

دولة الامارات العربية المتحدة وزارة الداخلية القيادة العامة للدفاع المدني لجنة اعتماد المختبرات العالمية وبيوت الخبرة ومعاهد التدريب

Date: 16 January 2018

CERTIFICATE OF COMPLIANCE

This certificate of compliance validates the following				
TEST REPORT NUMBER 'Assessment Reports' are not acceptable	TE298770 P106286-1001 P108134-1001	CERTIFICATE NUMBER	1054b-(cl-2)	
DATE OF ISSUE	29 October 2015 4 July 2017 7 September 2017	DATE OF ISSUE	16 January 2018	
DATE OF EXPIRY	N/A	DATE OF EXPIRY	N/A	
	Manufac	turer details		
NAME OF FACTORY/ MANUFACTURER	EVI Audio GmbH	NAME OF THE BRAND	Bosch	
FACTORY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	EVI Audio GmbH Sachsenring 60 D-94315 Straubing Germany	MODEL / NO	Control and indicating equipment Bosch / PAVIRO VACIE	
WEBSITE	www.boschsecurity.com	LOGO ON THE PRODUCT	(iii) BOSCH	
RE GLOBAL LTD	+31(40)257-7174	EMAIL	nl.Securitysystems@bosch.com	

WATFORD WD25 9XX



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	Product Details From Test Report	Reference Test Report page NO
	Voice Alarm Control and Indicating Equipment	
	Incorporating the following modules: PVA-4CR12 PAVIRO Controller PVA-4R24 PAVIRO Router PLN-24CH12 Power Supply Module LT-802GBTME Network Switch	
	Certified with the following options with requirements from EN54-16: 7.3 Audible Warning 7.5 Phase evacuation 7.6.2 Manual silencing of the voice alarm condition 7.7.2 Manual reset of the voice alarm condition 7.9 Voice alarm condition output 8.3 Indication of faults related to the transmission path to the CIE 8.4 Indication of faults related to voice alarm zones 10 Voice alarm manual control 12 Emergency microphone(s) 13.14 Redundant power amplifier	
DESCRIPTION OF THE PRODUCT (TECHNICAL DETAILS FROM TEST REPORT, SUCH AS ACTUAL FIRE RATINGS/DIMENSIONS/THICKNESS/SENSITIVITY ETC)	Notes: 1. The VACIE is approved when connected to PLN-1EOL or PVA-1WEOL end of line board or with activated impedance measurement. 2. The VACIE speaker lines are monitored by use of end line modules namely PLN-1EOL end of line board, PVA-1WEOL addressable end of line board or impedance measurement. 3. The PVA-15CST call station requires the PVA-1KS and PVA-1EB in order to meet option with requirement clause 10 and 12 of EN 54-16. 4. The PVA-20CSE is approved when connected with PVA-15CST call station 5. The following IP30 cabinets have been approved for use with PAVIRO: - Rittal TS8 based rack, with a lockable glass door, side panels, temperature controlled top fans and having a fixed frame with a maximum height of 42 HU (i.e. TS-IT series) or a lockable swing frame	
BRE GLOBAL LTD BUCKNALLS LANE VATFORD WD25 9XX J.K.	with a maximum height of 40 HU (i.e. TS-series). - Schroff (20130073 PRAESIDEO) - Diamond 19 Inch Cabinet (Manufacturer: E.Lan) - Knuerr Miracel 2 (Manufacturer: Knürr GmbH) 6. The following SFP Modules have been approved for use with PAVIRO when connected to the network switch LT-802GBTME: - AC-SFP-LX-E-10 Single mode 1310nm SFP Module - AC-SFP-SX-E Multi-mode 850nm SFP Module	



