PERFORMANCE SPECIFICATION
EI100R Ionisation Smoke Alarm
FARNELL CODE 7138271

The smoke alarm is designed to operate with the 12 Volt supply from a control panel and provide a alarm signal via a set of relay contacts (normally closed in the "no smoke" condition). The unit may be remotely tested from the control panel.

1) The Smoke Alarm carries the BSI Kitemark to indicate type testing to BS 5446:Pt 1:1990. And meest or exceeds the requirements of Grades D, E and F systems as defined in BS 5839:Pt6:1995 if installed as an integral part of a security system.

2) Dual chamber ionisation sensor with corrosion resistant electrodes and cover, and an insect resistant screen.

3) Supply voltage 10.2 - 13.2volts. Standby current 150 Microamps (max). Alarm current 60mA (max) 30mA (min).

4) Cable required for installation - 5 core (or 4 core if remote test is not needed) Maximum resistance to be 20 Ohms.

5) Interconnection capability such that if one alarm sounds all interconnected alarms shall sound. Up to 12 units, ionisation EI100R, optical EI105R or heat alarm EI103R, are able to be interconnected in this way.

6) Built in sounder to give a sound output of 85dBA at 3 metres. Frequency in the range 2200/2800Hz.

7) Manual test button to test circuitry and horn and to activate all interconnected alarms in the system. Red LED under test button flashes every 2 seconds on the unit in alarm state.

8) Automatic reset facility of alarm function.

9) Power on red LED indicator flashes every 40 seconds to confirm integrity of power supply.

10) Ambient temperature range 4°C to 40°C (39°F - 104°F). 10% to 90% relative humidity.

11) Relay contacts: 24 Volts/1 amp (Resistive)

12) Full set of installation instructions supplied