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

GB 19880-2024

Replacing GB 19880-2005

Manual fire call points

手动火灾报警按钮

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part

1. Structure and drafting rules for standardization documents" Drafting. This document replaces GB 19880-2005 "Manual fire alarm button". Compared with GB 19880-2005, except for structural adjustments and editorial In addition to the modifications, the main

technical changes are as follows:

- a) Added terms and definitions (see Chapter 3);
- b) Added classification (see Chapter 4);
- c) Changed the structural requirements (see 5.2.2, 3.7 of the.2005 edition);
- d) The size requirements have been changed (see 5.2.3, 3.7.2.2 of the.2005 edition);
- e) The requirements for graphic symbols and text have been changed (see 5.2.5, 3.7.3 of the.2005 edition);
- f) Added alarm function requirements (see 5.4.1);
- g) Added the requirements for the operating component recovery function (see 5.4.2);
- h) Added reset function requirements (see 5.4.3);
- i) Added salt spray test performance requirements (see 5.6.1);

1 Scope

GB 19880-2024 is the Chinese product standard for manual fire call points, the break-glass and press-here units on the wall by every exit. They are the simplest device in a fire alarm system and one of the most regulated, because they are the only part of it a member of the public operates, and because a false alarm from a badly designed one costs an evacuation. The standard is mandatory and it is the basis of the CCC certification the product needs. It sets the classification and the requirements: on the operation, the force required and the indication that the point has been operated, on the resettability and the means of resetting, on the marking and the legibility of the instruction, on the electrical requirements and the signals sent to the control panel including the addressable case, on the enclosure and its degree of protection, on the mechanical strength and the impact resistance, on the resistance to heat, cold, humidity, corrosion and vibration, and on the electromagnetic compatibility, together with the test methods and the inspection rules. The 2024 edition replaces GB 19880-2005.

This document specifies the classification, requirements, inspection rules, marking and instructions for use of manual fire alarm buttons, and describes the corresponding tests method. This document applies to the design, manufacture and inspection of manual fire alarm pushbutton products used in industrial and civil buildings.

2 Normative references

The contents of the following documents constitute essential clauses of this document through normative references in this document. For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to This document. GB (T) 3836 (all parts) Explosive atmospheres

GB/T 4208-2017 Enclosure protection degree (IP code)

GB/T 9969 General principles for instructions for use of industrial products

GB 12978 Inspection Rules for Fire Protection Electronic Products

GB/T 16838 Environmental test methods and severity levels for fire protection electronic products

GB/T 17626.2 Electromagnetic compatibility test and measurement technology
Electrostatic discharge immunity test

GB/T 17626.3 Electromagnetic compatibility test and measurement technology Part

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 Manual fire alarm buttonsmanualfirecalpoints A trigger device for manually sending out a fire alarm signal.

3.2 Manual fire alarm button works at rated voltage, operating components and starting parts are not in action, and there is no alarm or fault signal. state.

3.3 Alarm status alarmcondition The state of the manual fire alarm button's operating components and starting parts after a fire alarm signal is issued.

3.4 Front panel The area visible from the front of the manual fire alarm button excluding the operating panel.