Guide to BS5839 part 6

Early smoke detection and notification saves lives and property!

Is not intended for householders themselves, but to provide guidance and recommendations for architects and other building professionals, enforcing authorities, contractors and others responsible for implementing fire precautions in buildings!

The Code of Practice should not be quoted as if it was a specification and the standard itself warns that particular care should be taken to ensure that claims of compliance are not misleading.

It is also pointed out that compliance with a British Standard cannot automatically confer legal immunity. However, for a landlord or installer, compliance with the latest Code is obviously the best line of defence in any claim made against them.

It is essential that fire alarms are correctly designed, specified, installed and maintained.

The system design and installation should always be agreed with all parties including the local fire officer, the local district building officer, Insurers, site fire officers.

Systems for protecting life

**Type LD1** – A system installed throughout the dwelling, incorporating detectors in all circulation spaces that form part of the escape routes from the dwelling, and all rooms and areas in which fire might start, other than toilets, bathrooms and shower rooms.

**Type LD2** – A system incorporating detectors in all circulation spaces that form part of the escape routes from the dwelling, and all rooms or areas that present a high fire risk to occupants!

**Type LD3** – A system incorporating detectors in all circulation spaces that form part of the escape routes from the dwelling.
Grading of Systems for the above

**Grade A** – Fire detection and fire alarm system, which incorporates control and indicating equipment and which is designed and installed in accordance with all the recommendations of section 1 to 4 inclusive of BS5839-1-current! Exceptions apply, see current part 6

**Grade B** – Fire detection and fire alarm system, comprising fire detectors (other than smoke alarms and heat alarms), fire alarm sounders and Control and Indicating Equipment (CIE).

**Grade C** – A system of one or more mains-powered smoke alarms (which may be combined in the form of smoke alarms) connected to a central CIE.

**Grade D** – A system of one or more mains-powered smoke alarms, each with an integral standby supply, (the system may, in addition, incorporate one or more mains powered heat alarms, each with an integral standby supply)

**Grade E** – A system of one or more mains powered smoke alarms with no standby supply.

**Grade F** – A system of one or more battery powered smoke alarms.