

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 Sheet A

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

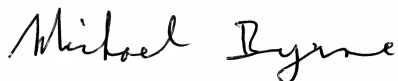
9. *Declared performance:*

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 |
| Operational reliability | passed | 4.1, 4.2, 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 |

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:



15 October 2013

Dr. Michael Byrne
Director of Engineering

Supplementary Information Sheet A

MAINS POWERED SMOKE ALARMS CIRCULAR UNITS

| Model | Reference Type |
|---------|---|
| Ei161 | Easi-Fit Ionisation Smoke Alarm with Rechargeable Lithium Battery Back-up |
| Ei161R | Easi-Fit Ionisation Smoke Alarm with Rechargeable Lithium Battery Back-up, Remote Test and Remote Alarm Silence Function |
| Ei161RC | Easi-Fit Ionisation Smoke Alarm with Rechargeable Lithium Battery Back-up, Remote Test and Remote Alarm Silence Function |
| Ei140 | Easi-Fit Standard Ionisation Smoke Alarm |
| Ei141 | Easi-Fit Ionisation Smoke Alarm with 9V Primary Battery Back-up |
| Ei141RC | Easi-Fit Ionisation Smoke Alarm with 9V Primary Battery Back-up, Remote Test and Alarm Silence Function |
| Ei145 | Easi-Fit Standard Photoelectric Smoke Alarm |
| Ei146 | Easi-Fit Photoelectric Smoke Alarm with 9V Primary Battery Back-up |
| Ei146RC | Easi-Fit Photoelectric Smoke Alarm with 9V Primary Battery Back-Up & Remote Test & Hush Control Function |
| Ei163RC | Photoelectric Smoke Alarm with Heat Enhancement, Interconnect Function, Alarm Silence Function and Rechargeable Battery Back-up |
| Ei166 | Easi-Fit Photoelectric Smoke Alarm with Rechargeable Lithium Battery Back-up |
| Ei166R | Easi-Fit Photoelectric Smoke Alarm with Rechargeable Lithium Battery Back-up, Remote Test and Remote Alarm Silence 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

| 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 CIRCULAR UNITS

| Model | Reference Type |
|-----------|--|
| Ei405 | Photoelectric Smoke Alarm with RF Wireless Interconnect |
| Ei405N | Photoelectric Smoke Alarm |
| Ei405C | Photoelectric Smoke Alarm with RF Wireless Interconnect and Wired Interconnect Function |
| Ei405CN | Photoelectric Smoke Alarm with Interconnect Function |
| Ei405TYC | Photoelectric Smoke Alarm with RF Wireless Interconnect and Wired Interconnect Function and Non User Replaceable Lithium Batteries |
| Ei405TYCN | Photoelectric Smoke Alarm with Interconnect Function and Non User Replaceable Lithium Batteries |



BATTERY POWERED SMOKE ALARMS RECTANGULAR UNITS

| Model | Reference Type |
|--------------|---|
| Ei100B | Standard Ionisation Smoke Alarm |
| Ei100C | Ionisation Smoke Alarm with Interconnect Function |
| Ei100L | Ionisation Smoke Alarm with Emergency Light Function |
| Ei100S | Ionisation Smoke Alarm with Alarm Silence Function |
| 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 |
| Ei105B | Standard Photoelectric Smoke Alarm |
| Ei105B-FY | Standard Photoelectric Smoke Alarm WITH Lithium Battery |
| Ei105C | Photoelectric Smoke Alarm with Interconnect |
| Ei105H | Photoelectric Smoke Alarm with Alarm Silence Function |
| Ei2105B | Standard Photoelectric Smoke Alarm |
| Ei2105C | Photoelectric Smoke Alarm with Interconnect |
| Ei2105H | Photoelectric Smoke Alarm with Alarm Silencer Function |
| Ei3100RF | Ionisation Smoke Alarm with Radio Link Function |
| Ei3105TY | Photoelectric Smoke Alarm with Long Life Lithium Battery |
| 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 |
| Ei3105B | Standard Photoelectric Smoke Alarm |
| Ei3105C | Photoelectric Smoke Alarm with Interconnect Function |
| Ei3105H | Photoelectric Smoke Alarm with Alarm Silence Function |
| Ei3105L | Photoelectric Smoke Alarm with Emergency Light Function |
| Ei3105LC | Photoelectric Smoke Alarm with Interconnect and Emergency Light Function |
| Ei3105LCH | Photoelectric Smoke Alarm with Interconnect, Emergency Light and Alarm Silence Function |
| Ei3105RF | Radio Linked Photoelectric Smoke Alarm |
| Ei3500B | Standard Ionisation Smoke Alarm |
| Ei3500RF | Ionisation Smoke Alarm with RF Wireless Interconnect Function |
| Ei3500S | Ionisation Smoke Alarm with Alarm Silence Function |

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) |
| 9000/83A | Smoke Alarm Mounting Base (Tunstall Telecom) for the 9000/77 Smoke Alarm |

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 |