Fire Alarm system Installation Guide

FIRE ALARM SYSTEM CATEGORIES

Systems designed for Protection of Property only, fall into two classifications P1 or P2.

The objective of a Category P1 is to provide the earliest possible warning of a fire to minimise the time between ignition and the arrival of the fire fighters.

P1 is designed to protect the whole building whilst P2 is installed in defined parts of the building only, which may have an extraordinary high risk or hazard.

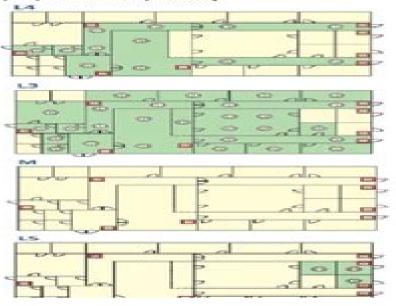
Life protection on the other hand will often depend on the number of people accessing a particular building and depending on the variations, the systems can range from simple Type M to L1 categories, these being detailed in the following diagrams.

These diagrams show a typical building with a number of escape routes, side rooms and open plan areas used for escape.

A Category M system requires manual call points on all exits as well as corridors where persons are not expected to walk more than 30/45m (see design note 3) to operate one.

Category L5, designed for buildings that have a particular risk identified which warrants some special attention. For example if there is an area of high risk which is considered worthy of having some automatic detection but a manual system is also needed, then this will be termed as L5/M.

Category L4 provides detection within the escape routes only, whereas L3 not only covers these areas but all rooms leading onto the escape route. The reasoning behind this is to alert people of the danger prior to the corridor becoming "Smoke logged" so people can escape safely.



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