

# **PERFORMANCE SPECIFICATION**

## **EI131 Ionisation Smoke Alarm**

### **FARNELL CODE 7095478**

- 1) The Smoke Alarm carries the BSI Kitemark to indicate type testing to BS 5446:Pt 1:1990. It meets or exceeds 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) Dual chamber ionisation sensor with insect resistant screen.
- 3) 230V AC Mains Power Supply with 9V Alkaline Battery standby supply capable of lasting up to 4 years in standby mode and capable of powering the alarm for up to two years without mains power.
- 4) Battery is fitted into a drawer to enable replacement without removal from the ceiling. An internal battery drawer locking device to be included to prevent unauthorised battery removal if required.
- 5) Battery is connected using a snap fit connector to ensure correct polarity.
- 6) Battery is supplied pre connected to obviate the risk of non connection when installed. The circuit is not connected until the mains plug is inserted into the rear of the alarm.
- 7) Built in surface mount kit with back plate, connector lead and pre wired terminal block.
- 8) Interconnection capability such that if one alarm sounds all interconnected alarms shall sound. Up to 36 units, ionisation, optical or heat, shall be able to be interconnected in this way providing a relay is not used.
- 9) Built in sounder to give a sound output of 85dBA at 3 metres. Frequency is in the range 2200/2800Hz.
- 10) "Hush" feature for false alarm control by way of a separate hush button. Quietens unwanted alarms for up to 8 minutes and bleeps every 40 seconds to warn that alarm is in hush mode. Automatically resets.
- 11) Manual test button to test circuitry and horn and to activate all interconnected alarms in the system.
- 12) Automatic reset facility of alarm function.
- 13) Separate green LED mains indicator light to confirm integrity of mains power supply.
- 14) Separate red LED under test button flashes every 40 seconds to indicate auto test, and flashes rapidly in alarm condition.
- 15) Low battery warning signal operates with or without mains power present.
- 16) Anti tamper locking device to prevent unauthorised removal of the alarm from the mounting plate without the use of a tool.
- 17) Non reversible mains connector with 200mm lead and wiring instruction label
- 18) Ambient temperature range 5°C to 44°C (39°F - 104°F). 0% to 90% relative humidity.
- 19) Dust cover is fitted to the alarm to protect it from contamination during installation.
- 20) 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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