

# Type Approval Certificate



This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the GL Type Approval System.

Certificate No. 47 961 - 03 HH

Company Bosch Security Systems B.V.  
Torenallee 49  
5617 BA Eindhoven, NETHERLANDS

Product Description Digital Public Address and Emergency Sound System

Type Praesideo Version 3.x  
Praesideo Version 4.x

Environmental Category C; EMC1; EMC 2\*

Technical Data / Range of Application Rated Voltage : 100 ... 120 / 220 ... 240 V AC  
Rated Frequency : 50 ... 60 Hz

System Components:

Network Controller

- PRS-NCO-B\*<sup>1</sup>
- PRS-NCO3<sup>1</sup>
- LBB 4402/00 Analogue Audio Expander
- LBB 4404/00 CobraNet Interface
- LBB 4430/00<sup>1</sup> Call Station Basic
- LBB 4432/00<sup>1</sup> Call Station Keypad
- LBB 4433/00 Call Station Kit
- LBB 4434/00 Call Station Keypad Kit

Software Version:

Praesideo Software Version 3.x latest update 12-06-2013

Praesideo Software Version 4.x latest update 13-06-2013

Test Standard Guidelines for the Performance of Type Approvals VI-7-2 Edition, Edition 2012  
Regulations for the Use of Computers and Computer Systems

Documents Test report : PY007918 dated 08-01-2013, PY007924 dated 06-03-2013; No. 028-713016441-000 dated 13-02-2013, 028-713023405-000 dated 03-05-2013; EN54-16  
Test Report 20124320800 dated 29-Jan-2013, ISO7240-16 No. 20124320804 dated 25-Feb-2013, PRS-NCO3 EN60945 No. 0133256200 dated 16-May-2013

Remarks \* for EMC2 use only ; \*\* special EMC filter is necessary (FN 2080-6/06 by Schaffner); <sup>1</sup> passed tests according IEC 60945:2002 (4th Edition)

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Hamburg, 2013-07-04

Type Approval Symbol



Germanischer Lloyd

Marco Rinkel

Andrea Grün

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- LBB 4428/00*	Power Amplifier 8 x 60 W;
- LBB 4428/10-CN	Power Amplifier 8 x 60 W (CN)
- PRS-1P500**	Power Amplifier 1 x 500 W;
- PRS-1P500-CN**	Power Amplifier 1 x 500 W (CN)
- PRS-2P250**	Power Amplifier 2 x 250 W
- PRS-4P125**	Power Amplifier 4 x 125 W
- PRS-1B500	Basic Amplifier 1x500W
- PRS-1B500-CN	Basic Amplifier 1 x 500 W (CN)
- PRS-2B250	Basic Amplifier 2x250W
- PRS-2B250-CN	Basic Amplifier 2 x 250 W (CN)
- PRS-4B125	Basic Amplifier 4 x 125 W
- PRS-4B125-CN	Basic Amplifier 4 x 125 W (CN)
- PRS-8B060*	Basic Amplifier 8 x 60 W
- PRS-8B060-CN	Basic Amplifier 8 x 60 W (CN)
- LBB 4440/00*	Supervision Control Board
- LBB 4441/00	LSP Supervision Board
- LBB 4442/00	Line Supervision Set
- LBB 4443/00	EOL Supervision Board
- LBB 4416/00	Network Cable 100 meters
- LBB 4416/01*	Network Cable Assy 0.5 meters
- LBB 4416/02	Network Cable Assy 2.0 meters
- LBB 4416/05*	Network Cable Assy 5.0 meters
- LBB 4416/10	Network Cable Assy 10 meters
- LBB 4416/20	Network Cable Assy 20 meters
- LBB 4416/50	Network Cable Assy 50 meters
- LBB 4417/00	Set of Network Connectors
- LBB 4419/00	Set of Cable Couplers
- PRS-NSP	Network Splitter

For a second redundant Network Controller (PRS-NC0-B; PRS-NC03) special Splitters can be used:

- PSP-D00039 SPEC RCS Master
- PSP-D00040 SPEC RCS Slave

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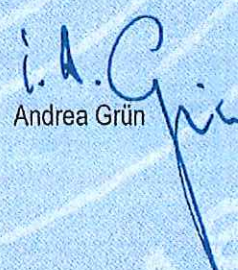
Hamburg, 2013-07-04

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Marco Rinkel

  
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This certificate is issued on the basis of "Guidelines for the Performance of Type Approvals Part 1, Procedure".

