Fire detection and alarm systems for buildings - System design, installation, commissioning, servicing and maintenance
I.S. 3218:2013

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Údarás um Chaighdeáin Náisiúnta na hÉireann
DECLARATION

OF

SPECIFICATION

ENTITLED

FIRE DETECTION AND ALARM SYSTEMS FOR BUILDINGS –
SYSTEM DESIGN, INSTALLATION, COMMISSIONING, SERVICING
AND MAINTENANCE

AS

THE IRISH STANDARD SPECIFICATION FOR
FIRE DETECTION AND ALARM SYSTEMS FOR BUILDINGS –
SYSTEM DESIGN, INSTALLATION, COMMISSIONING, SERVICING
AND MAINTENANCE

NSAI in exercise of the power conferred by section 16 (5) of the National Standards Authority of Ireland Act, 1996 (No. 28 of 1996) and with the consent of the Minister for Jobs, Enterprise and Innovation, hereby declare as follows:

1. This instrument may be cited as the Standard Specification (Fire detection and alarm systems for buildings – System design, installation, commissioning, servicing and maintenance) Declaration 2013.

2. (1) The Specification set forth in the Schedule to this declaration is hereby declared to be the standard specification for Fire detection and alarm systems for buildings – System design, installation, commissioning, servicing and maintenance.

   (2) The said standard specification may be cited as Irish Standard 3218:2013 or as I.S. 3218:2013.


   (2) Reference in any other standard specification to the Instrument hereby revoked and to Irish Standard 3218:2009 thereby prescribed, shall be construed, respectively, as references to this Instrument and to Irish Standard 3218:2013.
Contents

DECLARATION..........................................................................................................................1
1 Scope ........................................................................................................................................6
2 Normative References ...........................................................................................................6
3 Terms and definitions ............................................................................................................8
5 System design: Overview ......................................................................................................20
  5.1 General ..............................................................................................................................20
  5.2 Premises in multiple occupancy .......................................................................................20
  5.3 Confirmation of system category ....................................................................................21
  5.4 Fire detection and alarm system design development and implementation process .......21
  5.5 Certification .....................................................................................................................23
6 Design considerations ..........................................................................................................23
  6.1 Purposes of fire alarm systems .......................................................................................23
  6.2 Design process ................................................................................................................23
  6.3 Circuit design ..................................................................................................................28
  6.4 Zones ..............................................................................................................................31
  6.5 Communications for emergency response via off-site organisations .........................35
  6.6 Audible and visual alarms .............................................................................................35
  6.7 Manual call points ..........................................................................................................43
  6.8 Types of fire detector .....................................................................................................46
  6.9 Choice of fire detectors ...................................................................................................49
  6.10 Systems installed for life safety ....................................................................................52
  6.11 False alarms ..................................................................................................................70
  6.12 Control and Indicating Equipment (CIE) ......................................................................70
  6.13 Power supplies ..............................................................................................................73
  6.14 Cables, wiring and other interconnections ..................................................................77
  6.15 Radio-linked systems .....................................................................................................81
  6.16 Ancillary services ..........................................................................................................83
  6.17 Radio and electrical interference ..................................................................................84
7 Limitation of false alarm(see definition)..............................................................................85
  7.1 Categories of false alarms .............................................................................................85
  7.2 Causes of false alarms ...................................................................................................86
  7.3 Responsibility for prevention of false alarms .................................................................86
  7.4 Design process for limitation of false alarms .................................................................88
  7.5 Action by the User to limit false alarms .........................................................................90
8 Workmanship, installation and commissioning ....................................................................92
  8.1 Work off-site - Packing ...................................................................................................92
  8.2 Work on-site ...................................................................................................................92
  8.3 Siting of equipment .........................................................................................................92
  8.4 Installation of equipment ...............................................................................................93
  8.5 System commissioning, testing and handover .................................................................93
  8.6 Certification of verification .............................................................................................102
9 User responsibilities ............................................................................................................103
  9.1 General ...........................................................................................................................103
  9.2 Servicing and maintenance ...........................................................................................105
10 Fire alarm systems in residential buildings ......................................................................115
  10.1 Assessing the risk .........................................................................................................115
  10.2 Fire protection in dwellings ..........................................................................................115
10.3 Audibility of smoke/heat alarms ................................................................. 118
10.4 Cables for interconnecting smoke/heat alarms ............................................ 118
10.5 Installation, testing, commissioning and certification of smoke/heat alarms ....... 118
10.6 Documentation/User instructions/completion/handover of smoke/heat alarm systems ... 119
10.7 Routine testing, servicing, of smoke/heat alarm systems .................................. 119
10.8 Existing Multiple-Occupancy Residential Buildings ....................................... 119
10.9 Existing dwelling houses ............................................................................. 119

