

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, 2797,
(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:

2797 CPR 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 ² |
| Operational reliability | passed | 4.1, 4.2 ¹ , 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. 4.2 (Optional Individual Alarm Indicator) applies to products listed in Supplementary Information Sheets A and B only

2. 5.20 (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:



03 March 2020

Dr. Michael Byrne
Director of Engineering

Supplementary Information Sheet A (All Clauses)

MAINS POWERED SMOKE ALARMS CIRCULAR UNITS

| Model | Reference Type |
|--------------|--|
| 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 |
| Ei146 | Easi-Fit Photoelectric Smoke Alarm with 9V Primary Battery Back-Up & Remote Test & Hush Control 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 |
| Ei366RF | Easi-Fit Photoelectric Smoke Alarm with Rechargeable Lithium Battery Back-up, Remote Test and Remote Alarm Silence Function supplied with Ei168RC RadioLINK Base |
| Ei2110 | Photoelectric Smoke Alarm with Heat Enhancement, Interconnect Function, Alarm Silence Function and Rechargeable Battery Back-up |

MAINS POWERED SMOKE ALARMS RECTANGULAR UNITS

| Model | Reference Type |
|--------------|---|
| 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

| Model | Reference Type |
|--------------|---|
| Ei100TY | Ionisation Smoke Alarm with 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

| Model | Reference Type |
|--------------|--|
| 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

| Model | Reference Type |
|--------------|---|
| 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

| Model | Reference Type |
|--------------|--|
| 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

| Model | Reference Type |
|--------------|--|
| 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

| Model | Reference Type |
|--------------|--|
| Ei100B | Standard Ionisation Smoke Alarm |
| Ei100L | Ionisation Smoke Alarm with Emergency Light Function |
| Ei3500B | Standard Ionisation Smoke Alarm |