

## **DECLARATION OF PERFORMANCE**

In accordance with Construction Products Regulation EU No. 305/2011

**No: HAES-01252-ESEN-DoP Issue 2**

1. Unique Product identification code of the product type:  
**ESENTO Eclipse fire detection and fire alarm control panels**  
**ESENTO Excel-EN fire detection and fire alarm control panels**
2. Type, batch or serial number or any other element allowing identification of the construction product as required under article 11 (4) of the CPR:

<b>Part No. Reference</b>	<b>Equipment</b>
<b>ECL-2</b>	<b>Eclipse conventional 2 zone Fire detection control panel</b>
<b>ECL-4</b>	<b>Eclipse conventional 4 zone Fire detection control panel</b>
<b>XLEN-2</b>	<b>Excel-EN conventional 2 zone Fire detection control panel</b>
<b>XLEN-4</b>	<b>Excel-EN conventional 4 zone Fire detection control panel</b>
<b>XLEN-6</b>	<b>Excel-EN conventional 6 zone Fire detection control panel</b>
<b>XLEN-8</b>	<b>Excel-EN conventional 8 zone Fire detection control panel</b>
<b>XLEN-12</b>	<b>Excel-EN conventional 12 zone Fire detection control panel</b>
<b>ESWD-2/4</b>	<b>Water Detector Panel</b>

3. Intended use of the construction product:

**Fire safety - Control and indicating equipment for fire detection and fire alarm systems installed in buildings**

4. Name, registered trade name or registered trademark and contact address of the manufacturer:

**Haes Technologies Limited**  
**Unit 3, Horton Industrial Park,**  
**West Drayton, Uxbridge, Middlesex UB7 8JD**  
**United Kingdom**

5. Where applicable; name and contact address of the authorised representative whose mandate covers the tasks specified in article 12 (2): **Not applicable**
6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V: **System 1**

7. In the case of the Declaration of performance concerning a construction product covered by a harmonized standard: **EN 54-2:1997 + A1:2006, EN 54-4:1998 +A1:2002 +A2:2006 BRE Global Limited 2831**

Have performed type testing and the initial inspection of the manufacturing plant and of factory production control with continuous surveillance, assessment and approval of the factory production control under system 1 and issued following certificate of constancy of performance:

**2831-CPR-F0670 (ECL-X)**

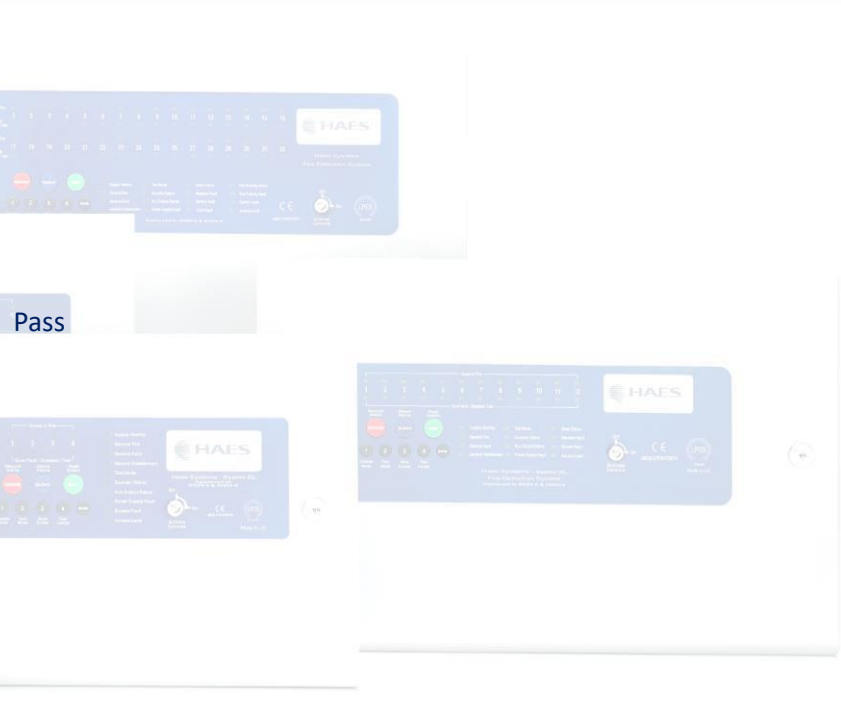
**2831-CPR-F0671 (XLEN-XX)**

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

**Not applicable, see item 7**

9. Declared performance:

Harmonized Technical Specification		EN 54-2:1997 + A1:2006	EN 54-4:1997 +A1 & A2
Essential characteristics	Performance	Clause	
Performance under fire conditions	Pass	Art.: 4, 5, 7	-
Response delay (response time to fire)	Pass	Art.: 7.1, 7.7, 7.11, 7.12	-
Operational reliability	Pass	Art.: 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14	Art.: 4, 5, 6, 7, 8

Durability of operational reliability: Temperature resistance		Art.: 15.4	Art.: 9.5
Durability of operational reliability: Vibration resistance	Pass	Art.: 15.6, 15.7, 15.15	Art.: 9.7, 9.8, 9.15
Durability of operational reliability: Electrical stability	Pass	Art.: 15.8 to 15.13	Art.: 9.9 to 9.13
Durability of operational reliability: Humidity resistance	Pass	Art.: 15.5, 15.14	Art.: 9.6, 9.14
Performance of power supply	Pass	-	Art.: 4, 5, 6
Optional functions (with requirements)	-	-	-
Output to fire alarm devices	Pass	Art.: 7.8	-
Outputs to Fire Alarm Routing Eqpt	pass	Art.: 7.9.1	-
Delays to Outputs	Pass	Art.: 7.11	-

Dependency on more than one alarm signal type A, B & C	Pass	Art.: 7.12.1, 7.12.2, 7.12.3	-
Test condition	Pass	Art.: 10	-

Where, pursuant to Article 37 or 38, the Specific Technical Documentation has been used, the requirements with which the product complies:

**N/A**

- The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

(Name and function)

Rashid Ahmed                      Operations Manager

(Place and date of issue)

West Drayton, UK              18<sup>th</sup> November 2019

Issue 2

*RASHID*

..... (Signature)

