

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:*

Smoke Alarms installed in buildings

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

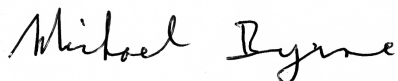
9. *Declared performance:*

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 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:



01 July 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