Loss Prevention Standard

LPS 1282: Issue 1.1

Requirements and testing procedures for combined domestic smoke and carbon monoxide detectors

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PARTICIPATING ORGANISATIONS

This standard was approved by the BRE Global Governing Body.

The following organisations participated in the review of this standard:-

British Property Federation
Association of Insurance Surveyors
ASFP
London Fire Brigade
Risktech Ltd
BAA Plc
Sustainability + Architecture
London Underground
BAFSA
Association of British Insurers
NHBC
RICS
HCA
HBF
Co-op Banking
FIA
RIBA
Sustainable by Design
Lend Lease Ltd
Construction Products Association
Construction Industry Council

REVISION OF LOSS PREVENTION STANDARDS

Loss Prevention Standards will be revised by issue of revised editions or amendments. Details will be posted on our website at www.redbooklive.com

Technical or other changes which affect the requirements for the approval or certification of the product or service will result in a new issue. Minor or administrative changes (e.g. corrections of spelling and typographical errors, changes to address and copyright details, the addition of notes for clarification etc.) may be made as amendments. (See amendments table on page 6)

The issue number will be given in decimal format with the integer part giving the issue number and the fractional part giving the number of amendments (e.g. Issue 3.2 indicates that the document is at Issue 3 with 2 amendments).

USERS OF LOSS PREVENTION STANDARDS SHOULD ENSURE THAT THEY POSSESS THE LATEST ISSUE AND ALL AMENDMENTS.
FOREWORD

This Standard identifies the evaluation and / or testing practices undertaken by LPCB for the purposes of approval and listing of products and services. LPCB listing and approval of products and services is based on evidence acceptable to LPCB:-

- that the product or service meets the standard;
- that the manufacturer or service provider has staff, processes and systems in place to ensure that the product or service delivered meets the standard

and on:-

- periodic audits of the manufacturer or service provider including testing as appropriate;
- compliance with the contract for LPCB listing and approval including agreement to rectify faults as appropriate;

The responsibility for ensuring compliance with the technical and managerial process and requirements for the product or service lies with the manufacturer, service provider or supplier.

This standard has been written to address the absence of a British or European standard to approve combined domestic smoke and carbon monoxide detectors. This standard is based on BS EN 14604:2005 and EN 50291:2001 and calls up most of the clauses contained in these standards. However the requirements of both standards have been changed to make them more suitable for combined domestic smoke and carbon monoxide detectors.

NOTES

Compliance with this LPS does not of itself confer immunity from legal obligations. Users of LPSs should ensure that they possess the latest issue and all amendments.

LPCB welcomes comments of a technical or editorial nature and these should be addressed to “the Technical Director” at enquiries@breglobal.co.uk.

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Listed products and services appear in the LPCB “List of Approved Products and Services” which may be viewed on our website: www.redbooklive.com or by downloading the LPCB Red Book App from the App Store (for iPhone and iPad), from Google Play (for Android devices) or from the Windows Store (for Windows 8 Phones and Tablets from 2014).
1 SCOPE

This standard specifies requirements and testing procedures for the LPCB certification and listing of combined domestic smoke and carbon monoxide (CO) detectors, for use in domestic premises.

This standard is only applicable to combined domestic smoke and CO detectors in which the signals from the smoke and CO sensors act independently to give an alarm signal. For combined domestic smoke and carbon monoxide detectors using enhancement (whereby the signal from one sensor enhances the response of the other) this standard should only be used for guidance.

Combined domestic smoke and carbon monoxide detectors with special characteristics and developed for specific risks are not covered by this standard.

2 DEFINITIONS

For the purposes of this standard, the definitions given in BS EN 14604: 2005 and EN 50291: 2001 apply.

3 REQUIREMENTS

3.1 The detector shall meet all the requirements of all the relevant clauses that are specified in BS EN 14604: 2005 with the additional requirement that the fault indicator, as detailed in 4.3 Mains-on indicator shall only be yellow.

3.2 The detector shall meet all the requirements of all the relevant clauses that are specified in EN 50291: 2001, with the exception of the following clauses:

- 4.6.2 Labelling (part c)- the apparatus shall, instead, be labelled with the number of this LPS standard
- 5.3.17 Degree of protection- the apparatus is not required to meet clause 14 (Tests for protection against water…) of EN 60529: 1991.

NOTE: EN 50291:2001 allows for the use of CO detectors in locations where water may be present. As smoke detectors (and therefore combined CO/smoke detectors) are not suitable for such locations this clause has been excluded.

3.3 The installation instructions shall illustrate the recommended locations of the detectors within domestic premises. The detector shall not be recommended for installation in areas where water ingress is likely to penetrate the housing of the detector e.g. bathroom or kitchen.
4 PUBLICATIONS REFERRED TO:

For undated references please refer to the latest published issue.

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<tr>
<th>Reference number</th>
<th>Publication</th>
<th>Year</th>
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<tbody>
<tr>
<td>1</td>
<td>BS EN 14604</td>
<td>2005</td>
<td>Smoke alarm devices.</td>
</tr>
<tr>
<td>2</td>
<td>EN 50291</td>
<td>2001</td>
<td>Electrical apparatus for the detection of carbon monoxide in domestic premises.</td>
</tr>
<tr>
<td>3</td>
<td>EN 60529</td>
<td>1991</td>
<td>Degrees of protection provided by enclosures (IP code).</td>
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**Amendments Issued Since Publication**

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<th>DOCUMENT NO.</th>
<th>AMENDMENT DETAILS</th>
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| LPS 1282-1.1 | 1. New front cover  
2. Title added to header  
3. Notes amended on Page 3  
4. Repagination  
5. Changes to copyright information | DC        | Jan. 2014 |