

## DECLARAÇÃO DE DESEMPENHO / DECLARATION OF PERFORMANCE

De acordo com o regulamento da UE Produtos de Construção n.º 305/2011  
*According to Construction Products Regulation EU No. 305/2011*

**NÚMERO / NUMBER: 492**

1. Código de identificação único do produto-tipo / *Unique Product identification code:*

**Sistema de Detecção e Alarme de Incêndio: Detetor de Fumo e Térmico com Isolador**  
***Fire Detection and Fire Alarm Systems: Smoke & Heat Detector with Isolator***

**ZEOS AD**

2. Número do tipo, do lote ou da série, ou quaisquer outros elementos que permitam a identificação do produto de construção, nos termos do n.º 4 do artigo 11.º / *Type, batch, serial number or any other element allowing identification of the construction product as required by nr.4, Article 11:*

**ZEOS-AD-SHI**

3. Utilização ou utilizações previstas do produto de construção, de acordo com a especificação técnica harmonizada aplicável, tal como previsto pelo fabricante / *Intended use or uses for the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:*

**Sistemas automáticos de deteção de incêndios em edifícios / Fire detection and fire alarm systems installed in and around buildings**

4. Nome, designação comercial ou marca comercial registada e endereço de contacto do fabricante, nos termos do n.º5 do artigo 11.º / *Name, registered trade name or registered trade mark and contact address of the manufacturer as required by nr.5, Article 11:*

**GLOBAL FIRE EQUIPMENT S.A.**  
**Sítio da Barracha, Parque Industrial Municipal**  
**Caixa Postal 610-A, 8150-017 São Brás de Alportel, Portugal**  
**Tel: +351 289 896 560 Fax: +351 289 865 587**

5. Se aplicável, nome e endereço de contacto do representante autorizado cujo mandato abrange os actos especificados no n.º2 do artigo 12.º / *Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in nr. 2, Article 12:*

**Não aplicável / Not applicable**

6. Sistema ou sistemas de avaliação e verificação da regularidade do desempenho do produto de construção tal como previsto no anexo V / *System or systems of assessment and verification of performance consistency of the construction product as set out in Annex V:*

**Sistema de Conformidade 1 / Conformity System 1**

7. No caso de uma declaração de desempenho relativo a um produto de construção abrangido por uma norma Harmonizada / *In case of the declaration of performance concerning a construction product covered by the harmonized standard:*

**Certificado de conformidade CE / EC Certificate of Conformity:**  
**1328 – CPR – 0492**

**Emitido por / Issued by:**  
**CERTIF – Associação para a Certificação,**

**Organismo Notificado 1328 / Notified Body 1328**

8. No caso de uma declaração de desempenho relativa a um produto de construção para o qual tenha sido emitida uma Avaliação Técnica Europeia / *In case of the declaration of performance concerning a construction product for which an European Technical Assessment has been issued:*

**Não aplicável / Not applicable**

9. Desempenho declarado / *Declared performance:*

**Concebido e fabricado de acordo com / Designed and manufactured in accordance with:**

305/2011 – Regulamento Produtos de Construção (RPC) / *Construction Products Regulation (CPR)*  
 2014/30/EU - Directiva de Compatibilidade Electromagnética (DCE) / *Electromagnetic Compatibility Directive (EMC)*

**Normas de referência / Reference Standards:**

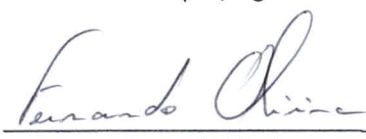
EN 54-7:2018; EN 54-5:2017+A1:2018 and EN 50130-4:2011 + A1:2014

