

Bosch Security Systems B.V.**BOSCH****EMC Traction Test Declaration of Conformity**

Manufacturer **Bosch Security Systems B.V.**
Business Unit Communication Systems
P.O. Box 90106
4800 RA Breda
The Netherlands

We declare under our sole responsibility that the products:

Product Name	Type Number	HW Revision	CPLD Revision	OTP Revision
Power Amplifier 1 x 500 W	LBB 4421/10	02/04	01/80	-
Power Amplifier 2 x 250 W	LBB 4422/10	02/04	01/80	-
Power Amplifier 4 x 125 W	LBB 4424/10	02/04	01/80	-
Power Amplifier 8 x 60 W	LBB 4428/00	01/07	01/80	-
Basic Amplifier 1 x 500 W	PRS-1B500	01/00	-	-
Basic Amplifier 2 x 250 W	PRS-2B250	01/00	-	-
Multi Channel Interface	PRS-16MCI	01/00	01/80	01/00
Line Supervision Set	WLS-1 LBB 4442/00	01/06	-	-
Supervision Control Board	WLS-2 LBB 4440/00	01/01	-	01/00
LSP Supervision Board	WLS-2 LBB 4441/00	01/00	-	01/00
End of Line Supervision Board	WLS-2 LBB 4443/00	01/00	-	01/00

to which this declaration relates is in conformity with the requirements of the:

EMC Directive 89/336EEC amended by Directive 93/68/EEC

Comprising the harmonized EMC Railway Applications standard:

EN 50121-4 (2000) (Part 4: Emission and immunity of signalling and telecommunications apparatus)

EMC Test comprises only annex A Traction Frequency Test (line to ground):

16.7 Hz for 84 V (induced voltage by traction current) > 60 sec and 500 V (short circuit current) 0.1 sec and

50 Hz for 50 V (induced voltage by traction current) > 60 sec and 217 V (short circuit current) 0.1 sec.

These figures are based upon a typical loudspeaker cable length of 1 km.

The EMC tests are performed on the 100 V, 70 V and 50 V loudspeaker audio output connection cables. It is noted that the loudspeaker cables are not shielded types.

These products comply with the above stated requirements and bear the **CE** marking accordingly.

Quality Assurance

These products are produced by a manufacturing organisation, which is certified on ISO 9001:2000 and ISO 14001:2004 standards.

BL Manager : **H. Goudsmits**

Quality Manager : **F. Huele**

Signed :

Signed :

Date :

Date :

H. Goudsmits
28-02-07

F. Huele
27.02.07

Power Amplifier 1 x 500 W LBB 4421/10		Also valid for: see table above		27-02-2007
Manufacturers CE Declaration of Conformity		8900 442 11006 F.01U.029.444		
Author: M. van Gool	1 sh	sh A41	- 1	
EH	© Robert Bosch GmbH	check:	date: 02-03-2006	A4