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Second edition
2017-11

Fire detection and alarm systems —

Part 2: Fire detection control and indicating equipment

Systèmes de détection et d'alarme d'incendie —

Partie 2: Équipement de contrôle et de signalisation

Reference number
ISO 7240-2:2017(E)

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Contents

Page

Foreword ... **vi**

Introduction ... **vii**

1 Scope ... **1**

2 Normative references ... **1**

3 Terms, definitions and abbreviated terms ... **1**

4 Requirements ... **2**

4.1 General ... 2
4.2 Compliance ... 3
4.3 Quiescent condition ... 3
4.4 Fire alarm condition ... 3
4.4.1 Reception and processing of fire signals ... 3
4.4.2 Indication of fire alarm condition ... 4
4.4.3 Indication of fire detection zones in alarm ... 4
4.4.4 Audible indication ... 4
4.4.5 Other indications during the fire alarm condition ... 5
4.4.6 Reset from fire alarm condition ... 5
4.4.7 Output of fire alarm condition ... 5
4.4.8 Output to fire alarm signalling function — Optional function ... 5
4.4.9 Control of fire alarm routing function — Optional function ... 6
4.4.10 Output to fire protection control function — Optional function ... 6
4.4.11 Delays to outputs — Optional function ... 7
4.4.12 Dependency on more than one alarm signal — Optional function ... 8
4.4.13 Alarm counter — Optional function ... 9
4.4.14 Output of standard emergency evacuation signal — Optional function ... 9
4.5 Fault warning condition ... 9
4.5.1 Reception and processing of fault signals ... 9
4.5.2 Indication of faults ... 9
4.5.3 Fault monitoring of fire protection control function — Optional function ... 11
4.5.4 Fault signals from points — Optional function ... 11
4.5.5 Total loss of the power supply — Optional function ... 11
4.5.6 System fault ... 11
4.5.7 Audible indication ... 11
4.5.8 Reset of fault indications ... 12
4.5.9 Fault output ... 12
4.5.10 Output to fault warning routing function — Optional function ... 12
4.6 Disabled condition — Optional function ... 12
4.6.1 General ... 12
4.6.2 Disablements ... 13
4.6.3 Disablement and enablement of addressable points — Optional function ... 13
4.6.4 Indication of the disabled condition ... 13
4.7 Test condition — Optional function ... 14
4.7.1 General requirements ... 14
4.7.2 Indication of test condition ... 14
4.7.3 Indication of fire detection zones in test state ... 14
4.8 Supervisory signal condition — Optional function ... 14
4.8.1 Reception and processing of supervisory signals ... 14
4.8.2 Indication of the supervisory signal condition ... 15
4.8.3 Indication of the supervisory signals from fire detection zones ... 15
4.8.4 Audible indication ... 15
4.8.5 Reset of supervisory signal ... 16
4.8.6 Supervisory signal condition output ... 16
4.9 Standardized input/output interface — Optional function ... 16
4.10 Accessibility of indications and controls ... 17

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4.11 Visual indications ... 17
4.11.1 General ... 17
4.11.2 Indications by means of light-emitting indicators ... 17
4.11.3 Indications on alphanumeric displays ... 18
4.12 Audible indications ... 19
4.13 Additional indications ... 19
4.14 Testing of indicators ... 19
4.15 Power supply ... 19
4.16 Mechanical ... 19
4.17 Integrity of transmission paths ... 20
4.18 Software ... 20
4.18.1 General ... 20
4.18.2 Program monitoring ... 20
4.18.3 Storage of programs and data ... 21
4.18.4 Monitoring of memory contents ... 21

