

BRITISH STANDARD

Code of practice for the operation of fire protection measures –

Part 1: Electrical actuation of gaseous total flooding extinguishing systems

ICS 13.220.20



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Foreword

Publishing information

This part of BS 7273 was published by BSI and came into effect on 28 July 2006. It was prepared by Subcommittee FSH/12/4, *Automatic operation of fire protection*, under the authority of Technical Committee FSH/12, *Fire detection and alarm systems*. A list of organizations represented on this committee can be obtained on request to its secretary.

The start and finish of text introduced or altered by Amendment No. 1 is indicated in the text by tags **A1** **A1**.

Supersession

This part of BS 7273 supersedes BS 7273-1:2000, which is withdrawn.

Relationship with other publications

BS 7273 is published in a series of parts:

- Part 1: *Electrical actuation of gaseous total flooding extinguishing systems*;
- Part 2: *Mechanical actuation of gaseous total flooding and local application extinguishing systems*;
- Part 3: *Electrical actuation of pre-action sprinkler systems*.

Further parts of this standard either planned or in preparation will deal with the automatic closing (or opening) of fire doors, fire shutters, etc.

Information about this document

This is a full revision of BS 7273-1. The principal changes from the previous edition are as follows.

- Recommendations relating to control and indicating equipment have been removed. Reference is now made to BS EN 12094-1 and BS EN 54.
- Reference is made to BS ISO 14520.
- The recommendations relating to detector type and number needed for coincidence have been clarified.

Attention is drawn to Annex A, which gives a simple diagrammatic representation of a typical sequence of actions leading to the release of fire extinguishing gas.

Use of this document

As a code of practice, this part of BS 7273 takes the form of guidance and recommendations. It should not be quoted as if it were a specification and particular care should be taken to ensure that claims of compliance are not misleading.

Any user claiming compliance with this British Standard is expected to be able to justify any course of action that deviates from its recommendations.

Hazard warnings

CAUTION. Certain electromagnetic fields, such as those generated by radio transmitters, have been known to trigger electrically actuated gas release facilities or cause gaseous extinguishing systems to malfunction. Particular problems can occur if the system is installed in high field strengths such as at or near airports or radar transmitter stations. In such cases it is essential to avoid the risk of accidental discharge due to the electromagnetic field radiated by such apparatus. Specialist advice should be sought where necessary.

Presentational conventions

The provisions in this standard are presented in roman (i.e. upright) type. Its recommendations are expressed in sentences in which the principal auxiliary verb is “should”.

Commentary, explanation and general informative material is presented in smaller italic type, and does not constitute a normative element.

Contractual and legal considerations

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard cannot confer immunity from legal obligations.

