CENTRUM NAUKOWO-BADAWCZE
OCHRONY PRZECIWPOŻAROWEJ
im. Józefa Tuliszkowskiego
PAŃSTWOWY INSTYTUT BADAWCZY
05-420 Józefów k/Otwocka, ul. Nadwiślańska 213

CERTIFICATE OF ADMITTANCE
No. 2174/2014

Based on art. 7 paragraph 2 of the Act of 24 August 1991 on fire protection
(Journal of Laws of 2009 No. 178, item 1380, with subsequent amendments)
Centrum Naukowo-Badawcze Ochrony Przeciwpożarowej im. Józefa Tuliszkowskiego
Państwowy Instytut Badawczy at the request of:

PULSAR K. Bogusz Sp. j.
Siedlec 150
32-744 Łapczyca, Poland

states that product:	**Power supply equipment for fire detection, fire alarm systems, smoke and heat control systems type EN54-2A17, EN54-2A17LCD, EN54-3A17, EN54-3A17LCD, EN54-3A28, EN54-3A28LCD, EN54-5A17, EN54-5A17LCD, EN54-5A28, EN54-5A28LCD, EN54-5A40, EN54-5A40LCD, EN54-7A17, EN54-7A17LCD, EN54-7A28, EN54-7A28LCD, EN54-7A40, EN54-7A40LCD**
manufactured by:	**PULSAR K. Bogusz Sp.j.** **Siedlec 150** **32-744 Łapczyca, Poland**
in the manufacturing plant:	**PULSAR K. Bogusz Sp.j.** **Siedlec 150** **32-744 Łapczyca, Poland**
meets the requirements of:	**point 12.2 of annex to the Regulation of the Minister of the Interior and Administration of 20 June 2007 on the list of products used for ensuring public safety or protecting health, life and property, and the principles of issuing admittance to use these products (Journal of Laws No. 143, item 1002), introduced by the amending Regulation dated 27 April 2010 (Journal of Laws No. 85, item 553).**

Documentation:
1. Application for the product admittance process number 2792/2014 dated 10.02.2014.
2. Test report No. 652/BA/14 dated 25.06.2014 prepared by Zespół Laboratoriów Sygnalizacji Alarmu Pożaru i Automatyki Pożarniczej BA CNBOP-PIB.

The certificate of admittance is valid under the condition that the applicant fulfils the requirements defined in agreement No. 2174/DC/CNBOP-PIB/2014.

Validity period of the certificate of admittance: from **30.07.2014** until **29.07.2019**

ACTING DIRECTOR OF CNBOP-PIB

bryg. dr inż. Jacek Zboina

Józefów, 28 August 2014

Replaces certificate of admittance No. 2174/2014 of 30.07.2014

DC/D-21/03.10.2011

This document was originally translated from Polish to English on 28 August 2014. In case of conflict between the Polish Certificate of Admittance and this translation, the Polish document shall be binding.

CENTRUM NAUKOWO-BADAWCZE
OCHRONY PRZECIWPOŻAROWEJ
im. Józefa Tuliszkowskiego
PAŃSTWOWY INSTYTUT BADAWCZY
05-420 Józefów k/Otwocka, ul. Nadwiślańska 213

CERTIFICATE OF ADMITTANCE
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TECHNICAL DATA IDENTIFYING THE PRODUCT

Power supply equipment for fire detection, fire alarm systems, smoke and heat control systems type EN54-2A17, EN54-2A17LCD, EN54-3A17, EN54-3A17LCD, EN54-3A28, EN54-3A28LCD, EN54-5A17, EN54-5A17LCD, EN54-5A28, EN54-5A28LCD, EN54-5A40, EN54-5A40LCD, EN54-7A17, EN54-7A17LCD, EN54-7A28, EN54-7A28LCD, EN54-7A40, EN54-7A40LCD

