

Sprinkler / fire detection system installation guideline

Based upon laws: 9/2000 (II.16.) BM and 35/1996. (XII.29.) BM

Distance between pavement and building's upper floor level: above 13.65m - middlehigh building, above 31.65m - high building

Building type	Building more specifically	Fire detection system	Sprinkler system	Comment
Hostel	Hotels	yes	yes	Installation of both systems is obligatory in middlehigh and high buildings. Installation of a fire detection system is also obligatory in all multi-level buildings.
Hostel	Motels	yes	yes	Installation of a fire detection system is obligatory in all multi-level buildings
Hostel	Pensions	yes	yes	Installation of a fire detection system is obligatory in all multi-level buildings
Hostel	Resort hotels	yes	yes	Installation of both systems is obligatory in middlehigh and high buildings. Installation of a fire detection system is also obligatory in all multi-level buildings.
Hostel	Youth hostels	yes	yes	Installation of both systems is obligatory in middlehigh and high buildings. Installation of a fire detection system is also obligatory in all multi-level buildings.
Administration & Office	Institutes	yes	yes	Fire detection system is required in multi-level and middlehigh buildings while in high buildings both systems are obligatory.
Administration & Office	Financial offices, institutes and service facilities	yes	yes	Installation of fire detection system is always required while sprinkler is only needed if the building is considered as a high building.
Administration & Office	Polities	yes	yes	Fire detection system is required in multi-level and middlehigh buildings while in high buildings both systems are obligatory.
Handicapped	Institutes and centers for blind and deaf people	yes	yes	If the number of people exceeds 100 per one fire section or the number of people exceeds 50 per escape rout a fire detection system should be installed. In buildings have more than 2 levels both sprinkler and fire detection system installation is required.
Handicapped	Dormitories, Student's residences, Colleges for physically challenged people	yes	yes	If the number of people exceeds 100 per one fire section or the number of people exceeds 50 per escape rout a fire detection system should be installed. In buildings have more than 2 levels both sprinkler and fire detection system installation is required.

Cultural	Theatres	yes	yes	If the audience capacity exceeds 300 people fire detection system should be installed. Stage protection: if the internal height exceeds 8m both systems should be installed. Both systems are required in the basement if the surface area below ground level exceeds 80% of the total surface area below ground and the fire load exceeds 1500MJ/m ² .
Commercial	Shopping malls, department stores (excluding food stores)	yes	yes	If the grand total surface area exceeds 2000m ² a fire detection system is obligatory. If the same area exceeds 8000m ² sprinkler system should be installed as well. Above 3 levels a fire detection system should be installed. If the building is considered either middlehigh or high both systems are obligatory to install.
Storage	Garages, (deep garages), car park (over 20 vehicles)	yes	yes	In multilevel deep garages, or middlehigh closed parking houses both the fire detection and sprinkler installation is required. If the number of vehicles exceeds 20 cars per floor-closed area, installation of both systems are required.
Storage	Automatic park-houses	yes	yes	If the number of vehicles exceeds 20cars / floor, installation of both systems are required.
Mixed	Computer centres	yes	yes	When surface area of the protected area exceeds 150m ² the installation of both systems are required