<b>EN54-7 - Smoke detectors - Point smoke detectors that operate using scattered light, transmitted light, or ionization</b>	
<i>Características Essenciais / Essential Characteristics</i> <i>Tabela ZA.1 – Clausulas Relevantes / Table ZA.1 – Relevant Clauses</i>	<i>Resultado / Performance</i>
Operational reliability: 4.2.1 Individual alarm indication 4.2.2 Connection of ancillary devices 4.2.3 Monitoring of detachable detectors 4.2.4 Manufacturer's adjustments 4.2.5 On site adjustment of response behavior 4.2.6 Protection against the ingress of foreign bodies 4.2.7 Response to slowly developing fires. 4.2.8 software-controlled detector (when provided)	Pass Pass Pass Pass Pass Pass Pass Pass
Nominal activation conditions/Sensitivity: 4.3.1 Repeatability 4.3.2 Directional dependence 4.3.3 Reproducibility	Pass Pass Pass
Response delay (response time) 4.4.1 Air movement 4.4.2 Dazzling	Pass Pass
Tolerance to supply voltage 4.5 Variation in supply parameters.	Pass
Performance under fire conditions: 4.6 Fire sensitivity Durability of nominal activation conditions/Sensitivity: Temperature resistance: 4.7.1.1 Cold (operational) 4.7.1.2 Dry Heat (operational) Humidity resistance: 4.7.2.1 Damp heat, steady state (operational) 4.7.2.2 Damp heat, steady state (endurance) Corrosion resistance: 4.7.3 Sulfur dioxide (SO <sub>2</sub> ) corrosion (endurance) Vibration Resistance: 4.7.4.1 Shock 4.7.4.2 Impact 4.7.4.3 Vibration sinusoidal (operational) 4.7.4.4 Vibration sinusoidal (endurance) 4.7.5 Electrical stability EMC, immunity (operational)	Pass  Pass Pass  Pass Pass  Pass  Pass Pass Pass Pass Pass

<b>EN54-5 - Fire detection and fire alarm systems - Heat detectors - Point heat detectors</b>	
<i>Características Essenciais / Essential Characteristics Tabela ZA.1 – Clausulas Relevantes / Table ZA.1 – Relevant Clauses</i>	<i>Resultado / Performance</i>
4.2.1 Position of heat sensitive elements	≥ 15mm
4.2.2 Individual alarm indication	Alarm indicated by a red indicator.
4.2.3 Connection of ancillary devices	Pass
4.2.4 Monitoring of detachable detectors	Pass
4.2.5 Manufacturer's adjustments	at CIE at level 3 access
4.2.6 On-site adjustment of response behavior	Pass
4.2.7 Additional requirements for software-controlled detectors	Pass
4.3.1 Directional Dependence requirements	Response time at eight angles for category A1&A2
4.3.2 Static response temperature	For all rates of rise in A1&A2
4.3.3 Response times from typical application temperature	For all rates of rise in A1&A2
4.3.4 Response times from 25 °C	Response time < 7 min 13s at 3K/min and > 1 min 0s at 20K/min
4.3.5 Response times from high ambient temperature (Dry heat operational)	No false operation, Lower and Upper response time at 3K/min and 20K/min for each of the specified category.
4.3.6 Reproducibility	Pass
4.4.1 Additional test for suffix S point heat detectors	n/a
4.4.2 Additional test for suffix R point heat detectors	n/a
4.5.1 Variation in supply parameters	Pass
4.6.1.1 Cold (operational)	Pass
4.6.1.2 Dry heat (endurance)	Pass
4.6.2.1 Damp heat, cyclic (operational)	Pass
4.6.2.2 Damp heat, steady state (endurance)	Pass
4.6.3 Sulphur dioxide (SO2) corrosion (endurance)	Pass
4.6.4.1 Shock (operational)	Pass
4.6.4.2 Impact (operational)	Pass
4.6.4.3 Vibration, sinusoidal, (operational)	Pass
4.6.4.4 Vibration, sinusoidal (endurance)	Pass
4.6.5 Electromagnetic Compatibility (EMC), Immunity tests (operational)	No alarm or fault signal given during the conditioning period or post conditioning.
<b>EN54-17 - Fire detection and fire alarm systems – Short-Circuit Isolators</b>	
<i>Características Essenciais / Essential Characteristics Tabela ZA.1 – Clausulas Relevantes / Table ZA.1 – Relevant Clauses</i>	<i>Resultado / Performance</i>
5.2 Performance under fire conditions	Pass
4 Operational reliabilities	Pass
5.4 & 5.5 Durability of operational reliability: temperature resistance of detachable detectors	Pass
5.9 to 5.12 Durability of operational reliability; vibration resistance	Pass
5.6 & 5.7 Durability of operational reliability; humidity resistance	Pass
5.8 Durability of operational reliability; corrosion resistance	Pass
5.3 & 5.13 Durability of operational reliability; electrical stability	Pass

10. O desempenho do produto identificado nos pontos 1 e 2 é conforme com o desempenho declarado no ponto 9. A presente declaração de desempenho é emitida sob a exclusiva responsabilidade do fabricante identificado no ponto 4 / *The performance of the product identified in 1 and 2 is in conformity with the performance declared in 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in 4.*

Assinado por e em nome do fabricante por / Signed for and on behalf of the manufacturer by:

Assinatura/Signature:   
 Fernando Oliveira  
 Director



São Brás de Alportel, 2023-11-20