Annex A (informative) Compatibility requirements ................................................ 120
Annex B (informative) Automatic connection to the Alarm Receiving Centre (ARC) ...... 123
Annex C 1 (normative) Fire detection and alarm system – Certificate of Design .......... 126
Annex C 2 (normative) Fire detection and alarm system – Certificate of Installation ...... 128
Annex C 3 (normative) Fire detection and alarm system – Final Certificate of Commissioning .... 129
Annex C 4 (normative) Fire detection and alarm system – Certificate of commissioning for modification, extension or alterations to a system .................................................. 130
Annex C 5 (normative) Fire detection and alarm system – Certificate of Commissioning for early handover for beneficial use ................................................................. 131
Annex C 6 (normative) Fire detection and alarm system – Certificate for Handover ........ 132
Annex C 7 (normative) Fire detection and alarm system – Certificate of Verification ....... 134
Annex D 1 (normative) Fire detection and alarm system- Certificate of Servicing/Testing .... 135
Annex D 1 (normative) Fire detection and alarm system- Certificate of Servicing/Testing .... 136
Annex D .2 (normative) Fire detection and alarm system: schedule of servicing/testing .... 137
Annex E 1 (informative) Model logbook for fire alarm systems – Front page .............. 138
Annex E 2 (informative) Model logbook for fire alarm systems – General register ........ 139
Annex E 3 (informative) Model logbook for fire alarm systems – False alarm register ...... 140
Annex F (normative) Ionisation chamber smoke detectors ........................................ 141
Annex G (informative) Fire alarm systems integrated with other systems .................. 142
Annex H (informative) Responsibilities ................................................................. 144
Annex I (informative) Guide to recommendations applicable to specific types of premises ... 145
Annex J (normative) Guidance on layout of smoke/heat alarms in dwelling houses, apartments or maisonelettes ................................................................. 146
Annex K (normative) Model certificate of design, installation and commissioning of smoke/heat alarm systems in dwellings ................................................................. 147
Annex L (normative) Model certificate of servicing/testing of a smoke/heat alarm system in dwellings ................................................................. 148
Annex M (informative) Staged (Phased) Fire Alarms ............................................. 149
Tables

Table 1 — Manual call point siting in staircases............................................................... 44
Table 2 — Limits for siting point detectors ......................................................................... 57
Table 3 — Limits of ceiling heights .................................................................................. 57
Table 4 — Sensitivity of Smoke detectors ........................................................................ 58
Table 5 — Spacing of Detectors on Honeycomb/Coffered Ceilings................................. 61
Table 6 — Spacing of detectors on ceilings with closely spaced structural beams/joists ...... 63
Table 7 — False alarm considerations ............................................................................. 89

