

Optical Smoke Alarm

9V Battery Powered

Model Ei105C

- Large volume Optical chamber sensor
- Built in Test button
- Interconnectable with other battery powered Aico alarms
- Low power cell warning
- Kitemarked to BS EN14604:2005
- 5 Year Guarantee



Product Description

The Ei105C is an Optical Smoke Alarm, powered by a 9V battery. The alarm gives a fire warning when adequate smoke enters the alarm. Interconnectable with up to 12 battery powered alarms.

Operation

- Test button checks circuitry, sensor and sounds horn
- 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.6:2004. It carries the CE mark to indicate conformance to Electromagnetic Compatibility Directives.
2. Optical sensor with large volume chamber and large high sensitivity photodiode. Insect resistant fine mesh screen with holes less than 0.030 inches.
3. 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.
4. Test button to simulate the effect of smoke and tests sensor, electronics and horn.
5. Automatic Self-Test: Smoke chamber is tested every 40 seconds and unit beeps if a fault is detected.
6. Automatic reset facility in that when smoke clears from the alarm sensor the unit will reset automatically.
7. 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, 50ohms 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).
8. Battery fitted with reliable snap fit connector, which prevents the battery being connected up the wrong way round. It also overcomes the problem of creepage.
9. Low battery warning signal, beeps every minute for 30 days - when replacement battery is required.
10. Airspeed: No effect.
11. Ambient Temperature Range: 4°C to 40°C. Humidity Range: 0 to 90% relative humidity.
12. Dimensions: 140 x 125 x 46mm. Weight inclusive of packaging: 270g.
13. Manufactured in Ireland
14. 5 year guarantee



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