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

GA/T 1372-2017

Technical requirements for VLF inductive intrusion detectors

甚低频感应入侵探测器技术要求

(English Translation)

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Foreword

This standard is drafted in accordance with the rules given in GB/T 1.1-2009.

1 Scope

This standard specifies the terms and definitions of very low frequency sensing intrusion detectors, product classification, technical requirements, test methods, inspection rules, production Specifications, labeling, packaging, transportation and storage requirements.

This standard is applicable to the design, manufacture and inspection of very low frequency induction intrusion detectors.

2 Normative reference documents

The following documents are indispensable for the application of this document. For dated references, only the dated edition applies to this article Pieces. For undated references, the latest edition (including all modifications) applies to this document.

GB/T 2828.1-2012 Count Sampling Inspection Procedures Part 1. Batch Inspection Sampling by Reception Quality Limit (AQL) plan GB/T 2829-2002 Periodic inspection count Sampling procedures and tables (for inspection of process stability) GB 4208-2008 enclosure protection class (IP code) General specification for microcomputers GB/T 9813-2000 Reliability test of electronic measuring instruments GB/T General technical requirements for burglar alarm controllers GB 12663-2001 Safety and safety equipment - Environmental suitability requirements and test methods GB/T 15211-2013 Safety precautions - Safety equipment - Safety requirements and test methods GB/T GB/T 30148-2013 Safety and alarm equipment - Electromagnetic compatibility immunity requirements and test methods

3 Terms and definitions

The following terms and definitions apply to this document.

Very low frequency (VLF) Frequency range of 3kHz ~ 30kHz electromagnetic waves.

Very low frequency sensing sensor VLFinductivesensor A set of sensing elements that are relatively parallel to the excitation conductor and the inductive conductor and operate in the very low frequency band.

Very Low Frequency Induction Intrusion Detector VLFinductiveintrusiondetector by the very low frequency sensor, the signal processor, can be induced by the movement of the human body caused by changes in the electric field alarm signal Device.

Detection range detectingscope Capable of sensing a region of very low frequency electric field variation within 360 ° of the axial direction of the excitation conductor.