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	7. This certificate is valid only when the installation has been performed					
		in accordance with the "EN54-16 Installer checklist".				
TEST STANDARD		EN 54-4:1997 + A1:2002 + A2:2006				
(SUCH AS ASTM/BS EN/ DN ETC)	EN 54-16:2008 The object of this evaluation was to assess the performance of the Bosch					TE298770
				5		Page 5
TEST DESCRIPTION		voice alarm control and in				Page 5
	with the requirements of Loss Prevention Certification Board (LPCB) test schedule E123299/1.42.					
	Scriedu	Equipm		Team Team In 1918		TE298770
	L	Equipii	ient			Page 6
	Qty	Description	Submission	Receipt da	ate	
	Q.,	ri namentari na inata di dasi				
		PAVIRO VACIE		22/12/22		*
	1	(Specimen 1)	1	29/10/20	14	
e e		(-p				
		Bosch S5 Silver Plus 12V		20/40/20	4.5	ı
	2	74 Ah battery	1	29/10/20	15	
		. ,				
*						
s s	l				Jr.	
			quipment			
						1
	041	Description		Submission	Receipt	
	Qty	Description		Subillission	date	P106286-
						100286-
2	1	PAVIRO VACIE (Cabinet	: B)	1	16/12/2016	Page 5
	$ \downarrow \downarrow$	PVA-15CST call station (15 zone)		1	16/12/2016	, age s
SPECIFICATION OF TEST	1	PVA-15CST Call Station	(15 ZONE)	1	10/12/2010	7.4
SPECIMEN		PVA-20CST call station	extension			
	1	(20 zone)		1 1	16/12/2016	
* * *	11	(20 20110)				
1		Bosch S5 Silver Plus 12	V 74 Ah			
	2	battery		1	16/12/2016	
- ,		, Datter y				
						1
,						1
			quipment	The advantage of the	or as result 0. 4	
	Qty	Description	S	ubmission	Receipt date	
	, pank	A CONTRACTOR OF THE STATE OF	- P. P.		randard Timber	
	1	PAVIRO VACIE (Cabine	et B)	1	21/07/2017	
,		DVA 15CCT cell station	. /15			1
1/11/	1	PVA-15CST call station	1 (12	1	21/07/2017	
BRE GLOBAL TO		zone)		15		
BUCKNALLS LANE WATFORD WD25 9XX		PVA-20CST call station	,		*	11
J.K.	1		'	1	21/07/2017	
		extension (20 zone)		e e e e e e e e e e e e e e e e e e e		
						J

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		La 1 65 611 BL 401/74			
	2	Bosch S5 Silver Plus 12V 74	1	21/07/2017	
		Ah battery			P108134-
					1001
					Page 5
	The PAV	IRO VACIE was tested to EN 54-1	.6 where the ou	tput to	TE298770
		aker was rated at 70/100Vrms lin			Page 6
		akers with compatible electrical			
4		ed to the VACIE. The manufactur			
		rent loudspeakers that can be co	nnected, see pa	age 5 list of	
		ole loudspeakers.	0.1 ct		
		em should be installed in accorda			
	installati	on instruction and apply the nat	onal code of pra	actice.	
	TF29877	O Page 6			
TEST RESULT		ch Security Systems B.V. PAVIRO	met the require	ments of EN 54-	
(SUCH AS PASSED CRITERIA/	16:2008	¹ as specified in LPCB test schedu	le E123299/1.4 ²	on the twenty-	
COMPLIED TO/ DURATION/OBSERVATION/ETC)	second s	submission.			
			x		P106286-
	The Bos	The Bosch Security Systems B.V. PAVIRO met the requirements of EN 54- $16:2008^{1}$ as specified in BRE test schedule P106286/1.0 ² on submission 9.			1001
,	16:2008	as specified in BRE test schedul	e P106286/1.0°	on submission 9.	Page 45
	The Bos	ch Security Systems B.V. PAVIRO	met the require	ements of	
,		clauses from EN 54-16:2008 ² , EN			9
	4:1995 ⁶ -	+A1:1998+A2:2003 and EN 50130	0-4:2011 ⁷ +A1:2		P108134-
	accorda	nce with BRE test schedule P108	134/1.3¹ on sub	mission 3.	1001
*					Page 23
PRODUCT APPLICATION					
GUIDELINE	Product	Manual F01U306896			
(END USE)	110000				
(CLEARLY STATE THE END USE WITH					
SPECIFIC APPLICATION, SUCH AS EXACT FIRE RATING/TO BE INSTALLED					
IN/TO BE INSTALLED AT/TO BE CONNECTED WITH/TO BE					1
INSTALLED WITH ETC ALONG WITH ANY WARNINGS SUCH AS NOT TO BE					
USED IN/NOT TO BE INSTALLED					
AT/ NOT TO BE INSTALLED WITHETC.					

