

ICS 13.310
CCS A 91



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

GB/T 31132-2014

**Intrusion alarm systems -- Technical requirements for
interconnection of equipment using radio frequency**

入侵报警系统 无线（射频）设备互联技术要求

(English Translation)

Issued on: September 3, 2014

Implemented on: February 1, 2015

Issued by: Standardization Administration of China

Table of Contents

Introduction
1 Scope
2 Normative references
3 Terms and definitions, abbreviations
4 3 Technical requirements
5 Test methods
12 6 Inspection Rules
Appendix A (normative) Security Level
Annex B (informative) Signal Strength
Annex C (normative) interfere with the test configuration
Annex D (normative) receiving equipment universal test configuration
Appendix E (normative) transmitting device test configuration
Annex F (normative) information intentionally alternative calculation
Annex G (normative) interference detection test configuration
Annex H (normative) interference timing diagram

Foreword

This standard was drafted in accordance with GB/T 1.1-2009 given rules.

This standard uses the redrafted law revision adopted IEC 62642-5-3:2010 "anti-robbery alarm system and intrusion systems - Part 5-3.

Wireless (RF) devices connected technical requirements "(in English).

This standard and IEC 62642-5-3:2010 technical differences and the reasons are as follows.

--- To make the standard more clearly the scope of IEC 62642-5-3:2010 Chapter 1 has been modified;

--- Taking into account the current situation of the wireless alarm products, the RF link monitoring requirements, and interference detection antenna required safety class 1 reduced requirements;

--- Increased 4.1 Chapter 4 "frequency requirements";

--- 4.4.1 adds "device identification code number," 4.5.1 "General immunity test

requirements" and 4.6.1 "radio frequency link to detect common begging";

--- Increased in Chapter 5, 5.1.2 "test frequency requirements";

--- Increased Chapter 6, "Inspection Rules";

--- Added Appendix A "security level." this standard by the National Security Alarm System Standardization Technical Committee (SAC/TC100) and focal points.

Drafting of this standard. National Security Alarm System Product Quality Supervision and Inspection Center (Shanghai), Guangdong home Digital Technology Co., Ltd., Quanzhou Fergus Technology Electronics Co., Honeywell Security (China) Co., Ltd., Luoyang CMG Electronics Co., Secretary, National Security Alarm System Product Quality Supervision and Inspection Center (Beijing).

1 Scope

This standard specifies the wireless intrusion alarm in the field of terminology, definitions, technical requirements, test methods and inspection rules.

This standard applies to the use of wireless (RF) technology to transmit an alarm signal interconnect intrusion alarm device within the protected area.

This standard does not apply to long-distance transmission of wireless intrusion alarm equipment.

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.

IEC 62642-1 intrusion alarm systems and anti-robbery systems - Part 1. System requirements (Alarmsystems-Intrusionand hold-upsystems-Part 1. Systemrequirements)

3.1 Terms and Definitions

The following terms and definitions apply to this document.

3.1.1

Alarm information alarmmessage Transfer intrusion information vandalism, equipment failure alarm content.

3.1.2

Use of the band assignedband Alarms work approved use of the band.

3.1.3

Attenuation After the system is installed, run, wireless signal transmission environment degradation caused by changes (for example, new obstacles appear, space Change the layout, and the reflection and absorption signals).

3.1.4

Conflict colision

The same system of two or more radio communication apparatuses simultaneously transmit radio frequency signals caused to be lost or damaged.

3.1.5

Collision rate colisionrate Conflict probability of occurrence.

3.1.6

Communication link all local transmission equipment, media and protocol information used.