

### 3. Connect wiring

This product meets the requirements of the LPCB approval to BS5446-1:2000 only when installed with a permanent live feed

#### Consumer Information

BS5446-1: 2000 makes provision for either permanently powered mains alarms or battery powered alarms. The innovative 'hybrid' nature of this FireAngel makes it possible to operate the smoke alarm from a switch live feed. At present the British standard contains no requirements for this mode of operation and because of this the LPCB approval can only apply to this FireAngel when wired to a permanent live feed.

The FireAngel can be wired in a number of different ways to suit your special requirements. You have the following choices:

**a) Standard** - Permanent connection to the permanent live and also the switched live from the light switch. This is the recommended method, as the internal battery will be kept fully charged. You can test or reset your FireAngel by flicking a light switch within the circuit you have installed the alarm or by using the test/reset button on the alarm itself. See diagram on page 12.

**b) Switched** – Power taken from a switched light fitting. This method can be used if it is not convenient to access a permanent live supply wire. The same Test and reset features are available, but the light fitting must be used for at least 2 hours a week to ensure the internal battery is charged. See diagram on page 13.

**c) Limited** – Permanent battery charging connection only. This has the advantage of keeping the internal battery fully charged under normal conditions, but does not allow the FireAngel to be tested or reset using a light switch; the test/reset button on the alarm must be used for this purpose. Please follow the wiring diagram on page 12, however, the connection to the switched live is not made in this configuration. This configuration is used mostly where switched live of a nearby lighting circuit is unavailable hence any secure permanent live connection can be used.



**NOTE:** On all wiring configurations the white interconnect wire need not be connected if the alarms are not required to communicate with each other.



**IMPORTANT:** If the interconnect function is not used then alarms WILL NOT communicate with each other (detection of smoke in one alarm will NOT force others into alarm).