

# **PERFORMANCE SPECIFICATION**

## **EI156TL Optical Smoke Alarm**

### **FARNELL CODE 7094954**

- 1) The Smoke Alarm carries the BSI Kitemark to indicate type testing to BS 5446:Pt 1:1990. And will meet or exceed the requirements of Grades D, E and F systems as defined in BS 5839:Pt6:1995. It also carries the CE mark to indicate conformance to BS EN 60065-1994, BS EN 50081-1:1992 and BS EN 50082-1:1992 Low Voltage and Electromagnetic Compatibility Directives.
- 2) Optical (photoelectric) sensor chamber with insect resistant fine mesh screen.
- 3) 230V AC Mains Power Supply with built in tamper proof Rechargeable Vanadium Pentoxide Lithium standby cells, capable of lasting at least 10 years and powering the alarm for at least 3 months in the event of mains power failure.
- 4) Interconnection capability such that if one alarm sounds all interconnected alarms shall sound. Up to 36 units - ionisation, optical or heat alarms, are able to be interconnected in this way providing a relay is not used.
- 5) Built in sounder to give a sound output of 85dBA at 3 metres. Frequency in the range 2200/2800Hz.
- 6) Automatic self test feature - chamber is tested every 40 seconds and unit bleeps (without red LED flash) if degraded.
- 7) Manual test button to test circuitry and horn and to activate all interconnected alarms in the system
- 8) Automatic reset facility of alarm function.
- 9) Separate green LED mains indicator light to confirm integrity of mains power supply.
- 10) Separate red LED under test button flashes every 40 seconds to indicate auto test, and flashes rapidly in alarm condition.
- 11) Low power cell warning signal operates with or without mains power present.
- 12) Anti tamper locking device to prevent unauthorised removal of the alarm from the mounting plate without the use of a tool.
- 13) Foam gasket built into surface mount plate to prevent dust ingress into the rear of the unit.
- 14) Non reversible mains connector with 200mm lead and wiring instruction label.
- 15) Ambient temperature range 5°C to 44°C (39°F - 104°F). 0% to 90% relative humidity.
- 16) Dust cover is fitted to the alarm to protect it from contamination during installation.
- 17) Two separate sets of instructions - one for the installer and one for the user.

E & O E As our policy is one of continuous development, we reserve the right to amend designs and specifications without prior notice.

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