



CERTIFICATE OF CONSTANCY OF PERFORMANCE

1720-CPR-0261

In compliance with Statutory Instruments 2019 No.465 of the United Kingdom Houses of Parliament 5th March 2019 (The Construction Products (Amendment etc.) (EU Exit) Regulations 2019), this certificate applies to the construction product:

MZAOV Smoke Vent Control Power Supply

Power Supply in Smoke and Heat Control Systems type MZAOV

In three varieties:

- MZAOV-1001 (3A PSU)
- MZAOV-1002 (5A PSU)
- MZAOV 1003 (10A PSU)

Test Report Refs: 267/BA/20 - MZAOV CNBOP 11/09/2020

Product description, intended use, Performances see following pages of this certificate

MZAOV SVCP PSUs are produced by

**Haes Technologies Ltd,
Unit 3, Horton Industrial Park,
West Drayton, UB7 8JD, UK
In the manufacturing plant: Identified above**

This certificate attests that all provisions concerning the assessment and verification of constancy of performance and the performances described in Annex ZA of the standard:

BS EN 12101-10: 2005+AC 2007

This certificate attests that all provisions concerning the assessment and verification of constancy of performance and the performances described in Annexes ZA.1 of the standard: **BS EN 12101-10:2005 – Part 10 Power Supplies; EN12101-10:2005/AC:2007**, under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the HAES Technologies Ltd MZAOV SVCP PSU's 1001; 1002 & 1003 are compliant as follows:

Essential Characteristics	Requirement Clauses in This European Standard	Levels and or Classes	Notes
Operational Reliability	6 and 7	-	--
Performance Parameters Under Fire Conditions	4.1 and 5.2.1	-	-
Response Time	4.1; 5.2.1; 6.2.2 and 6.3.1	-	-

This certificate was first issued on 02 September 2022 and will remain valid as long as neither the designated standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are not modified significantly unless suspended or withdrawn by the approved product certification body.



Aylesbury, UK

Ian Woodhouse
Director of Certification

IFC Certification Ltd
UK Approved Body No. 1720

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Registered No: 4777898 England
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Name of Construction Product	Power Supply in smoke heat control systems type MZAOV in the varieties: MZAOV-1001; MZAOV-1002 and MZAOV-1003
Declared Performance	Fire Safety
European Harmonised Standard	EN 12101-10:2005+AC:2007 Smoke Heat Control Systems – Part 10 Power Supplies

Product Description

BASIC DATA			
Product Type	MAZOV		
Varieties	MZAOV-1001	MZAOV-1002	MZAOV-1003
Type of Power	Electric		
Operating Temperature [°C]	-5 ±40		
IP Protection	IP30		
Enclosure Type	MZAOV-S	MZAOV-L	
Enclosure Dimensions (Length x Width x Height) mm	382.0x109.4x354.1	473.6x108.2x500.1	
Functional Class according to EN 12101-10: 2005 + AC7: 2007	A		
Environmental Class according to EN 12101-10: 2005 + AC7: 2007	1		
Output operating current I_{max a} [A]	0.120	0.145	0.500
Output operating current I_{max b} [A]	2	4	8
Output circuits: Range of output voltage [V AC]	230 (-15 +10%)		
Main Supply			
Main Supply: Supply Voltage [V AC]	230 (-15 +10%)		
Input Circuits: Number of Inputs	1		
Maximum Current Consumption [A]	1		
Reserve Supply			
Power Supply: Battery Type	2 x 12V DC Lead Acid		
Maximum Current of Battery Charging [A]	1.2		
Maximal internal resistance of the battery and elements connected to the battery circuit [Ω]	0.8		
Maximum Battery Capacity [Ah]	17.2		
Battery charge voltage in floating mode [V]	27.3		
Temperature compensation in floating mode	Yes		

Components of the Power Supply:

- MZAOV, Housing (MZAOV-S or MZAOV-L)
- MZAOV, PSU Main Board, PCB (TCPA027)
- MZAOV, Display Card, TPC (TCPA017-MZ)
- MZAOV, Zone Extension, PCB (TPCA028)
- MZAOV, Single Zone Extension, PCB (TPCA028-1Z)
- Battery (YUASA - NP17-12)

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