



BS 5445 : Part 7 : 1984
EN 54 : Part 7

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Components of automatic fire detection systems

Part 7. Specification for point-type smoke detectors using scattered light, transmitted light or ionization

Organes constitutifs des systèmes de détection automatique d'incendie
Partie 7. Détecteurs ponctuels de fumée, fonctionnant suivant le principe de la diffusion de la lumière, de la transmission de la lumière et de l'ionisation

Bestandteile automatischer Brandmeldeanlagen
Teil 7. Punktförmige Rauchmelder, nach dem Streulicht-, Durchlicht-, oder Ionisationsprinzip

British Standards Institution

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National foreword

This Part of BS 5445 has been prepared under the direction of the Fire Standards Committee and is the English language version of European Standard EN 54 'Components of automatic fire detection systems' Part 7 : 1982 'Point type smoke detectors; Detectors using scattered light, transmitted light or ionization' of the European Committee for Standardization (CEN).

This Part of BS 5445 specifies the requirements, methods of test and performance criteria for point-type smoke detectors. Point-type heat detectors are specified in Parts 5 and 8; the components of automatic fire detection systems to be specified in other Parts are described in Part 1. The tests are in the nature of 'type tests' and are not intended as manufacturers' tests to maintain uniformity of quality in production. While they are intended to assess the most important features of the design of automatic fire alarm systems, they cannot remove the necessity for regular inspection and maintenance,

as described in clause 29 of BS 5839 : Part 1 : 1980, which are essential for reliable operation.

It should be noted that the comma has been used as a decimal marker. In British Standards it is current practice to use a full point on the baseline as a decimal marker.

Cross-references. Aluminium alloy conforming to material 2014A condition TF as specified in BS 1470 : 1972 'Specification for wrought aluminium and aluminium alloys for general engineering purposes — plate, sheet and strip', is equivalent to aluminium alloy Al-Cu4SiMg to ISO 209 : 1971 'Composition of wrought products of aluminium and aluminium alloys — Chemical composition (percent)', solution treated and precipitation treated condition (see annex 0).

Compliance with a British Standard does not of itself confer immunity from legal obligations.