

ICS 13.310
CCS A 91



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

GB 10408.3-2000

**Detectors for intruder alarm systems. Part 3: Microwave doppler
detectors for use in building
(English Translation)**

Issued on: October 17, 2000

Implemented on: June 1, 2001

Issued by: China State Bureau of Quality and Technical Supervision

Table of Contents

Foreword	3
IEC Foreword	4
1 Scope	5
2 Normative references	5
3 Definitions	6
4 General considerations	6
5 Technical requirements	7
6 Test procedures	9

1 Scope

This Standard gives the specific requirements and test procedures for microwave Doppler detectors for use in intruder alarm systems installed in buildings.

This Standard is an addition to the general requirements for detectors for use in intruder alarm systems as specified in GB 10408.1 Detectors for intruder alarm systems - Part 1. Requirements for detectors - General, and it shall also be used in conjunction with the standard for General requirements for alarm system, IEC Publication 839-1-1.

The object of this Standard is to specify those requirements for microwave

Doppler detectors which will ensure that they will perform satisfactorily and minimize false alarms.

2 Normative references

The following standards contain the provisions which, through reference in this

Standard, constitute the provisions of this Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below.

GB 10408.1-2000 Detectors for intruder alarm systems - Part 1.

Requirements for detectors - General [idt IEC 839-2-2.1987]

IEC 68-1.1988 Environmental testing - Part 1. General and guidance

IEC 839-1-1.1988 Alarm systems - Part 1. General requirements, Section

One - General

IEC 839-1-3.1988 Section Three - Environmental testing

The tests may be carried out at any range within the range adjustment of the detector. The range control shall not be altered during the environmental tests.

The reference target shall move towards the detector from directly in front of the detector beyond the adjusted range at a speed of approximately 1 m/s. The distance from the detector when an alarm condition occurs shall be measure and recorded.

The distance from the detector where an alarm condition occurs after each environmental test shall not vary by more than 10% of the initial distance.

The tests may be simulated provided that it can be shown that the simulation gives the same results as the test procedure described.

For the following tests the detector shall be set for maximum stated range.

- electrical spikes;
- electrostatic discharge;
- electromagnetic fields.

GB 16796-2022 | GB 15210-2018 | GB 8108-2014 | GB 10408-2025 |