5 Tests ... 21
5.1 General ... 21
5.1.1 Standard atmospheric conditions for testing ... 21
5.1.2 Specimen configuration ... 22
5.1.3 Mounting and orientation ... 22
5.1.4 Electrical connection ... 22
5.1.5 Provision for tests ... 22
5.2 Functional test ... 22
5.2.1 Object of test ... 22
5.2.2 Test schedule ... 22
5.2.3 Fire alarm condition ... 23
5.2.4 Fault warning condition ... 23
5.2.5 Disabled condition ... 23
5.2.6 Requirements ... 23
5.3 Environmental tests ... 23
5.3.1 General ... 23
5.3.2 Tests for one specimen ... 24
5.3.3 Tests for two specimens ... 24
5.3.4 Tests for three specimens ... 24
5.3.5 Requirements ... 24
5.4 Cold (operational) ... 24
5.4.1 Object of test ... 24
5.4.2 Test procedure ... 25
5.4.3 Requirements ... 25
5.5 Damp heat, steady-state (operational) ... 25
5.5.1 Object of test ... 25
5.5.2 Test procedure ... 26
5.5.3 Requirements ... 26
5.6 Impact (operational) — Optional test ... 26
5.6.1 Object of test ... 26
5.6.2 Test procedure ... 27
5.6.3 Requirements ... 27
5.7 Vibration, sinusoidal (operational) — Optional test ... 28
5.7.1 Object of test ... 28
5.7.2 Test procedure ... 28
5.7.3 Requirements ... 29
5.8 Electromagnetic compatibility (EMC) — Immunity tests (operational) ... 29
5.8.1 Test procedure ... 29
5.8.2 Requirements ... 30
5.9 Supply voltage variation (operational) ... 30
5.9.1 Object of test ... 30
5.9.2 Test procedure ... 30
5.9.3 Requirements ... 30

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5.10 Damp heat, steady-state (endurance) 31
5.10.1 Object of test 31
5.10.2 Test procedure 31
5.10.3 Requirements 31
5.11 Vibration, sinusoidal (endurance) 32
5.11.1 Object of test 32
5.11.2 Test procedure 32
5.11.3 Requirements 32
5.12 Dry heat (operational) — Optional 33
5.12.1 Object of test 33
5.12.2 Test procedure 33
5.12.3 Requirements 33

6 Test report 33

7 Marking 34

8 Data 34
8.1 General 34
8.2 Software documentation 34
8.3 Hardware documentation 35
8.4 Installation and user documentation 35

Annex A (informative) **Optional functions with requirements and alternatives 37**

Annex B (informative) **Processing of signals from fire detectors 38**

Annex C (informative) **Explanation of fire detection zones and zonal indication of fire alarms 39**

Annex D (informative) **Delays to outputs 40**

Annex E (informative) **Fault recognition and indication 42**

Annex F (informative) **Systems related to the supervisory signal condition 43**

Annex G (informative) **Standardized input/output interface for the connection of ancillary equipment (e.g. fire brigade panel) 44**

Annex H (informative) **Explanation of access levels 45**

Annex I (informative) **Integrity of transmission paths 47**

Annex J (informative) **Design requirements for software-controlled fire detection control and indicating equipment 48**

Bibliography 49

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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This document was prepared by Technical Committee ISO/TC 21, *Equipment for fire protection and fire fighting*, Subcommittee SC 3, *Fire detection and alarm systems*.

This second edition cancels and replaces the first edition (ISO 7240-2:2003), which has been technically revised.

A list of all the parts in the ISO 7240 series can be found on the ISO website.

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Introduction

The fire detection control and indication function (ISO 7240-1:2014, Figure 1, item B), within a fire detection and alarm system (FDAS) installed in and around buildings, is provided by the fire detection control and indicating equipment (FDCIE).

FDCIE receives signals from the fire detection function (ISO 7240-1:2014, Figure 1, item A) and the manual initiating function (ISO 7240-1:2014, Figure 1, item D). FDCIE processes received signals and may indicate information at the FDCIE and/or send signals to other functions within the fire detection and alarm system. The signals are used to provide notification to building occupants and other parties responsible for building safety in accordance with the design objectives for the fire detection and alarm system (see also ISO 7240-14 or equivalent national design standard).

This document is drafted on the basis of mandatory functions, which are provided on all fire detection control and indicating equipment, and optional functions (with requirements) which may be provided. It is intended that the options be used for specific applications, and to meet the fire detection and alarm system design objectives. Each optional function is included as a separate entity, with its own set of associated requirements, in order to permit fire detection control and indicating equipment with many different combinations of functions to comply with this document.

Other functions associated with fire detection and fire alarm may also be provided, even if not specified in this document.

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