



**NSAI**  
Standards

Irish Standard  
I.S. EN 54-10:2002

# Fire detection and fire alarm systems - Part 10: Flame detectors - Point Detectors

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## I.S. EN 54-10:2002

*Incorporating amendments/corrigenda issued since publication:*

EN 54-10:2002/A1:2005

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I.S. xxx: Irish Standard – national specification based on the consensus of an expert panel and subject to public consultation.

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*This document replaces:*

*This document is based on:*  
EN 54-10:2002

*Published:*  
8 March, 2002

This document was published under the authority of the NSAI and comes into effect on:  
8 March, 2002

ICS number:  
13.220.20

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ICS 13.220.20

English Version

**Fire detection and fire alarm systems - Part 10: Flame detectors  
- Point detectors**

Systèmes de détection et d'alarme incendie - Partie 10:  
DéTECTEURS DE flamme - DéTECTEURS ponctuels

Brandmeldeanlagen - Teil 10: Flammenmelder -  
Punktförmige Melder

This amendment A1 modifies the European Standard EN 54-10:2002; it was approved by CEN on 14 October 2005.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This amendment exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

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COMITÉ EUROPÉEN DE NORMALISATION  
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**Management Centre: rue de Stassart, 36 B-1050 Brussels**

## **Contents**

	<b>Page</b>
<b>Foreword.....</b>	<b>3</b>
<b>Annex ZA (informative) Clauses addressing the provisions of the EU Construction Products Directive 89/106/EEC.....</b>	<b>5</b>
<b>ZA.1 Scope and relevant clauses.....</b>	<b>5</b>
<b>ZA.2 Procedures for the attestation of conformity of point smoke detectors covered by this standard..</b>	<b>6</b>
<b>ZA.2.1 System of attestation of conformity.....</b>	<b>6</b>
<b>ZA.2.2 Evaluation of conformity.....</b>	<b>7</b>
<b>ZA.3 CE Marking and labelling and accompanying documentation .....</b>	<b>11</b>
<b>ZA.4 EC certificate and declaration of conformity .....</b>	<b>12</b>
<b>Bibliography .....</b>	<b>13</b>

## **Foreword**

This document (EN 54-10:2002/A1:2005) has been prepared by Technical Committee CEN/TC 72 "Fire detection and fire alarm systems", the secretariat of which is held by BSI.

This Amendment to the European Standard EN 54-10:2002 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by May 2006, and conflicting national standards shall be withdrawn at the latest by August 2007.

This Amendment to EN 54-10:2002 has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association and supports the essential requirements of the EU Construction Products Directive (89/106/EEC).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of this document.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

**Contents**

*At the end of the existing table of contents, insert the following new entries:*

**Annex ZA (informative) Clauses addressing the provisions of the EU Construction Products Directive 89/106/EEC**

**Bibliography**

**New Annex ZA and Bibliography**

*After the existing Annex E, add Annex ZA and Bibliography as follows:*

## **Annex ZA** (informative)

### **Clauses addressing the provisions of the EU Construction Products Directive 89/106/EEC**

#### **ZA.1 Scope and relevant clauses**

This European Standard has been prepared under the mandate M/109 given to CEN by the European Commission and the European Free Trade Association.

The clauses of this European Standard, shown in this annex, meet the requirements of the mandate given under the EU Construction Products Directive 89/106/EEC.

Compliance with these clauses confers a presumption of fitness (as defined by the Construction Products Directive) of the construction product covered by this European Standard for its intended use according to Clause 1 (Scope) of this standard; reference shall be made to the information accompanying the CE marking.

**WARNING — Other requirements and other EU Directives may be applicable to the products falling within the scope of this standard.**

NOTE In addition to any specific clauses relating to dangerous substances contained in this standard, there may be other requirements applicable to the products falling within its scope (e.g. transposed European legislation and national laws, regulations and administrative provisions). These requirements need also to be complied with, when and where they apply. An informative database of European and national provisions on dangerous substances is available at the Construction web site on EUROPA (accessed through <http://europa.eu.int>).

This Annex ZA has the same scope, in relation to the products covered, as Clause 1 of this standard. This annex establishes the conditions for the CE marking of flame detectors - point detectors intended for the use shown below and identifies the relevant clauses applicable.

ICS 13.220.20

English version

## Fire detection and fire alarm systems - Part 10: Flame detectors - Point detectors

Systèmes de détection et d'alarme d'incendie - Partie 10:  
DéTECTEURS de flamme - DéTECTEURS ponctuels

Brandmeldeanlagen - Teil 10: Flammenmelder -  
Punktförmige Melder

This European Standard was approved by CEN on 3 November 2001.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Management Centre has the same status as the official versions.

