

TECHNICAL SPECIFICATION

Ei100R Ionisation Smoke Alarm

- 1) The Smoke Alarm carries the BSI Kitemark to indicate type testing to BS5446: Pt.1: 2000. It will conform to the relevant parts of BS5839: Pt.6: 2004. It carries the CE mark to indicate conformance to Electrical Safety and Electromagnetic Compatibility Directives.
- 2) Dual ionisation chamber sensor, with corrosion resistant electrodes, and insect resistant cover.
- 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) Interconnect feature, if one alarm sounds all interconnected alarms will sound, up to 12 units may be interconnected. Wiring - low voltage multicore signal cable. Maximum resistance 20 Ohms. Can be interconnected with models Ei100R, Ei105R and Ei103R only.
- 7) Automatic reset facility in that when smoke clears from the sensor the smoke alarm will reset automatically.
- 8) Relay Contacts - Volt free with Normally Open and Normally Closed options and rated to 24 Volts/1 Amp resistive.
- 9) Power on LED flashes every 40 seconds to confirm integrity of power supply.
- 10) Power supply: 10.2 to 14 Volts DC normally supplied by compatible control panel.
- 11) Standby current: 150 microamps (max). Alarm current: 60 mA (max), 30 mA (min).
- 12) Airspeed: No false alarms up to 22mph.
- 13) Ambient Temperature Range: 4°C to 40°C. Humidity Range: 0 to 90 % relative humidity.
- 14) Dimensions: 140 x 125 x 46mm.
- 15) Weight inclusive of packaging: 210g.
- 16) Manufactured in the EU.
- 17) 5 Year Guarantee.

Aico Ltd.,
Mile End Business Park, Maesbury Rd, Oswestry, Shropshire SY10 8NN
Tel: 0870 758 4000 Fax: 0870 758 4012

E&OE - As our policy is one of continuous product improvement, we reserve the right to vary details without prior notice