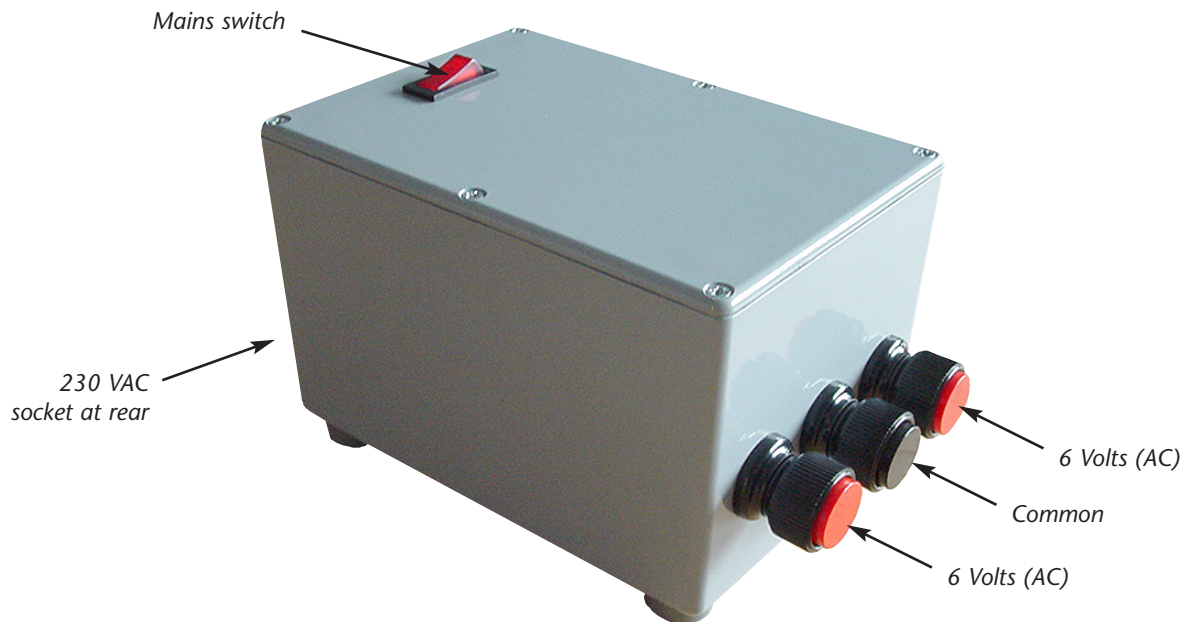


WIRE OVERHEAT TEST UNIT



This unit is designed for the testing of aspirating smoke detection systems as specified in the following documents.

- BS 6266 : 1992. Appendix A.
Procedures A.3 and A.4
- British Telecom WNP/CPG 57200 1998 Section 4.1. (Formerly FP1063.4 Issue 8)
Ultra-high sensitivity. Very high sensitivity.

The unit incorporates a switched 230 volts A.C. input feeding the primary coil of a 200 VA transformer. The transformer has two 6 volt A.C. outputs that are connected across three output terminals. The two outer terminals are the individual 6 volt A.C. outputs and the centre terminal is a common return.

This equipment is fitted to a die-cast metal enclosure that is connected to earth. The 230 volts A.C. supply plug is fitted with a 3.0 Amp fuse.

Using the apparatus

Place the unit on a stable surface and strip approximately 30 mm from one end of the specified length of test wire. Wrap this clockwise around the post of one of the two outer terminals and tighten the terminal. If two lengths of wire are required for the test, connect one end of the second wire to the spare outer terminal. Connect the other end of the wire(s) to the common centre terminal.

Ensure that the test wire is not twisted.

Check that the main switch on the top of the apparatus is in the 'Off' (0) position. Plug the mains lead into the receptacle at the rear of the apparatus and then into a

suitable 230 volts A.C. outlet (If outlet is switched off, turn it on.).

When ready to perform the test, ensure that the area is cleared of all personnel. (The overheated test wires give off smoke that may irritate the nose and eyes.) With a suitable stop watch to hand, switch on the apparatus and begin timing. The switch will illuminate and current will pass through the test wires.

Move away from the apparatus to avoid the smoke and only return to switch off the apparatus (either at the apparatus or at the supply outlet) at the end of the specified time allowed to overheat the test wire(s).