
Certification Operations Manager



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This certificate and the annex(es) may only be copied completely and without any additions.



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**No 000019 / 01 - Annex No 1**

**Takes into account for the following product:**

**Praesideo 3.5**

**The optional features of the specifications that are included in the product and test report:**

- 7.3 Audible warning
- 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

**Test Report Number:**

Telefication B.V. - 20104096800 - Rev. 1.00 - 31 March 2011

## Remarks and observations

Manufacturers:

1. Bosch Communications Systems, EVI Audio GmbH  
Sachsenring 60, 94315 Straubing, Germany

2. Bosch (Zhuhai) Security Systems company, Ltd  
20 Ji Chang Bei Road, Qingwan Industrial Estate, 519040, Zhuhai, Sanzao Town, Jinwan District, P.R.  
China



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**No 000019 / 01 - Annex No 2**

The tested configuration of the Praesideo system is representative for comparable combinations of components as identified in annex 3 of this certificate. Each component may be installed multiple times into a Praesideo system. The installer is responsible for the correct selection of components and EN 54-16 compliance of the completely installed system. EN 54-16 compliance of the Praesideo system is only achieved if the installer fulfills all installer specific requirements as stated in the EN54-16 compliance checklist in the installation and user instructions.

Certification of the Praesideo Digital Public Address and Emergency Sound System includes the cabinets (i.e. the enclosed 19" racks) in which the system components are mounted. It is allowed to use one or more cabinets, depending on the size of the Praesideo system. Within the same cabinet family different heights are allowed up to a maximum height that depends on the brand and type of an approved cabinet. The following cabinets have been approved for use with Praesideo:

\* Rittal TS8 series, with lockable glass door, side panels, temperature controlled top fans and a lockable swing frame with a maximum height of 40 HU.

# CERTIFICATE

**No 000019 / 01 - Annex No 3**

The product as described in this annex includes the following components, listed with their type designations:

Product description	Trademark	Family name	Type designation	Hardware version	Software version
Audio Expander	BOSCH	Praesideo	LBB4402/00	16/15	3.5
Power Amplifier 8 x 60 W	BOSCH	Praesideo	LBB4428/00	04/05 & 05/05	3.5
Basic Call Station	BOSCH	Praesideo	LBB4430/00	06/15	3.5
Call Station Keypad	BOSCH	Praesideo	LBB4432/00	01/18	3.5
Supervision Control Board	BOSCH	Praesideo	LBB4440/00	01/05	3.5
LSP Supervision Board	BOSCH	Praesideo	LBB4441/00	01/05	3.5
Line Supervision Set	BOSCH	Praesideo	LBB4442/00	01/10	3.5
EOL Supervision Board	BOSCH	Praesideo	LBB4443/00	01/05	3.5
Multichannel Interface	BOSCH	Praesideo	PRS-16MCI	04/10	3.5
Basic Amplifier 1 x 500 W	BOSCH	Praesideo	PRS-1B500	06/05	3.5
Power Amplifier 1 x 500 W	BOSCH	Praesideo	PRS-1P500	06/05	3.5
Basic Amplifier 2 x 250 W	BOSCH	Praesideo	PRS-2B250	06/05	3.5
Power Amplifier 2 x 250 W	BOSCH	Praesideo	PRS-2P250	06/05	3.5
Basic Amplifier 4 x 125 W	BOSCH	Praesideo	PRS-4B125	06/05	3.5
Power Amplifier 4 x 125 W	BOSCH	Praesideo	PRS-4P125	06/05	3.5
Basic Amplifier 8 x 60 W	BOSCH	Praesideo	PRS-8B060	06/05	3.5
Call Stacker	BOSCH	Praesideo	PRS-CRF	01/10	3.5
Call Station Interface	BOSCH	Praesideo	PRS-CSI	01/15	3.5
Numeric Keypad	BOSCH	Praesideo	PRS-CSNKP	01/18	3.5
Remote Call Station	BOSCH	Praesideo	PRS-CSR	01/15	3.5
Fiber Interface	BOSCH	Praesideo	PRS-FIN	03/15	3.5
Fiber Interface Non-Addressable	BOSCH	Praesideo	PRS-FINNA	03/15	3.5
Fiber Interface Single-Mode	BOSCH	Praesideo	PRS-FINS	03/15	3.5
Network Controller	BOSCH	Praesideo	PRS-NCO-B	21/05	3.5
Network Splitter	BOSCH	Praesideo	PRS-NSP	03/15	3.5
Praesideo Software	BOSCH	Praesideo	PRS-SW	N/A	3.5