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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB 30122-2013

Self-contained heat detectors

独立式感温火灾探测报警器

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Foreword

The standard Chapter 4, Chapter 6, Chapter 7, Chapter 8 content is mandatory, the rest are recommended. This standard was drafted in accordance with GB/T 1.1-2009 given rules. The reference to the standard ISO 7240-5:2003 "Fire detection and alarm systems - Part 5. Point-type temperature sensitive fire alarm." The standard proposed by the People's Republic of China Ministry of Public Security. This standard by the National Standardization Technical Committee on Fire fire detection and alarm Technical Committee (SAC/TC113/SC6) centralized. This standard is drafted by: Ministry of Public Security Shenyang Fire Research Institute. Participated in the drafting of this standard. Shenzhen Asia Standard Sanjiang Electronics Co., Ltd. The main drafters of this standard. Songxi Wei, Liu Ziwei, Yang Yuqin, Tang Hao, Jinpeng, Liuzuo Li, Wang Yu row, Guo Jinlong, Guan Ming Yang. This standard is the first release. Detached thermal fire detection alarm

1 Scope

GB 30122-2013 is the Chinese national standard on self-contained heat detectors, in the field of environment and health protection, safety. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 17 December 2013 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 14 December 2014. Classification: ICS 13.220.20, CCS C81. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the stand-alone thermal fire detection alarm classification, requirements, testing, inspection rules, signs and instructions. This standard applies to

industrial and civil buildings to install stand-alone thermal fire detection alarms. Other special installation environments And stand-alone heat fire with special properties detectors, in addition to special requirements, may refer to this standard.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 9969 General Instructions industrial products

GB 12978 fire electronic products inspection rules

GB 16838 fire electronic products environment test methods and severities

GB/T 17626.2 Electromagnetic compatibility Testing and measurement techniques - Electrostatic discharge immunity test

GB/T 17626.3 electromagnetic compatibility test and measurement technology RFEMS test

GB 23757 fire protection requirements for electronic products Category 3

3.1 Detached thermal fire detection alarm (hereinafter referred to as alarm) according to work can be divided into.

- a) single-point alarm;
- b) interconnection type alarm.

3.2 by Typical application temperature can be divided into.

- a) Normal temperature alarm, indicated by the letter A;
- b) high temperature alarm, with the letter B.

3.3 Press temperature response performance can be divided into.

4 Requirements

4.1 General Detached thermal fire detection alarm should first meet the requirements of Chapter 4, and then press the relevant provisions of Chapter 5 were tested and meet Test requirements.

4.2 Functional requirements

4.2.1 Alarm temperature response performance should meet the requirements of Table 1.
 Table 1 alarm temperature response performance degrees Celsius Alarm category Typical
 application temperature maximum application temperature upper limit temperature
 operation temperature limit action A 25 50 54 65 B 40 65 69 85

4.2.2 When the fire monitoring area, the temperature parameter reaches a predetermined value, the alarm should also issue a fire alarm sound and light signals. 3m far away from the alarm, a fire alarm signal sound pressure level should be between the (A-weighted) at 45dB ~ 75dB, and should be increased gradually Party Formula, the initial sound pressure level should not exceed 45dB; in front of the alarm at 6m, illuminance 500lx not exceed the environmental conditions, the optical signal It should be clearly visible.

4.2.3 Each alarm fire alarm acknowledgment shall have a red light, the fire alarm by the alarm confirmation light show other working conditions, is considerably It shows the state should be a clear distinction between the status of the fire alarm. Alarm system having a plurality of LEDs, the color of the indicator should be identified. Operation means Indicator should be green, fault indicator should be yellow.

4.2.4 alarm should have self-test function, alarm fire alarm sound and light signal should be emitted when the self-test.

4.2.5 silencer with alarm function alarm, silencing period should be less than 100s.

4.2.6 For network-type alarm, when the first alarm only emits a fire alarm signal shall be given fire alarm sound and light signals, even with its Other connected alarm (can detect alarm independent smoke) should send out a fire alarm signal. Alarm silencing should Movies Its ring of interconnected alarm alarm.

4.2.7 alarm powered by an internal battery, in addition to the battery, the alarm via the user should not have to replace them or repair components, when the battery is removed When there should be clear warning signs.

4.2.8 alarm may have a remote display and other auxiliary equipment for communication functions, but alarm occurs with these devices off cable Line, should not affect the performance of a short-circuit fault alarm fire detection.

4.2.9 Alarm from the structural design should be its internal temperature sensing elements (except elements of auxiliary functions) and the mounting surface is not less than 15mm.

4.2.10 In the process of installation and should not in any way change the alarm factory settings.

4.2.11 alarm internal battery capacity should be able to ensure the normal operation of the alarm to maintain less than 1 year; it detects the battery capacity will either When full, the fire alarm should be issued with a clear distinction between the acoustic signals sound signal fault; fault sound signal at least within 7d continuously every minute Few tips 1, after which the alarm should be able to send out a fire alarm signal, and the fire alarm signal should last at least 4min.

4.2.12 The alarm may be provided to prevent reverse polarity battery of measures, battery reverse polarity measures did not prevent the alarm, battery Reverse polarity should be