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CCS C81



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

GB 17429-2011

Fire indicating panel

火灾显示盘

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Foreword

The standard Chapter 3, Chapter 5, Chapter 6, are mandatory, the rest are recommended. This standard was drafted in accordance with GB/T 1.1-2009 given rules. This standard replaces GB 17429-1998 "fire display panel General technical conditions." This standard compared with GB 17429-1998, the main changes are as follows:

--- Original standard basic function test broken fire alarm display function test, the fault display function test, supervision alarm display function Can test, self-test function tests, information display and query functions and power test function tests (see 4.2, 1998 version 4.3.);

--- Increased leakage current test, conducted disturbances induced by radio-frequency fields immunity test, surge (impact) immunity test, voltage sag, Short interruptions and voltage variations immunity tests, vibration (sinusoidal) (endurance) test and other test items (see 4.4, 4.7, 4.10,

--- Delete the current test, high temperature test, impact test and low temperature storage test (the 1998 edition 4.4, 4.12,

--- Increased the use of the specification and testing requirements of the rules (see 3.5 and 5). Please note that some of the content of this document may involve patents. Release mechanism of the present document does not assume responsibility for the identification of these patents. 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. The main drafters of this standard. Wang Yane, with Rui Tao, Xie Feng, Wang Yu-line, Li Xiaobai, Guo Jinlong, Li Huijing, Yan Ru. This standard replaces the standards previously issued as follows:

--- GB 17429-1998. Fire Display Panels

1 Scope

GB 17429-2011 is the Chinese national standard on fire indicating panel, 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 29 July 2011 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 1 January 2012. 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 requirements for fire display panel, testing, inspection rules and signs. This standard applies to general industrial and civil buildings installation of fire display panel, installed in other environments with special properties Fire Display Panels, except as otherwise provided by the special requirements of the relevant standards, with reference to the implementation of 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 156 standard voltage Part 1

GB 4706.1 Safety of household and similar electrical appliances. General requirements

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/T 17626.4 Electromagnetic compatibility Testing and measurement techniques - Electrical fast transient burst immunity test

GB/T 17626.5 electromagnetic compatibility test and measurement technology surge (impact) immunity test

GB/T 17626.6 Electromagnetic compatibility Testing and measurement techniques Immunity to conducted disturbances induced field

GB/T 17626.11 Electromagnetic compatibility Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests

3 Requirements

3.1 General Fire Display Panels shall comply with the relevant requirements of this chapter, according to the provisions of Chapter 4 were tested to confirm compliance to the requirements of this chapter.

3.2 overall performance

3.2.1 fire display panel can be used as the main power supply 220V, 50Hz AC power supply can also be used directly or eliminate fire alarm controller Anti-DC power supply device power output, the power supply line input terminals should be located.

3.2.2 fire display panel using the main power supply is 220V, 50Hz AC power supply, it should be equipped with backup power.

3.2.3 Fire Display Panels directly from the fire alarm controllers or fire-fighting equipment supply output DC power supply, DC voltage should be consistent Provisions of GB 156, priorities DC 24V.

3.2.4 Fire Display Panels should power the other components.

3.2.5 fire display panel should not have control other components.

3.2.6 fire display panel buttons and lights should have Chinese features labeled.

3.2.7 fire display panel when using the text display information, should use Chinese display.

3.3.1 Fire alarm display Fire alarm signal

3.3.1.1 fire display panel should be able to receive fire alarm controller connected thereto issued and fire alarm control Fire alarm signal shall be able to manually; send out a fire alarm sound and light signals within 3s after a fire alarm signal emitted by the display of fire site Eliminate, and then when there is a fire alarm signal input, should start again; fire alarm signal light should be kept to the fire alarm controller reset.

3.3.1.2 When the fire alarm signal received is a manual fire alarm button alarm fire display panel should be able to show that the fire alarm signal Number of manual fire alarm button alarm.

3.3.1.3 fire display panel should always have special fire lights, fire display panel is in fire alarm state, the LED should light up.

3.3.1.4 fire display panel should be able to show all fire alarms within its set area-wide information. Fire alarm signal using the display At rest, such as fire alarm can not display all the information should be displayed first fire alarm, fire alarm information should be able to follow the manual to be investigated, Each time a query manually, only the query part of a fire alarm and related information, inquiries end within 1min, should automatically return to