Third edition
2018-05

Fire detection and fire alarm systems —

Part 5: Point type heat detectors

Systèmes de détection et d'alarme incendie —

Partie 5: Détecteurs de chaleur ponctuels

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 21, *Equipment for fire protection and fire fighting*, Subcommittee SC 3, *Fire detection and alarm systems*.

This third edition cancels and replaces the second edition (ISO 7240-5:2012), which has been technically revised.

A list of all parts in the ISO 7240 series, published under the general title *Fire detection and fire alarm systems*, can be found on the ISO website.

This edition includes the following significant changes with respect to the previous edition:

— in 5.18 (electromagnetic compatibility immunity tests), EN 50130-4 has been replaced by IEC 62599-2;

— marking has been moved to a new Clause 7;

— data and software requirements have been moved to a new Clause 8.

Introduction

A fire detection and alarm system is required to function satisfactorily not only in the event of a fire, but also during and after exposure to conditions likely to be met in practice such as corrosion, vibration, direct impact, indirect shock and electromagnetic interference. Some tests specified are intended to assess the performance of the heat detectors under such conditions.

The performance of heat detectors is assessed from the results obtained in specific tests. This document is not intended to place any other restrictions on the design and construction of such detectors.