

Grade A: A fire detection and fire alarm system, which incorporates CIE conforming to BS EN 54-2 and power supply equipment conforming to BS EN 54-4, and which is designed and installed in accordance with all the recommendations of BS 5839-1:2017, Section 1 to Section 4

Grade D1: A system of one or more mains-powered detectors (see 3.12), each with a tamper-proof standby supply consisting of a battery or batteries

Grade D2: A system of one or more mains-powered detectors (see 3.12), each with an integral standby supply consisting of a user-replaceable battery or batteries.

Categories:

Category LD2: a system incorporating detectors in all circulation areas that form part of the escape routes from the premises, and in all specified rooms or areas that present a high fire risk to occupants, including any kitchen and the principal habitable room

Category LD3: a system incorporating detectors in all circulation areas that form part of the escape routes from the premises

BS 5839-6, the current standard, only recommends a Grade A system (for existing premises, not new builds), when its a 4 storey house or more, or supported housing.

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BS5839 Grade A LD2

The british Standard associated with fire alarm systems is BS5839. One of the more common fire alarm system classifications being asked for by authorities and fire officers is a BS5839 Grade A LD2 Fire Alarm System. This type of system comes under BS5839 Part 6 which was introduced in 2004. Part 6 of the standard concerns fire alarm systems in dwellings. For more information on this type of system please



call us NOW on 01200 428 410.

Click Here To View Our [Fire Alarm System](#) Equipment Ranges for equipment suitable for BS5839 Grade A LD2 Systems.

A BS5839 Grade A LD2 Fire Alarm System are usually requested in buildings of 3 storeys and over in size. The fire alarm system would require a main fire alarm control panel to monitor and control the devices on the system which is installed to the requirements of BS5839 part 1. The positioning of the devices on the system within the building should include alarm devices in all circulation spaces that form part of escape routes and rooms or areas that present a high fire risk. The Safety Centre has various systems that can be used to achieve a system compliant to BS5839 Grade A LD2. These systems include [Wireless Fire Alarm](#) equipment which offer a system that can be installed quickly leaving less disruption to the building fabric as cables to connect the detectors together do not need to be installed. The product portfolio also includes many hard wired systems that can be used to achieve this standard of fire alarm. These systems include [Two Wire Fire Alarm System](#), Conventional / non-addressable fire alarm systems and for the larger installation we also have analogue addressable fire alarm systems. Please don't hesitate to call us NOW on 01200 428 410 for more information on these systems. If you're interested in BS5839 Grade A LD2 Fire Alarm Systems you may also be interested in our [Fire Extinguisher](#) and [Fire Alarm Systems](#) ranges.

Grade A LD2 Fire Alarm

You will need to fit a Grade A LD2 Fire Alarm if you have a HMO (House of multiple occupancy) with 3 or more floors. Occasionally, these systems could be fitted in large two storey HMO's too. However, the majority of the cases are the typical 5 or 6 bed HMO over 3 floors.

Installation of Grade A LD2 fire alarms

Install a grade A LD2 fire alarm with smoke detectors along the hall, stairs, landing, bedrooms, and lounge/dining area. Also, fit a heat detector in the kitchen. Fit smoke/heat detectors in the basement/cellar should you have one. Maybe, install a smoke detector if you have a garage accessible from within the HMO. Locate Call points (break glass units) at each fire exit and on each floor. Place sounders to give 75db at the bedstead. And, finally fit the fire control panel near the entrance to the building.

Who can fit a Grade A LD2 fire alarm?



To fit a grade A LD2 fire alarm you will need to employ a competent person to do this. furthermore, the installation of a grade A LD2 fire alarm should be to installed to BS5839 pt 6. In addition, we can help you with this, just use the contact page at the bottom of the page and we will send you a quote.

Maintenance and service

Maintenance of the fire alarm requires testing on a weekly basis and the results recorded in a fire log book. The system will also need servicing every six months by a competent engineer.

What if I don't know the grade of fire alarm system?

Getting a fire risk assessment will help. Not only will this tell you with what type of fire alarm you need. It will also tell you what other fire safety measures you should have. Whether that be fire doors, fire compartmentation, fire extinguishers and fire safety signs.

A fire risk assessment is required under the Regulatory Reform (fire safety) Order 2005 as you are a landlord/owner of this type of building and is a requirement by law

