

## DECLARATION OF PERFORMANCE

According to Construction Products Regulation EU N° 305/2011

N° 13-0001

1. *Unique Product identification code:*

**As detailed on the Supplementary Information Sheets A, B, C, D**

2. *Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):*

**Smoke Alarm Devices**

3. *Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:*

**Fire Safety**

4. *Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):*

**Ei Electronics,  
Shannon Free Zone West, Shannon, Co. Clare, Ireland**

5. *Where applicable, name and contact address of the authorized 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 case of the declaration of performance concerning a construction product covered by the harmonized standard:*

**The Notified Product Certification Body, 0086,  
(British Standard Institute)**

*performed type testing and the initial inspection of the manufacturing plant and of the factory production control with continuous surveillance assessment and approval of the factory production control under system 1 and issued the EC certificate of conformity:*

**0086-CPD-537430**

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:*

All requirements including all Essential Characteristics and the corresponding performances for the intended use or uses indicated in point 3 above have been determined as described in the hEN mentioned in the table below.

Essential characteristics	Performance	Harmonized technical specification EN14604:2005/AC:2008 Clauses
Nominal activation conditions / Sensitivity, Response delay (response time) and Performance under fire conditions	passed	4.12, 4.18, 5.2, 5.3, 5.4, 5.5, 5.6, 5.15, 5.17, 5.18, 5.19, 5.20 <sup>2</sup>
Operational reliability	passed	4.1, 4.2 <sup>1</sup> , 4.3, 4.4, 4.5, 4.6, 4.7, 4.8, 4.9, 4.10, 4.11, 4.13, 4.14, 4.15, 4.16, 4.17, 4.19, 5.11, 5.16, 5.22, 5.23, 5.24
Tolerance to supply voltage	passed	5.21
Durability of operational reliability and response delay: temperature resistance	passed	5.7, 5.8
Durability of operational reliability Vibration resistance	passed	5.12, 5.13
Durability of operational reliability, Humidity resistance	passed	5.9
Durability of operational reliability, Corrosion resistance	passed	5.10
Durability of operational reliability, electrical stability	passed	5.14

1. 42 (Optional Individual Alarm Indicator) applies to products listed in Supplementary Information Sheets A and B only

2. 520 (Optional Alarm Silence Facility) applies to products listed in Supplementary Information Sheets A and C only

10. 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:



19 February 2014

Dr. Michael Byrne  
Director of Engineering

## **Supplementary Information Sheet A (All Clauses)**

### ***MAINS POWERED SMOKE ALARMS CIRCULAR UNITS***

<b>Model</b>	<b>Reference Type</b>
Ei161RC	Easi-Fit Ionisation Smoke Alarm with Rechargeable Lithium Battery Back-up, Remote Test and Remote Alarm Silence Function
Ei141RC	Easi-Fit Ionisation Smoke Alarm with 9V Primary Battery Back-up, Remote Test and Alarm Silence Function
Ei146RC	Easi-Fit Photoelectric Smoke Alarm with 9V Primary Battery Back-Up & Remote Test & Hush Control Function
Ei166RC	Easi-Fit Photoelectric Smoke Alarm with Rechargeable Lithium Battery Back-up, Remote Test and Remote Alarm Silence Function
Ei2110	Photoelectric Smoke Alarm with Heat Enhancement, Interconnect Function, Alarm Silence Function and Rechargeable Battery Back-up

### ***MAINS POWERED SMOKE ALARMS RECTANGULAR UNITS***

<b>Model</b>	<b>Reference Type</b>
Ei151TL	Ionisation Smoke Alarm with Rechargeable Lithium Battery Back-up
Ei151TLR	Ionisation Smoke Alarm with Rechargeable Lithium Battery Back-up, Remote Test and Remote Alarm Silence Function
Ei156TLH	Photoelectric Smoke Alarm with Rechargeable Lithium Battery Back-up and Alarm Silence Function
Ei156TLR	Photoelectric Smoke Alarm with Rechargeable Lithium Battery Back-up Remote Test and Remote Silence Function

