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

CJ/T 347-2010

Replacing CJ/T 3057-1996

Household combustible gas alarms and sensor

家用燃气报警器及传感器

(English Translation)

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Foreword

This standard replaces CJ 3057-1996 "household gas leak alarm." this standard is the revision of CJ 3057-1996, compared with the standard CJ 3057-1996, the main technical changes are as follows.

- Increase the incomplete combustion alarm and composite alarm requirements;
- Increasing the radiation electromagnetic field, electrostatic discharge, electrical transient pulse test;
- Increased anti-gas interference performance;
- Increased gas resistance;

- Increased anti-silicon poisoning performance.
- Increased high concentration of durability;
- Increased with silencer function silencer function test;
- Increased use of the battery alarm low voltage performance test;
- Modify the shell flame retardant;
- Modify the response time;
- Modify the power supply voltage fluctuation test;
- Modify the resistance to environmental performance;
- Modify the long-term stability test;
- Modify the short-term stability test;
- Modify the vibration and drop test;
- Remove the circuit board clearance test.

This standard Appendix A and Appendix B are normative appendix.

This standard proposed by the Ministry of Housing and Urban Standard and Design Institute.

This standard by the Ministry of Housing and Urban-township gas standard technical focal points centralized.

This standard was drafted. North China Municipal Engineering Design and Research Institute, Tianjin Figaro Electronics Co., Ltd., Tianjin Puhai new technology Co., Ltd., Qingdao Economic and Technological Development Zone Haier Water Heater Co., Ltd., Nanjing AO Smith (China) Water Heater Co., Ltd. Sakura Kitchen (China) Co., Ltd., Midea Group Co., Ltd., Zhuzhou South Valve Co., Ltd.

1 Scope

This standard specifies the domestic gas alarm and sensor requirements, test methods, inspection rules, signs, packaging, transportation and storage.

This standard applies to the detection of gas leaks and detection of incomplete combustion of gas produced by carbon monoxide home gas alarm and sensor.

2 Normative references

The terms in the following documents become the subject of this standard by reference to this standard. For dated references, all subsequent ones Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to reach

an agreement in accordance with this standard research is no The latest versions of these files are available. For undated references, the latest version applies to this standard.

Casting copper alloys - Technical conditions GB/T 1176-1987 Plastics - Determination of combustion behavior by oxygen index method - Part 2. Room temperature test GB/T 2828.1 Sampling procedures for inspection - Part 1. Batch inspection sampling plan by acceptance quality limit (AQL) (GB/T 2828.1-2003, ISO 2859-1.:1999, IDT) GB 15322.2-2003 combustible gas detectors Part 2. Measuring range of 0 ~ 100% LEL independent flammable gas exploration Detector

3 Terms and definitions

The following terms and definitions apply to this standard.

Combination alarm with gas leak alarm, at the same time with incomplete combustion alarm gas alarm function.

Sensor detection module sensortestmodule Used to convert sensor characteristics into a test device with a binary output signal.

4.1.1 Code

- a) Gas category code. R-Artificial gas, Y-LPG, T-natural gas, C-incomplete combustion.
- b) Output signal type code. K-switch output, V-voltage output, F-pulse output, T-other.

4.1.2 Model preparation

Alarm (B)

Gas category code

Output signal type code (Pinyin letters) Factory Design Serial Number (Arabic letters)

4.1.3 Example

Example 1. "BTC-K1" means natural gas and incomplete combustion compound alarm with output switch, first design and finalization.

Example 2. "BY-V1" said liquefied petroleum gas alarm, with voltage output, the first design stereotypes.