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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

中华人民共和国国家标准

GB 50116-1998

Code for design of automatic fire alarm system

火灾自动报警系统设计规范 GB50116-1998

Prepared by: Ministry of Public Security of the People's Republic of China Approved by: Ministry of Construction of the People's Republic of China

Implemented as of: June 1, 1999

NOTICE

This code is written in Chinese and English. The Chinese text shall be taken as the ruling one in the event of any inconsistency between the Chinese text and the English text.

Notice on Issuance of National Standard

"Code for Design of Automatic Fire Alarm System"

Jianbiao No.[1998J 245

As required by the "Plan for Preparation and Revision of Standards and Quotas for Construction Projects in 1994" from the State Planning Commission (Appendix 9 to document Ji Zonghe No. [1994] 240), the "Code for Design of Automatic Fire Alarm System'1 has been revised by the Ministry of Public Security jointly with departments concerned, and been jointly reviewed by relevant departments, it is hereby approved that "Code for Design of Automatic Fire Alarm System" GB50116-98 be implemented as of June 1, 1999 as a compulsory national standard. The former "Code for Design of Automatic Fire Alarm System" GB116-88 shall be ceased and scrapped as of the same date.

This specification shall be governed by the Ministry of Public Security, be interpreted in detail by Shenyang Fire control Scientific Research institute of the Ministry of Public Security, and be published and distributed by the China Planning Publication House as organized by the Standard Quota Research Institute of the Ministry of Construction.

Ministry of Construction of the People's Republic of China December 7, 1998

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1 General Provisions

1.0.1 This specification has been formulated for the purpose to design automatic fire alarm systems in a reasonable manner, to prevent and reduce the fire hazard, and to protect the safety of people and properties.

1.0.2 This specification is applicable to the automatic tire alarm systems provided in the industrial and civilian buildings, but does not apply to the automatic fire alarm systems provided in locations fur production and for storing gunpowder, dynamite, ammunition and firing articles.

1.0.3 The design of automatic tire alarm systems must follow the relevant policies of the state, be aimed at the characteristics of the objects to be protected, and be safe and practical, economic, adopting advanced technologies and in a reasonable structure.

1.0.4 The design of automatic fire alarm systems shall, in addition to the implementation of this specification, comply with the stipulations in the relevant compulsory national standards and specifications currently in force.

2 Terminology

2.0.1 Alarm zone

The unit of the guarding scope of the automatic fire alarm system as being divided according to the fire prevention zoning or floor

2.0.2 Detection zone

The unit of an alarm zone as being divided according to the location for fire detection

2.0.3 Monitoring area

The effective detecting area of one fire detector

2.0.4 Spacing

The horizontal distance between the centers of two adjacent fire detectors

2.0.5 Monitoring radius

The maximum horizontal distance in one direction that can be effectively covered by one fire detector

2.0.6 Local alarm system

A automatic fire alarm system with simple functions consisting of the local fire alarm controllers and the tire detectors, or of the fire alarm controllers and tire detectors.



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