

# Fire Alarm & Evacuation Systems



Fire Alarm and Evacuation Systems are designed to detect a fire and alert the occupants of the building. In some cases the Fire Alarm System automatically calls the Metropolitan Fire Service (MFS) or a security monitoring company. Fire Alarm Systems can also be used to activate other controls such as fire doors (used to contain the fire in one area) or smoke spill fans (used to clear the smoke from within the building).

South Australian regulations typically only require a Fire Alarm and Evacuation System to be installed in commercial buildings where the building area is greater than 2,000 square meters or greater than 2 stories in height<sup>(1)</sup>.

The smoke detectors connected to a Fire Alarm System should be located in all rooms at regular spacing's not exceeding 10 meters<sup>(2)</sup>. The Alarm sirens and Evacuation announcements should be able to be heard in all Parts of the building.

Fire System Services can undertake a review of your site and advise you if you are likely to require a fire alarm and evacuation system and whether the layout of your existing smoke detectors and alarm devices meets the current Australian Standard. The final determination of the type and layout of a fire alarm and evacuation system is undertaken by a Building Surveyor.

Once installed a Fire Alarm and Evacuation System should be regularly maintained. The minimum maintenance requirements as documented in South Australian legislation and regulations<sup>(3)</sup> are:

- monthly test of the fire panel and evacuation tones
- Annual test of a sample of fire detectors and operation of all ancillary devices

The maintenance of a fire alarm and evacuation system can only be undertaken by a trained FPAS Accredited Cert ii technician.

Fire System Services employs trained and accredited cert ii personnel in the testing of fire alarm and evacuation systems - we are recognized as being competent.

It is recommended that only companies, such as Fire System Services, that are FPAS Accredited to maintain your fire equipment.

If you require further information please contact Fire System Services on free call 1300 88 3473.

**Fire System Services Pty Ltd**

*(1) Development Act, 1991. Ministers Specification SA 76, 2000. Building Code of Australia (BCA)*

*(2) Australian Standard AS 1670 Part 1-Fire detection, warning, control and intercom systems - System design, installation and commissioning, 2004*

*(3) Australian Standard AS 1851-2012 Section 6 – Routine service of fire protection systems & equipment - Fire detection and alarm systems*

Contact



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