

NATIONAL STANDARD  
OF THE PEOPLE'S REPUBLIC OF CHINA

中华人民共和国国家标准

Code for Installation and Acceptance  
of Fire Alarm System

**火灾自动报警系统施工及验收规范**

**GB 50166—2007**

Chief Development Department: Ministry of Public Security of the People's Republic of China

Approval Department: Ministry of Construction of the People's Republic of China

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## Introduction

This version is one of China's engineering construction standards in English series, which, in compliance with the relevant procedures and stipulations, has been organized to translate by China Association for Engineering Construction Standardization (CECS) authorized by Ministry of Housing and Urban-Rural Development (MOHURD) of the People's Republic of China. On December 4, 2008, MOHURD published it by means of Announcement of No. 177.

The English version has been translated directly from the Chinese Standard "Code for Installation and Acceptance of Fire Alarm System" GB 50166—2007 published by China Planning Press. The copyright is owned by MOHURD. In the event of any discrepancy in the process of implementation, the Chinese version shall prevail.

Many thanks should go to the staff from the relevant standard development organizations and groups who have provided practical assistance through their hard work.

For the sake of improving its quality, any kind of constructive criticism, comments and suggestions in association with this version is welcome. It would be greatly appreciated if they could be fed back to CECS.

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of the People's Republic of China

# **Announcement of Ministry of Construction of the People's Republic of China**

JB No. 733

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## **Announcement of Ministry of Construction Concerning the Issue of the National Standard “Code for Installation and Acceptance of Fire Alarm System”**

It is hereby approved that the provisions of GB 50166—2007 “Code for Installation and Acceptance of Fire Alarm System” will be implemented on March 1, 2008. Among these provisions, article 1.0.3、2.1.5、2.1.8、2.2.1、2.2.2、3.2.4、5.1.1、5.1.3、5.1.4、5.1.5 and 5.1.7 are compulsory and must be enforced strictly. The original provisions of “Code for Installation and Acceptance of Fire Alarm System” GB 50166—92 shall be abolished simultaneously.

The code is published by China Planning press with entrust of Research Institute of Standards & Norms of the Ministry of Construction.

Ministry of Construction of the People's Republic of China

October 23, 2007

## Foreword

Shenyang Fire Research Institute, in conjunction with appropriate organizations revised this code based upon GB 50166—92 “Code for Installation and Acceptance of Fire Alarm System” according to the requirement of the document [1999] No. 15 issued by the Ministry of Construction.

During the revision, the code committee investigated and studied extensively, had monographic discussions, summarized and absorbed experiences and advanced technologies of code for installation and acceptance of fire alarm system, consulted with some organizations related to design, supervision, installation, production and fire supervision of fire alarm products and took reference to some relevant international standards and recognized codes and standards used in other countries. This code was finalized after extensive consultation with related organizations and discussions and amendments.

The partial revision of the code is based on the problems encountered in the engineering practice. Some technical requirements related to installation, adjustment and acceptance of system parts have been renewed and improved. Requirements for the construction and acceptance of aspirating smoke and fire detectors have been added. Technical requirements that are not consistent with those in “Code for Design of Automatic Fire Alarm System” GB 50116—98 have been revised. The part that regulates system operation in “Code for Installation and Acceptance of Fire Alarm System” GB 50166—92 has been changed into system operation and maintenance so as to strengthen the maintenance and use of the system. The responsibilities and working procedures of installation and supervision organizations have been nailed down. Several kinds of forms needed in the installation and acceptance of the project have been added or revised.

The provisions printed in bold type are compulsory ones and must be enforced strictly.

The Ministry of construction is responsible for administration of the Code and the explanation of its compulsory articles, while the Fire Bureau of MPS is responsible for its daily management and Shenyang Fire Research Institute of MPS is responsible for the explanation of specific technical contents of this code. All relevant organizations are kindly required to sum up and accumulate your experiences in actual practices during the process of implementing this code. The relevant opinions and advice, whenever necessary, can be posted or passed on to the national committee of the code at Shenyang Fire Research Institute of MPS (218—20Jia, Wen, Da Road, Huanggu District,

Shengyang city, Liaoning province. 110034) for future reference.

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## **1 General Provisions**

**1.0.1** This code is formulated with a view to secure the installation quality and function of automatic fire alarm system, to prevent and reduce fire hazard and protect safety of life and property.

**1.0.2** This code is applicable to the automatic fire alarm systems provided in the industrial and civil buildings, but is not applicable to the automatic fire alarm systems provided in locale for production and storage of gunpowder, dynamite, ammunition and initiating explosive devices.

**1.0.3 Before the delivery of the automatic fire alarm system, it shall pass the acceptance procedure.**

**1.0.4** The installation and acceptance of automatic fire alarm systems shall comply with not only the requirements stipulated in this code but also those in the current relevant ones of the nation.



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