



Date: April 28, 2017

CERTIFICATE OF COMPLIANCE

This certificate of compliance validates the following			
TEST REPORT NUMBER	2010/BA/16	CERTIFICATE NUMBER	DC – UAE – 0066
DATE OF ISSUE	February 28, 2017	DATE OF ISSUE	April 28, 2017
DATE OF EXPIRY	Not applicable	DATE OF EXPIRY	April 10, 2027
Manufacturer details			
NAME OF FACTORY / MANUFACTURER	P.P.H.U. AWEX Rafał Stanuch	NAME OF THE BRAND	P.P.H.U. AWEX Rafał Stanuch
FACTORY ADDRESS / REGION	Masłomiąca, ul. Długa 39 32-091 Michałowice Republic of Poland	MODEL / NO	FAS
WEBSITE	www.awex.eu	LOGO ON THE PRODUCT	
TELEPHONE	0048 12 681 55 00	EMAIL	firesystem@awex.eu








Product Details From Test Report		Reference Test Report Page No.		
DESCRIPTION OF THE PRODUCT	Control and indicating equipment with power supply equipment type FAS (Detailed specification below)	3		
TESTS STANDARD	EN 54-2:1997 + AC:1999 + A1:2006 Fire detection and fire alarm systems - Part 2: Control and indicating equipment EN 54-4:1997 + AC:1999 + A1:2002 + A2:2006 Fire detection and fire alarm systems - Part 4: Power supply equipment	7		
TESTS DESCRIPTION	Requirements, test methods and performance criteria for loudspeakers intended to broadcast a warning of fire between a fire detection and fire alarm system and the occupants of a building.	7-8		
SPECIFICATION OF TEST SPECIMEN	Type:	FAS	3-4	
	Version of CIE:	addressable		
	IP protection:	IP30		
	Operating temperature:	-5 °C + +40 °C		
	Dimensions (Length x Width x Height):	570 x 358 x 165 mm or 794 x 358 x 165 mm (with additional battery housing)		
	Software version:	V1.00.00		
	Main supply: supply voltage:	200 + 240 V AC, 50Hz		
	Maximum current consumption:	1,7 A		
	Internal working voltage:	29,5 V DC		
	Power supply: battery type:	lead-acid 2x12 + 4x12 V DC		
	Maximum battery capacity:	52 Ah		
	Battery charge voltage:	27 + 28,2 V DC		
	Maximal internal resistance of the battery:	---		
	Detector lines: type of detector lines:	loop, open		
	Number of detector lines:	1 + 7 pieces of loop, 2 + 14 pieces of open		
	Maximum number of elements in the detector line:	250 pieces		
	Voltage of the detector line:	21 + 30 V DC		
	Maximum current in stand-by mode:	200 mA		
	Monitored signal lines:	2 pieces		
	Inputs:	2 + 8 pieces (supervised)		
	Outputs:	3 + 9 pieces (potential-free output)		
	Type of power supply:	electric		
	Output operating current I _{max a} :	2,5 A		
	Output operating current I _{max b} :	5 A		
	Output circuits: range of output voltage:	21 + 30 V DC		
	Main supply			
	Main supply: supply voltage:	200 + 240 V AC 50Hz		
	Input circuits: number of inputs:	1		
	Reserve supply			
	Maximum current of battery charging:	---		
Maximal internal resistance of the battery and elements connected to the battery circuit:	0,5 Ω			
Battery charge voltage in floating mode:	27 + 28,2 V DC			
Temperature compensation in floating mode:	yes			
The following internal modules are approved for use: Control module with integrated power supply CM, user panel, extension board PR3, detection panel card KPD 2, input/output card KIO 22, communication card KRS 422, printer.				
TESTS RESULTS	EN 54-2	General requirements	PASS	10-31, 41-42
	EN 54-2	General requirements for indications	PASS	
	EN 54-2	The fire alarm condition	PASS	
	EN 54-2	Reception and processing of fire signals	PASS	
	EN 54-2	Output of the fire alarm condition	PASS	
	EN 54-2	Delay to outputs	PASS	
	EN 54-2	Dependencies on more than one alarm signal	PASS	
	EN 54-2	General requirements	PASS	
	EN 54-2	General requirements for indications	PASS	
	EN 54-2	The quiescent condition	PASS	
	EN 54-2	The fire alarm condition	PASS	
	EN 54-2	Fault warning condition	PASS	
	EN 54-2	Disabled condition	PASS	
	EN 54-2	Test condition	PASS	
	EN 54-2	Standardized input/output interface	PASS	
	EN 54-2	Design requirements	PASS	
	EN 54-2	Additional design requirements for software controlled control and indicating equipments	PASS	
	EN 54-2	Marking	PASS	
	EN 54-2 - EN 60068-2-1	Cold (operational)	PASS	
	EN 54-2 - EN 60068-2-75	Impact (operational)	PASS	
EN 54-2 - EN 60068-2-6	Vibration, sinusoidal (operational)	PASS		
EN 54-2 - EN 60068-2-6	Vibration, sinusoidal (endurance)	PASS		



Laboratory and Certification Body Details

NAME OF CERTIFICATION BODY	CNBOP-PIB Centrum Naukowo-Badawcze Ochrony Przeciwpożarowej Państwowy Instytut Badawczy	NAME OF TEST FACILITY	CNBOP-PIB Zespół Laboratoriów Sygnalizacji Alarmu Pożaru i Automatyki Pożarniczej
CERTIFICATION BODY ADDRESS / REGION	ul. Nadwiślańska 213 05-420 Józefów REPUBLIC OF POLAND	TEST FACILITY ADDRESS / REGION	ul. Nadwiślańska 213 05-420 Józefów REPUBLIC OF POLAND
WEBSITE	www.cnbop.pl	WEBSITE	www.cnbop.pl
TELEPHONE	0048 22 769 33 47	TELEPHONE	0048 22 769 32 26
EMAIL	jcw@cnbop.pl	EMAIL	ba@cnbop.pl
ACCREDITED BY	Polish Centre for Accreditation http://www.pca.gov.pl	ACCREDITED BY	Polish Centre for Accreditation http://www.pca.gov.pl
AS PER	EN ISO/IEC 17065 Requirements for bodies certifying products, processes and services	AS PER	EN ISO/IEC 17025 General requirements for the competence of testing and calibration laboratories
VALIDITY	October 3, 2018	VALIDITY	October 11, 2017
REFERENCE NUMBER	AC 063	REFERENCE NUMBER	AB 207
CERTIFICATION MARK	 CNBOP-PIB		
(ENDORSEMENT) TO BE SIGNED BY MANUFACTURER			
NAME AND SURNAME OF MANUFACTURERS SIGNATORY		SIGNATURE	
EMAIL / TELEPHONE		FACTORY OFFICIAL SEAL	
NOTES	I UNDERTAKE THAT ALL DATA AND INFORMATION PROVIDED ARE GENUINE AND ACCURATE.		
(ENDORSEMENT) TO BE CERTIFICATION BODY			
NAME AND SURNAME OF CERTIFICATION BODY SIGNATORY	bryg. dr hab. inż. Dariusz Wróblewski	SIGNATURE	
EMAIL / TELEPHONE	cnbop@cnbop.pl 0048 22 769 33 00	CERTIFICATION BODY OFFICIAL SEAL	
NOTES	I UNDERTAKE THAT ALL DATA AND INFORMATION PROVIDED ARE GENUINE AND ACCURATE.		

ATTACHEMENT:

COPY OF "CERTIFICATE OF CONFORMITY" NO. 1438 – CPR – 0520 ISSUED BY CERTIFICATION BODY