

## Fire Alarm System Overview

Standard	Category	Areas Covered
BS 5839 Pt1	M	Manual systems with no automatic fire detectors
	L1	Call points and detectors throughout all areas of the building
	L2	Call points and detectors within those parts of the escape routes comprising circulation areas and circulation spaces, such as corridors and stairways. Detectors in rooms which open onto escape routes. Detectors in specified areas of high fire hazard level and/or high fire risk.
	L3	Call points and detectors within those parts of the escape routes comprising circulation areas and circulation spaces, such as corridors and stairways. Detectors in rooms which open onto escape routes.
	L4	Call points and detectors within those parts of the escape routes comprising circulation areas and circulation spaces, such as corridors and stairways.
	L5	Detectors located to satisfy a specific fire safety objective (other than that of a Category L1, L2, L3 or L4 system). No manual call points.
	L5/M	Call points and detectors located to satisfy a specific fire safety objective (other than that of a Category L1, L2, L3 or L4 system).
BS 5839 Pt6	LD1	Detectors in all circulation spaces that form part of the escape routes from the dwelling. Detectors in all rooms and areas in which fire might start, other than toilets, bathrooms and shower rooms.
	LD2	Detectors in all circulation spaces that form part of the escape routes from the dwelling. Detectors in all rooms or areas that present a high fire risk to occupants.
	LD3	Detectors in all circulation spaces that form part of the escape routes from the dwelling.

Grade	Description
A	A system which incorporates control, indicating and power supply equipment, and which is designed and installed in accordance with the recommendations of BS 5839-1, except those relating to audibility, deaf and hard of hearing, manual call points, standby battery capacity and radio-linked systems. Includes call points.
B	A system comprising fire detectors (other than smoke alarms and heat alarms), fire alarm sounders, and control and indicating equipment that either conforms to BS EN 54-2 (and power supply complying with BS EN 54-4) or to Annex C of BS 5839-6. Includes call points.
C	A system of fire detectors and alarm sounders (which may be combined in the form of smoke alarms) connected to a common power supply, comprising the normal mains and a standby supply, with central control equipment.
D	A system of one or more mains-powered smoke alarms, each with an integral standby supply. (The system may, <u>in addition</u> , incorporate one or more mains-powered heat alarms, each with an integral standby supply.)
E	A system of one or more mains-powered smoke alarms with no standby supply. (The system may, <u>in addition</u> , incorporate one or more heat alarms, with or without standby supplies.)
F	A system of one or more battery-powered smoke alarms. (The system may, <u>in addition</u> , also incorporate one or more battery-powered heat alarms.)