### ***BATTERY POWERED SMOKE ALARMS RECTANGULAR UNITS***

<b>Model</b>	<b>Reference Type</b>
Ei100TY	Ionisation Smoke Alarm with Long Life Lithium Battery and Alarm Silence Function
Ei100TYC	Ionisation Smoke Alarm with Interconnect, Long Life Lithium Battery and Alarm Silence Function
Ei105H	Photoelectric Smoke Alarm with Alarm Silence Function
Ei2105H	Photoelectric Smoke Alarm with Alarm Silencer Function
Ei3105TYH	Photoelectric Smoke Alarm with Long Life Lithium Battery and Alarm Silence Function
Ei3105TYCH	Photoelectric Smoke Alarm with Interconnect, Long Life Lithium Battery and Alarm Silence Function
Ei3105H	Photoelectric Smoke Alarm with Alarm Silence Function
Ei3105RF	Radio Linked Photoelectric Smoke Alarm

### ***LOW POWER SMOKE ALARMS CIRCULAR UNITS***

<b>Model</b>	<b>Reference Type</b>
Ei180	10 to 30VDC Easy Fit Ionisation Smoke Alarm
Ei181	10 to 30VDC Easy Fit Ionisation Smoke Alarm with Battery Back-up
Ei185	10 to 30VDC Easy Fit Photoelectric Smoke Alarm
Ei186	10 to 30VDC Easy Fit Photoelectric Smoke Alarm with Battery Back-up
9000/77	10 to 30VDC Easy Fit Photoelectric Smoke Alarm with Battery Back-up (powered by the 9000/83A base)

## **Supplementary Information Sheet B (Smoke Alarms without Silence Facility)**

### ***BATTERY POWERED SMOKE ALARMS RECTANGULAR UNITS***

<b>Model</b>	<b>Reference Type</b>
Ei100C	Ionisation Smoke Alarm with Interconnect Function
Ei105B	Standard Photoelectric Smoke Alarm
Ei105B-FY	Standard Photoelectric Smoke Alarm WITH Lithium Battery
Ei105C	Photoelectric Smoke Alarm with Interconnect
Ei2105B	Standard Photoelectric Smoke Alarm
Ei2105C	Photoelectric Smoke Alarm with Interconnect
Ei3100RF	Ionisation Smoke Alarm with Radio Link Function
Ei3105TY	Photoelectric Smoke Alarm with Long Life Lithium Battery
Ei3105B	Standard Photoelectric Smoke Alarm
Ei3105C	Photoelectric Smoke Alarm with Interconnect Function
Ei3500RF	Ionisation Smoke Alarm with RF Wireless Interconnect Function

### ***LOW POWER SMOKE ALARMS RECTANGULAR UNITS***

<b>Model</b>	<b>Reference Type</b>
Ei100R3	12V DC Ionisation Smoke Alarm with Relay Output
Ei105R3	12V DC Photoelectric Smoke Alarm with Relay Output
Ei105R4	10V DC Photoelectric Smoke Alarm with Relay Output

## **Supplementary Information Sheet C (Smoke Alarms without Individual Alarm Indicator)**

### ***BATTERY POWERED SMOKE ALARMS RECTANGULAR UNITS***

<b>Model</b>	<b>Reference Type</b>
Ei100S	Ionisation Smoke Alarm with Alarm Silence Function
Ei3500S	Ionisation Smoke Alarm with Alarm Silence Function

## **Supplementary Information Sheet D (Smoke Alarms without Silence Facility and Individual Alarm Indicator)**

### ***BATTERY POWERED SMOKE ALARMS RECTANGULAR UNITS***

<b>Model</b>	<b>Reference Type</b>
Ei100B	Standard Ionisation Smoke Alarm
Ei100L	Ionisation Smoke Alarm with Emergency Light Function
Ei3500B	Standard Ionisation Smoke Alarm