



Type Approval Certificate

Germanischer Lloyd

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.
Kapittelweg 10
NL-4827 HG Breda

Product Description Digital Public Address and Emergency Sound System

Type Praesideo Version 2.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:
- LBB4401/00 Network Controller
- LBB 4402/00 Analogue Audio Expander
- LBB 4410/00 Network Splitter
- LBB 4414/00 Fibre Interface

- LBB 4430/00 Call Station Basic
- LBB 4432/00 Call Station Keypad
- LBB 4433/00 Call Station Kit
- LBB 4434/00 Call Station Keypad Kit

Software Version:
- LB 4470/00 Praesideo Configuration / Diagnostic / Logging Software Version 2.x

Test Standard Regulations for the Performance of Type Tests, Part 1, Edition 2001
Regulations for the Use of Computers and Computer Systems

Documents Test report : PY000503 dated 19-11-2003; TÜV Technical Report No. 70032746 dated 31-03-2003
Software Questionnaire regarding Requirement Class 3 dated 20-11-2003
Overview Praesideo 2.0 Documentation dated 21-11-2003

Remarks The Network Controller and the Power Amplifier 8x60 W for EMC2 use only.

Valid until 2008-11-24

Page 1 of 2

Type Approval Symbol



File No. I.A.14

Hamburg, 2003-11-25

Germanischer Lloyd

J. Wittburg
J. Wittburg

A. Grün
A. Grün

This certificate is issued on the basis of "Regulations for the Performance of Type Tests, Part 0, Procedure".



Type Approval Certificate

Germanischer Lloyd

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

- LBB 4421/00 Power Amplifier 1 x 500 W
- LBB 4422/00 Power Amplifier 2 x 250 W
- LBB 4424/00 Power Amplifier 4 x 125 W
- LBB 4426/00 Power Amplifier 4 x 60 W
- LBB 4428/00 Power Amplifier 8 x 60 W
- LBB 4442/00 Line Supervision Set
- 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

Valid until 2008-11-24

Page 2 of 2

File No. I.A.14

Hamburg, 2003-11-25

Type Approval Symbol



Germanischer Lloyd

J. Wittburg

A. Grün

This certificate is issued on the basis of "Regulations for the Performance of Type Tests, Part 0, Procedure".