Addendum to product manual F01U306900:

The PAVIRO VACIE was tested to EN 54-16 where the output to loudspeaker was rated at 70/100Vrms line, in which case only Loudspeakers with compatible electrical rating of 70/100Vrms may be connected to the VACIE. The manufacturer's installation instruction lists the different loudspeakers that can be connected. The system should be installed in accordance with the manufacturer's installation instruction and apply the national code of practice

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Туре	Description
Column loudspeakers	
LA1-UM20E-1	Column loudspeaker, 20W
LA1-UM40E-1	Column loudspeaker, 40W
Cabinet loudspeakers	
LB1-UM06E-1	Cabinet loudspeaker, metal, circular
LB1-UM20E-L	Cabinet loudspeaker, 20W, white
LB1-UM20E-D	Cabinet loudspeaker, 20W, black
LB1-UM50E-L	Cabinet loudspeaker, 50W, white
LB1-UM50E-D	Cabinet loudspeaker, 50W, black
LB3-PC250	Cabinet loudspeaker, 250W, 12"
LB3-PC350	Cabinet loudspeaker, 350W, 15"
LBC3018/01	Cabinet loudspeaker, metal, rectangular
Line array loudspeakers	Vertical and the Company of the Comp
LBC3200/00	Line array loudspeaker, 30W
LBC3201/00	Line array loudspeaker, 60W
LBC3210/00	Line array loudspeaker, 60W, outdoor
Ceiling loudspeakers	Ellie diray leadapadirat, adri, adrida
LBC3086/41	Ceiling loudspeaker 6W metal clamp mount
LBC3081/02	Metal fire dome for LBC3086/41
LBC3087/41	Ceiling loudspeaker, 6W, screw mount
LBC3080/01	Metal fire dome
LC1-WC06E8	Ceiling loudspeaker, 6W, ABS
LC1-WC06E8 accessories	Enclosure type LC1-MFD, LC1-CSMB (+LC1-MSK), LC1-CMR+
EC 1-W COOLO accessories	LC1-CBB
LC1-WM06E8	Ceiling loudspeaker, 6W, metal, 4"
LC1-WM06E8 accessories	Enclosure type LC1-MFD, LC1-CSMB (+LC1-MSK), LC1-CMR+
EC 1-VV MIDDEO accessories	LC1-CBB
LC1-UM06E8	Ceiling loudspeaker, 6W, metal
LC1-UM06E8 accessories	Enclosure type LC1-MFD, LC1-CSMB (+LC1-MSK), LC1-CMR+LC1-
LC 1-OMUGEO accessories	CBB
LC1-UM12E8	Ceiling loudspeaker, 12W, coaxial
LC1-UM12E8 accessories	Enclosure type LC1-MFD, LC1-CSMB (+LC1-MSK), LC1-CMR+LC1-
EC 1-OM 12EO accessories	CBB
LC1-UM24E8	Ceiling loudspeaker, 24W, coaxial
LC1-UM24E8 accessories	Enclosure type LC1-MFD, LC1-CSMB (+LC1-MSK), LC1-CMR+LC1-
20 1-0112420 0000301103	CBB
LC3-UC06E with LC3-CBB	Ceiling loudspeaker, 6W, spring arms with Back box for LC3 speaker
LC4-UC06E	Ceiling loudspeaker, 6W, wide angle
LC4-UC12E	Ceiling loudspeaker, 12W, wide angle
LC4-UC24E	Ceiling loudspeaker, 24W, wide angle
LC5-WC06E4	Ceiling loudspeaker, 6W, ABS, 2"
LC5-CBB	Back box for LC5 speaker
LC20-PC60G6-8E	Premium sound 60 W 8" ceiling lsp (2pcs)
LC20-PC60G6-6E	Premium sound 60 W 6"ceiling lsp (2 pcs)
Hom loudspeakers	Tremain sound of the demang top (2 pee)
LH1-UC30E	Horn loudspeaker, 30W, music
LH1-10M10E LH2-UC15E	Horn loudspeaker, 10W, 7x8" Horn loudspeaker, 15W, marine
LBC3482/00	Horn loudspeaker, 15W, marine Horn loudspeaker, 25W
LBC3482/00 LBC3483/00	Horn loudspeaker, 25W Horn loudspeaker, 35W
	Horn loudspeaker, 3344
Sound projectors	Sound projector 12W metal bi-directional
LBC3430/03	Sound projector 12vv metal bi-directional Sound projector 20W metal unidirectional
LBC3432/03	
LC4-CBB	Back box for LC4 speaker
LC4-MFD	Metal fire dome for LC4 speaker
LP1-BC10E-1	Sound projector, 10W, bi-directional
LP1-UC10E-1	Sound projector, 10W, uni-directional
LP1-UC20E-1	Sound projector, 20W, uni-directional
LS1-UC20E-1 LS1-OC100E-1	Pendant sphere loudspeaker, 20W Hemi-directional loudspeaker, 100W



