

Loss Prevention Standard

LPS 1282: Issue 1.1

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

This Loss Prevention Standard is the property of BRE Global Ltd. and is made publicly available for information purposes only. Its use for testing, assessment, certification or approval must be in accordance with LPCB internal procedures and requires interpretation by BRE Global Ltd, LPCB and BRE experts. Any party wishing to use or reproduce this Loss Prevention Standard to offer testing, assessment, certification or approval must apply to BRE Global for training, assessment and a licence; a fee will normally be charged. BRE Global Ltd. will not unreasonably refuse such applications. BRE Global Ltd. accepts no responsibility for any un-authorised use or distribution by others of this Loss Prevention Standard and may take legal action to prevent such unauthorised use or distribution

Issue 1.1	LOSS PREVENTION STANDARD	LPS 1282
Date: Jan. 2014	Requirements and testing procedures for combined domestic smoke and carbon monoxide detectors	Page 1 of 6

CONTENTS	PAGE
PARTICIPATING ORGANISATIONS	2
REVISION OF LOSS PREVENTION STANDARDS	2
FOREWORD	3
1 SCOPE	4
2 DEFINITIONS	4
3 REQUIREMENTS	4
4 PUBLICATIONS REFERRED TO	5
Table of amendments issued since publication	6

Issue 1.1	LOSS PREVENTION STANDARD	LPS 1282
Date: Jan. 2014	Requirements and testing procedures for combined domestic smoke and carbon monoxide detectors	Page 2 of 6

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.

Issue 1.1	LOSS PREVENTION STANDARD	LPS 1282
Date: Jan. 2014	Requirements and testing procedures for combined domestic smoke and carbon monoxide detectors	Page 3 of 6

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.

The BRE Trust, a registered charity, owns BRE and BRE Global. BRE Global and LPCB (part of BRE Global) test, assess, certificate and list products and services within the fire and security sectors. For further information on our services please contact BRE Global, Watford, Herts. WD25 9XX or e-mail to enquiries@breglobal.co.uk

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).

Issue 1.1	LOSS PREVENTION STANDARD	LPS 1282
Date: Jan. 2014	Requirements and testing procedures for combined domestic smoke and carbon monoxide detectors	Page 4 of 6

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.

Issue 1.1	LOSS PREVENTION STANDARD	LPS 1282
Date: Jan. 2014	Requirements and testing procedures for combined domestic smoke and carbon monoxide detectors	Page 5 of 6

4 PUBLICATIONS REFERRED TO:

For undated references please refer to the latest published issue.

Reference number	Publication	Year	Title
1	BS EN 14604	2005	Smoke alarm devices.
2	EN 50291	2001	Electrical apparatus for the detection of carbon monoxide in domestic premises.
3	EN 60529	1991	Degrees of protection provided by enclosures (IP code).

Issue 1.1	LOSS PREVENTION STANDARD	LPS 1282
Date: Jan. 2014	Requirements and testing procedures for combined domestic smoke and carbon monoxide detectors	Page 6 of 6

Amendments Issued Since Publication

DOCUMENT NO.	AMENDMENT DETAILS	SIGNATURE	DATE
LPS 1282-1.1	<ol style="list-style-type: none"> 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