Figures

Figure 1 — Detection Zones ............................................................................................... 33
Figure 2 — Marginal sound levels ..................................................................................... 38
Figure 3 — Multiple room and multiple exits (e.g. typical office/hospital ward) .............. 45
Figure 4 — Single room and multiple exits (e.g. typical function room) ......................... 46
Figure 5 — Height and clearance below ceilings ................................................................. 58
Figure 6 — Obstructions .................................................................................................. 59
Figure 7 — Typical Honeycomb Detail ............................................................................. 60
Figure 8 — Siting of Smoke (Heat) Detectors .................................................................. 61
Figure 9 — Spacing of Detectors ..................................................................................... 61
Figure 10 — Closely spaced beams/joists ....................................................................... 62
Figure 11 — Toilets/WCs with multiple cubicles ............................................................ 69
Foreword

The aim of this Standard is to promote wider understanding of the different types of fire detection and alarm systems and modes of operation which may be employed. It also aims to encourage uniformity of application, based on providing enhanced safety to persons in the event of an outbreak of fire and having due regard to the hazard level and degree of familiarity and alertness of occupants within particular buildings.

Fire detection and alarm systems are an integral part of the overall protection of the building.

The contents of this Standard should therefore be considered by all disciplines involved in the design process.

This Standard has been prepared with the assistance of the National Standards Authority of Ireland Fire Safety Standards Committee (FSSC), representation on which includes the Association of Consulting Engineers of Ireland (ACEI), the Chief Fire Officers Association (CFOA), the Irish Insurance Federation (IIF), major users represented by the Office of Public Works (OPW), the Health Services Executive (HSE), the Institution of Fire Engineers (IFE), the Irish fire industry represented by the Fire Engineering Systems Association (FESA) and the Fire Industry Association of Ireland (FIAI) and Fire Alarm Manufacturers.

Compliance with an Irish Standard does not of itself confer immunity from legal obligations. Special risks or hazards should be identified in the initial risk assessment and any specific standards applying to these should be agreed amongst the parties.

When it has been determined that a fire detection and alarm system is required, then in the absence of any other regulatory requirement, this standard is suitable.

It is expected that users of this Standard are competent, and should have sufficient training, experience and knowledge appropriate to the nature of the work to be undertaken (see definition, competent person).

Such persons should be able to demonstrate their competence to the satisfaction of the Client/User, and are advised to consider third party Certification, which may be coupled with assessment of a quality system such as one in accordance with I.S. EN ISO 9001.

There are a number of Annexes to this Standard. These Annexes are referred to as either Normative or Informative Annexes. Normative Annexes are mandatory for compliance with this Standard whereas Informative Annexes are for information only.

Schedule
Fire Detection and Alarm Systems for Buildings -
System Design, Installation, Commissioning, Servicing and Maintenance

1 Scope

This Standard provides requirements and recommendations for the planning, design, installation, commissioning, servicing and maintenance of fire detection and alarm systems in premises including those used for residential/domestic purposes. The Standard does not recommend whether or not a fire alarm system should be installed in any given building (see Building Regulations, Technical Guidance Document B). When it has been determined that a Fire Detection and Alarm System (FDAS) is required, this standard is suitable.

The systems covered in this Standard are referred to as Fire Detection and Alarm Systems (FDAS). The Standard covers systems ranging from simple installations with one or two manual call points, up to complex installations with automatic detectors, manual call points, control and indicating equipment, communication with the public fire service, etc. It also covers the provision of signals to initiate, in the event of a fire, the operation of ancillary services (see 6.16) and other precautions and actions, but it does not cover the ancillary services themselves.

Consultation with the appropriate Fire Authority is advised before undertaking the design or installation.

This Standard does not cover systems combining fire alarm functions with other non-fire related functions, although some guidance on such integrated systems is given in Annex G.

This Standard does not cover systems whose primary function is to extinguish or control the fire, such as sprinkler or automatic extinguishing systems, even though they might have a secondary alarm function. It does, however, cover the use of a signal from an automatic extinguishing system as one initiating element of a fire alarm system.

Recommendations for fire protection for electronic equipment installations are given in BS 6266.

2 Normative References

This Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references subsequent amendments to or revisions of any of these publications apply to this Irish Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

I.S. 3217:2013, Emergency Lighting


