

# Ionisation Smoke Alarm

## 9V Lithium Battery Powered

### Model Ei100TYC

- Dual Ionisation chamber sensor
- 10 year Lithium battery powered – designed to outlast the useful life of the alarm
- Built in Test and Hush button
- Interconnectable with other battery powered Aico alarms
- Low power cell warning
- Kitemarked to BS EN14604:2005
- 5 Year Guarantee



### Product Description

The Ei100TYC is an Ionisation Smoke Alarm, powered by a 9V Lithium battery designed to last 10 years (the life of the alarm)

The alarm gives a fire warning when adequate smoke enters the alarm.

Interconnectable with up to 12 battery powered alarms

### Operation

- The "Test" button will perform a self test and sound the horn
- The "Hush" button will silence false alarms. The unit will then beep once every 40 seconds for 10 minutes to indicate it is in "Hush" mode
- When interconnected, an alarm activation on one alarm will trigger all other interconnected alarms (only the triggered alarm will flash a red indicator)
- The alarm will emit a beep every 40 seconds to indicate that the battery is depleted and needs replacing

### Technical Specification

1. The Smoke Alarm carries the BSI Kitemark to indicate type testing to BS EN14604:2005. It will meet the requirements of Grade F systems as defined in BS5839: Pt.6:2013. It carries the CE mark to indicate conformance to Electromagnetic Compatibility Directives.
2. Dual ionisation chamber sensor, with corrosion resistant electrodes, and insect resistant cover.
3. Powered by FDK Lithium cells designed to last 10 years (the life of the alarm).
4. Built in sounder giving a minimum sound output of 85dB(A) at 3m. Frequency is in the range 2200/2800Hz. The diameter of the piezo disc in the sounder measures 40mm, and has wire contacts soldered directly on to the piezo disc. The sounder includes a resonator or "trumpet" 30mm in length, which reaches to the lid of the outer casing in order to amplify the sound.
5. Interconnect feature, if one alarm sounds all interconnected alarms will sound, up to 12 units may be interconnected. Wiring – can be linked with light weight twin core (cable 250m, 50 ohms max). LED under the test button flashes every second on the unit that initiated the alarm. (Interconnect models - Ei100C, Ei100TYC, Ei105C, Ei105CP18, Ei3105TYCH and Ei103C only).
6. "Test" button to simulate the effect of smoke and tests sensor, electronics and horn.
7. "Hush" button - Silences unwanted alarms for up to 10 minutes and beeps every 40 seconds to warn that alarm is in 'Hush' mode. Automatically resets.
8. Automatic Self-Test: Smoke chamber is tested every 40 seconds and unit beeps if a fault is detected.
9. Automatic reset facility in that when smoke clears from the alarm sensor the unit will reset automatically.
10. Low battery warning signal, beeps every minute for 30 days - when replacement unit is required.
11. Airspeed: No false alarms up to 22mph.
12. Ambient Temperature Range: 4°C to 40°C. Humidity Range: 0 to 90% relative humidity.
13. Dimensions: 140 x 125 x 46mm. Weight inclusive of packaging: 250g.
14. Manufactured in Ireland.
15. 5 year guarantee.



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E & OE Our policy is one of continuous improvement.  
We reserve the right to amend designs and specifications without prior notice.

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