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- PRS-FIN *	Fiber Interface
- PRS-FINNA	Fiber Interface Non -addressable
- PRS-FINS	Fiber Interface Single Mode
- PRS-CRF	Call Stacker
- PRS-16MCI / PRS-16MCI-CN	Multi Channel Interface (CN)
- PRS-CSNKP	Numeric Keypad
- PRS-CSI	Call Station Interface
- PRS-CSR	Remote Call Station
- PRS-CSRK	Remote Call Station Kit

#### Discontinued Items:

- LBB 4410/00	Network Splitter
- LBB 4414/00	Fiber Interface
- LBB 4414/10	Fiber Interface NON-ADDR

#### Power Amplifier

- LBB 4421/00: 1 x 500 W; LBB 4421/10: 1 x 500 W; LBB 4421/10-CN: 1 x 500 W (CN); LBB 4422/00: 2 x 250 W
- LBB 4422/10: 2 x 250 W; LBB 4422/10-CN: 2 x 250 W (CN); LBB 4424/00: 4 x 125 W; LBB 4424/10: 4 x 125 W
- LBB 4424/10-CN: 4 x 125 W (CN); LBB 4426/00: 8 x 60 W

- LBB 4437/00	Call Station Interface
- LBB 4438/00	Remote Call Station
- LBB 4439/00	Remote Call Station Kit

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## Additional Documentation

Software Questionnaire regarding Requirement Class 3 dated 20-11-2003;  
Software Release Note: LBB4402/00 dated 2011-03-11; Release Note: Praesideo Release 3.50: dated 2011-02  
RLS2013002 PRS-SW 4.0 dated 24-01-2013; Praesideo Release 4.00: dated 2012-12

## Test Reports:

PY007821 and 007805 dated 11-09-2006; TÜV Technical Report No. 70032746 dated 31-03-2003 and 028-71335218-000 Rev. 0 dated 2008-09-08; Technical Documentation 890044011001.190.001 dated 17-08-2005  
Technical Report No. 2007-3384 Rev. 2  
2088529.53-QUA/ESG dated 19-04-2006; 2085200.50-QUA/ESG and 2085200.51-QUA/ESG dated 31-03-2006;  
2088529.55-QUA/PEP dated 11-09-2006; 2077981.50-QUA/ESG dated 24-12-2004  
2088529.62 dated 29-10-2007; 2115782.10 dated 10-06-2008; 211632.50 dated 03-04-2008;  
2107050.51 dated 17-03-2008; 2115782.31 dated 25-08-2008; 2115782.20 dated 02-07-2008;  
2115782.40 dated 23-06-2008; 2115782.50 dated 04-07-2008; 2115782.60 dated 30-06-2008  
EMC LBB 4441/00 dated 29-03-2005; EMC LBB 4430/00, 4432/00, 4433/00 and 4434/00 dated 11-09-2003;  
EMC LBB 4440/00 dated 25-03-2005; EMC LBB4402/00 dated 16-06-2011  
PY 007815; PY 007850; PY067809; PY077805; PY 197806; PY 197807; PY 007849; PY 217803 dated 29-08-2008;  
PY197805\_PRS-8b060 dated 21-05-2008; PY077804\_PRS-CSNKP; PY217802\_PRS-CRF;  
PY007886\_PRS-FINS; PY007884\_PRS-FIN dated 11-03-2008  
PY067808\_PRS-CSRK; PY067806\_PRS-CSI; PY067807\_PRS-CSR dated 08-04-2008;  
PY007885\_PRS-FINNA; PY197804\_PRS-4b125  
2115782.50 dated 04-07-2008; 2115782.10 and 2115782.70 dated 02-04-2009  
2115782.40 dated 02-04-2009; 2115782.60 dated 30-06-2008; 2115782.20 dated 02-07-2008  
PY 217803 dated 12-02-2009  
PY097813, PY097814, PY097816, PY097825, PY197814, PY197818, PY217802 dated 11-04-2011  
PY007813; PY007814; PY007815; PY007819; PY007849; PY007858; PY007859; PY007860; PY007863; PY067809;  
PY197806 dated 27-03-2013  
20133256202 Rev. 1.0 dated 16-05-2013; 20104096800 Rev.1.10 and 20114721801 Rev.1.00 dated 03-09-2012;  
20124320800 Rev.1.00 dated 29-01-2013; BMA 11111 dated 12-01-2012; PY007852; PY007883; PY007884; PY007912;  
PY067806; PY067808; PY 197804; PY 197811; PY 197812; PY 19782 0 dated 04-04-2013  
028-713016441-000 Rev.0 dated 26-02-2013; 2152373.50-PEP and 2152373.51-PEP dated 12-11-2012

Installation and User Instructions: Praesideo Release 3.50 dated 2011-02

Installation and User Instructions: Praesideo Release 4.00 dated 2013.01

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