

**Brand och räddning – Branddetekterings- och
brandlarmsystem –
Del 10: Flamdetektorer**

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

Europastandarden EN 54-10:2002/A1:2005 gäller som svensk standard. Detta dokument innehåller den officiella engelska versionen av EN 54-10:2002/A1:2005.

The European Standard EN 54-10:2002/A1:2005 has the status of a Swedish Standard. This document contains the official English version of EN 54-10:2002/A1:2005.

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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.

CEN members are the national standards bodies of 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.



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Contents

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

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.

EN 54-10:2002/A1:2005 (E)

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.

EN 54-10:2002/A1:2005 (E)

Construction product: Flame detectors - Point detectors

Intended use: Fire safety

Table ZA.1 - Relevant clauses

| Essential characteristics | Clauses in this European Standard | Mandated level(s) | Notes |
|---|-----------------------------------|-------------------|-------|
| Nominal activation conditions / Sensitivity, Response delay (response time) and Performance under fire conditions | 4.2, 5.2 to 5.6 | None | |
| Operational reliability | 4.3 to 4.9 | | |
| Tolerance to supply voltage | 5.16 | | |
| Durability of operational reliability and response delay; temperature resistance | 5.7, 5.8 | | |
| Durability of operational reliability; vibration resistance | 5.12 to 5.15 | | |
| Durability of operational reliability; humidity resistance | 5.9, 5.10 | | |
| Durability of operational reliability; corrosion resistance | 5.11 | | |
| Durability of operational reliability; electrical stability | 5.17 | | |

ZA.2 Procedures for the attestation of conformity of point smoke detectors covered by this standard

ZA.2.1 System of attestation of conformity

The mandate requires that the attestation of conformity system to be applied shall be that shown in Table ZA.2.

Table ZA.2 - Attestation of conformity system

| Product | Intended use | Levels or classes | Attestation of conformity system |
|---|--------------|-------------------|----------------------------------|
| Fire detection/Fire alarm: Flame detectors - Point detectors | Fire safety | None | 1 |
| System 1: See CPD Annex III.2.(i), without audit-testing of samples by the notified bodies. | | | |