Type:	EN54-2A17, EN54-2A17LCD, EN54-3A17, EN54-3A17LCD, EN54-3A28, EN54-3A28LCD, EN54-5A17, EN54-5A17LCD, EN54-5A28, EN54-5A28LCD, EN54-5A40, EN54-5A40LCD, EN54-7A17, EN54-7A17LCD, EN54-7A28, EN54-7A28LCD, EN54-7A40, EN54-7A40LCD
Additional modules:	Optional INTE, INTR, INTRE, INTRW, INTUR, INTU, INTW, EN54-LB4, EN54-LB8
Operating temperature:	-5 ^{0}C ÷ +75 ^{0}C
IP protection:	IP42
Dimensions (Length x Width x Height):	425 x 420 x 182 mm, 420 x 420 x 102 mm
Main supply – supply voltage:	230 V AC -15% +10%
Maximum current consumption:	EN54-2A17 – 0,5 A, EN54-2A17LCD – 0,5 A, EN54-3A17 – 0,7 A, EN54-3A17LCD – 0,7 A, EN54-3A28 – 0,7 A, EN54-3A28LCD – 0,7 A, EN54-5A17 – 1,15 A, EN54-5A17LCD – 1,15 A, EN54-5A28 – 1,15 A, EN54-5A28LCD – 1,15 A, EN54-5A40 – 1,15 A, EN54-5A40LCD – 1,15 A, EN54-7A17 – 1,6 A, EN54-7A17LCD – 1,6 A, EN54-7A28 – 1,6 A, EN54-7A28LCD – 1,6 A, EN54-7A40 – 1,6 A, EN54-7A40LCD – 1,6 A
Power Supply – Battery type:	2 x 12 V Lead-acid technology made in AGM or gel technology
Maximum battery capacity:	EN54-2A17 – 18 Ah, EN54-2A17LCD – 18 Ah, EN54-3A17 – 18 Ah, EN54-3A17LCD – 18 Ah, EN54-3A28 – 28 Ah, EN54-3A28LCD – 28 Ah, EN54-5A17 – 18 Ah, EN54-5A17LCD – 18 Ah, EN54-5A28 - 28 Ah, EN54-5A28LCD – 28 Ah, EN54-5A40 – 42 Ah, EN54-5A40LCD – 42 Ah, EN54-7A17 – 18 Ah, EN54-7A17LCD – 18 Ah, EN54-7A28 – 28 Ah, EN54-7A28LCD – 28 Ah, EN54-7A40 – 42 Ah, EN54-7A40LCD – 42 Ah
Battery charge voltage in floating mode:	27,6 V DC
Temperature compensation in floating mode:	Yes
Maximum current of battery charging:	EN54-2A17 – 1 A, EN54-2A17LCD – 1 A, EN54-3A17 – 1 A, EN54-3A17LCD – 1 A, EN54-3A28 – 1,5 A, EN54-3A28LCD – 1,5 A, EN54-5A17 – 1 A, EN54-5A17LCD – 1 A, EN54-5A28 – 1,5 A, EN54-5A28LCD – 1,5 A, EN54-5A40 – 2 A, EN54-5A40LCD – 2 A, EN54-7A17 – 1 A, EN54-7A17LCD – 1 A, EN54-7A28 – 1,5 A, EN54-7A28LCD – 1,5 A, EN54-7A40 – 2 A, EN54-7A40LCD – 2 A
Output circuits – range of output voltage:	22,0 V ÷ 27,6 V DC – floating mode 20,0 V÷ 27,6 V DC – operation from battery
Output circuits: number of outputs:	2
Maximal internal resistance of the battery and elements connected to the battery circuit:	300 mΩ
Dry contact outputs, [pcs] (contact workload [A] / [V]):	4 (50mA/30V DC)
Recommended types of cables: *mains supply* input / output lines signal lines additional signal lines	 OMY 3 x 0,75 ÷ 1,5 mm ^{2} HLGs 2 x 1,5 ÷ 2,5 mm ^{2} YnTKSY 1 x 2 x 0,8 mm ^{2} FTP 4 x 2 x 0,5 category 5e
Functional class:	A
Environmental class:	2

ADDITIONAL TERMS:

According to § 17 of the Regulation of the Minister of the Interior and Administration of 20 June 2007 on the list of products used for ensuring public safety or protecting health, life and property, and the principles of issuing admittance to use these products (Journal of Laws No. 143, item 1002, with later amendments) a product should be marked with the marking of the admittance body and also the number of the certificate of admittance.

ACTING DIRECTOR OF CNBOP-PIB

bryg. dr inż. Jacek Zboina

Józefów: 28 August 2014

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