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

GB 29364-2012

Indicating and control unit for fire resistant doorsets

防火门监控器

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Foreword

This standard Chapter 4,6,7 content is mandatory, the rest are recommended. This standard was drafted in accordance with rules GB/T 1.1-2009 given. Please note that some of the content of this document may involve patents. The issuing authority of this document does not assume responsibility to identify these patents. The standard proposed by the People's Republic of China Ministry of Public Security. By the standards of the National Fire Protection fire detection and alarm Technical Committee of Standardization Technical Committee (SAC/TC113/SC6) centralized. This standard is drafted. Shenyang Fire Research Institute Ministry of Public Security. The main drafters. Ding Hongjun, Ma Hang, Zhang Ying Cong Luan military, Yan Ru, Ding Wanjun, Llewelyn, Xie Feng, Shao Yu. This standard is the first release. Fire Door Monitor

1 Scope

GB 29364-2012 is the Chinese national standard on indicating and control unit for fire resistant doorsets, 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 31 December 2012 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 July 2013. 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 terms and definitions monitor fire doors, requirements, testing, inspection rules, signs and instructions for use. This standard is applicable to general industrial and civil buildings Fire doors monitor use, installed in other environments may monitor parameters According to this standard.

2 Normative references

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

GB/T 9969 General Industrial Product Manual

GB 12978 Fire electronic products inspection rules

GB 16838 fire electronic product environmental test methods and severities

GB/T 17626.2 Electromagnetic compatibility testing and measurement techniques electrostatic discharge immunity test

GB/T 17626.3 Electromagnetic compatibility testing and measurement techniques RFEMS Test

GB/T 17626.4 Electromagnetic compatibility testing and measurement techniques Electrical fast transient burst immunity test

GB/T 17626.5 Electromagnetic compatibility testing and measurement techniques surge (impact) immunity test

GB/T 17626.6 Electromagnetic compatibility testing and measurement techniques conducted disturbances, induced fields Immunity

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

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 For displaying and controlling fire door open, close control of the device state (hereinafter referred to as "monitor").

3.2 Fire door closers electric electric closer for fire resistant door sets It can be in the open state after the receipt of a command to close the fire door, and its state information feedback to monitor the electric fire door installed Means (hereinafter referred to as "electric door closers").

3.3 Fire doors electromagnetic release
electromagnetic release device for fire resistant door sets The normally open fire doors remains open, releasing fire door to be closed after receiving the instruction, and feeds back the status information to the monitor itself An electric apparatus (hereinafter, referred to as "release").

3.4 Magnetic switch fire door magnetic contact for fire resistant door sets For monitoring the fire door open or closed state, and means which can fire door state information to the monitor (hereinafter referred to as "tamper switch").

3.5 Fire doors fault condition abnormal states of fire resistant door sets Fire door open state in a non-normal or abnormal closed state.

4 Requirements

4.1 Appearance The appearance of the monitor should meet the following requirements.

a) text, symbols and signs clear and complete;

- b) the sample surface without etching, coating loss and blistering, no scratches, cracks, burrs and other mechanical damage;
- c) fastening parts without loosening.

4.2 Main component performance

4.2.1 General requirements Member monitor styling products should meet the relevant standards, and should meet the requirements of 4.2.2 - 4.2.6.

4.2.2 Indicators, displays

4.2.2.1 should start signal is indicated in red, and the door release electric feedback signal of the operation signal and the door sensor; yellow indicator Fault, self-test status; Green indicates power operating state and the release of the feedback signal.

4.2.2.2 Indicator, the Chinese display function should be clearly marked. 4.2.2.3 100lx ~ 500lx under ambient light conditions in front of the 22.5 ° angle range, and a power status indicator should display At 3m clearly visible; the other indicator display displays the character should be legible in at 0.8m.

4.2.2.4 using flash mode indicator display each lighting time of not less than 0.25s, which is not less than flicker frequency of 1Hz.

4.2.2.5 When a lamp using the same, the display state of the display of the exact location, should be clear and legible.

4.2.2.6 character in ambient light conditions 100lx ~ 500lx, the display should be displayed in the front viewing angle 22.5 °, 0.8m at Readable.

4.2.3 Fuse Rated current of the fuse or other overcurrent protection device of the power line should not exceed 2 times the maximum working current of the monitor; when It is greater than the maximum operating current. 6A, the current value of the fuse preferably

1.5 times, and should be close to the fuse or other overcurrent protection device and cleared by Chu marked its parameter values.

4.2.4 Terminals On each of the terminals should clearly and firmly its number or symbol label, use shall be stated in the respective relevant documents. And standby power charger
4.2.5

4.2.5.1 charger current should not exceed the rated power backup battery manufacturers specified.

4.2.5.2 backup power source connected to the positive lead red, black or blue extremely negative.

4.2.6 switches and buttons Key or switch and a position near the Chinese application