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Laboratory and Certification body details					
NAME OF CERTIFICATION BODY	BRE Global Ltd.	NAME OF TEST FACILITY	BRE Global Ltd.		
CERTIFICATION BODY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	Bucknalls Lane Garston Watford WD25 9XX United Kingdom	TEST FACILITY ADDRESS / REGION (STREET / TOWN / CITY / COUNTRY)	Bucknalls Lane Garston Watford WD25 9XX United Kingdom		
WEBSITE	www.breglobal.com	WEBSITE	www.breglobal.com		
TEL	+44 (0)333 321 88 11	TEL	+44 (0)333 321 88 11		
EMAIL	BREGlobalEnquiries@bre.co.uk	EMAIL	BREGlobalEnquiries@bre.co.uk		
ACCREDITED BY (NAME OF ACCREDITATION BODY WHICH ISSUED ACCREDITATION TO THE CERTIFICATION BODY, ALONG WITH WEBSITE)	UKAS www.ukas.com	ACCREDITED BY (NAME OF ACCREDITATION BODY WHICH ISSUED ACCREDITATION TO THE LABORATORY, ALONG WITH WEBSITE)	UKAS www.ukas.com		
AS PER (STANDARD TO WHICH THE CERTIFICATION BODY IS ACCREDITED TO)	EN45011: 1998 / ISO 17065: 2012	AS PER (STANDARD TO WHICH YOUR ORGANIZATION IS ACCREDITED TO)	ISO 17025: 2005		
VALIDITY (EXPIRY DATE OF CERTIFICATION BODY ACCREDITATION)	N/A	VALIDITY (EXPIRY DATE OF LABORATORY ACCREDITATION)	N/A		
REFERENCE NUMBER: (CERTIFICATION BODY ACCREDITATION REFERENCE NUMBER TO VERIFY ON THE ACCREDITOR'S WEBSITE)	0007	REFERENCE NUMBER: (THE LABORATORY ACCREDITATION REFERENCE NUMBER TO VERIFY ON THE ACCREDITOR'S WEBSITE)	0578		
CERTIFICATION MARK	LPCB ON CERTIFICATION OF STREET		10541-(112)		
	1054b/02	LITD	1054b-(cl-2)		

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(ENDORSEMENT) TO BE SIGNED BY MANUFACTURER				
NAME OF MANUFACTURER'S SIGNATORY	Peter Hein, Plant manager Straubing, Germany	SIGNATURE	Mei	
EMAIL / TEL	nl.Securitysystems@bosch.com +31(40)257-7174	FACTORY OFFICIAL SEAL	EVI Audio GmbH Sachsenring 60 D-94315 Straubing Germany	
NOTES: I Undertake that all data and information provided are genuine and accurate				

(ENDORSEMENT) TO BE SIGNED BY CERTIFICATION BODY					
NAME OF CERTIFICATION BODY SIGNATORY	BRE Global Ltd. E Mattie-Suleiman	SIGNATURE	BRE GLOBALLTD BUCKNALLS LANE		
EMAIL / TEL	BREGlobalEnquiries@bre.co.uk +44 (0)333 321 88 11	CERTIFICATION BODY OFFICIAL SEAL	WATFORD WD25-9XX U.K.		
NOTES: I Undertake that all data and information provided are genuine and accurate 1054b-(cl-1) 1054b/02					

ATTACHMENTS:

• COPY OF 'CERTIFICATE OF COMPLIANCE' ISSUED BY CERTIFICATION BODY (OLD OR NEW)