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## Contents

Foreword.....	4
1 Scope .....	4
2 Normative references .....	4
3 Terms and definitions.....	5
4 General requirements.....	6
4.1 Compliance.....	6
4.2 Classification.....	6
4.3 Individual alarm indication.....	6
4.4 Connection of ancillary devices.....	6
4.5 Monitoring of detachable detectors.....	6
4.6 Manufacturer's adjustments .....	6
4.7 On-site sensitivity adjustment.....	6
4.8 Data .....	7
4.9 Additional requirements for software controlled detectors .....	7
4.9.1 General.....	7
4.9.2 Software documentation .....	7
4.9.3 Software design .....	8
4.9.4 The storage of programs and data.....	8
5 Tests.....	8
5.1 General.....	8
5.1.1 Atmospheric conditions for tests.....	8
5.1.2 Operating conditions for tests.....	8
5.1.3 Mounting arrangements .....	9
5.1.4 Tolerances .....	9
5.1.5 Determination of response point.....	9
5.1.6 Test procedure .....	10
5.1.7 Reduced functional tests .....	10
5.1.8 Provision for tests .....	10
5.1.9 Test schedule .....	10
5.2 Reproducibility.....	11
5.2.1 Object.....	11
5.2.2 Test procedure .....	11
5.2.3 Requirements .....	11
5.3 Repeatability.....	12
5.3.1 Object.....	12
5.3.2 Test procedure .....	12
5.3.3 Requirements .....	12
5.4 Directional dependence .....	12
5.4.1 Object.....	12
5.4.2 Test procedure .....	12
5.4.3 Requirements .....	12
5.5 Fire sensitivity.....	14
5.5.1 Object.....	14
5.5.2 Test procedure .....	14
5.5.3 Classification.....	14
5.5.4 Requirements .....	16
5.6 Dazzling (operational).....	16
5.6.1 Object.....	16
5.6.2 Test procedure and apparatus .....	16
5.6.3 Requirements .....	17

5.7	Dry heat (operational) .....	17
5.7.1	Object .....	17
5.7.2	Test procedure and apparatus.....	17
5.7.3	Requirements .....	18
5.8	Cold (operational).....	18
5.8.1	Object .....	18
5.8.2	Test procedure and apparatus.....	18
5.8.3	Requirements .....	18
5.9	Damp heat, cyclic (operational) .....	19
5.9.1	Object .....	19
5.9.2	Test procedure and apparatus.....	19
5.9.3	Requirements .....	19
5.10	Damp heat, steady state (endurance) .....	20
5.10.1	Object .....	20
5.10.2	Test procedure and apparatus.....	20
5.10.3	Requirements .....	20
5.11	Sulfur dioxide (SO <sub>2</sub> ) corrosion (endurance) .....	20
5.11.1	Object .....	20
5.11.2	Test procedure and apparatus.....	21
5.11.3	Requirements .....	21
5.12	Shock (operational).....	21
5.12.1	Object .....	21
5.12.2	Test procedure and apparatus.....	21
5.12.3	Requirements .....	22
5.13	Impact (operational).....	22
5.13.1	Object .....	22
5.13.2	Test procedure and apparatus.....	22
5.13.3	Requirements .....	23
5.14	Vibration, sinusoidal, (operational).....	23
5.14.1	Object .....	23
5.14.2	Test procedure and apparatus.....	23
5.14.3	Requirements .....	24
5.15	Vibration, sinusoidal (endurance) .....	24
5.15.1	Object .....	24
5.15.2	Test procedure and apparatus.....	25
5.15.3	Requirements .....	25
5.16	Variation in supply parameters (operational).....	25
5.16.1	Object .....	25
5.16.2	Test procedure .....	26
5.16.3	Requirements .....	26
5.17	Electromagnetic Compatibility (EMC), Immunity tests (operational) .....	26
5.17.1	Object .....	26
5.17.2	Test procedure and apparatus.....	26
5.17.3	Requirements .....	27
6	Marking.....	27
<b>Annexe A (normative) Annex A Apparatus for response point determination .....</b>		<b>28</b>
A.1	Optical bench.....	28
A.2	Radiation source .....	28
A.3	Shutter .....	28
A.4	Modulator .....	29
A.5	Radiometer.....	30
<b>Annexe B (informative) Example of a methane burner .....</b>		<b>31</b>
<b>Annexe C (normative) Test fires .....</b>		<b>33</b>
C.1	Methylated spirit fire .....	33
<b>Annexe D (normative) Apparatus for dazzling test .....</b>		<b>35</b>
<b>Annexe E (normative) Apparatus for impact test.....</b>		<b>37</b>

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According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard : Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Information on the relationship between this European Standard and other standards of the EN 54 series is given in annex A of EN 54-1:1996.

The annexes A, C and D are normative. The annexes B and E are informative.

## **1 Scope**

This European Standard specifies requirements, test methods and performance criteria for point-type, resettable flame detectors that operate using radiation from a flame for use in fire detection systems installed in buildings.

This standard does not cover flame detectors working on different principles from those described in this standard (although the standard may be used as guidance in assessing such products).

## **2 Normative references**

This European 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 European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN 54-1:1996, Fire detection and fire alarm systems — Part 1: Introduction

ISO 209-1, Wrought aluminium and aluminium alloys — Chemical composition and forms of products — Part 1: Chemical composition

IEC 60064, Tungsten filament lamps for domestic and similar general lighting purposes — Performance requirements

IEC 60068-1, Environmental testing — Part 1: General and guidance

IEC 60068-2-1:1990, Environmental testing — Part 2: Tests — Tests A: Cold

IEC 60068-2-2:1974, Basic environmental testing procedures — Part 2: Tests — Tests B: Dry heat

IEC 60068-2-6:1995, Environmental testing — Part 2: Tests — Test Fc: Vibration (sinusoidal)

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