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

GB/T 28847.2-2012

Building automation and control systems -- Part 2: Hardware

建筑自动化和控制系统 第2部分：硬件

(English Translation)

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Table of Contents

Preface
1 Scope
2 Normative references
3 Terms and definitions
4 Abbreviations
5 2 System Architecture
5.1 System Architecture schematic
5.2 Hardware
4 Basic requirements 5.3 Hardware
6 Management device
6.1 Functional requirements
6.2 Equipment requirements
7 The control device
7.1 Functional requirements
7.2 Equipment requirements
8 Field execution device
8.1 Functional requirements
8.2 Device Requirements
9 Network Equipment
9.1 Functional requirements
9.2 Device Requirements
10 Cable
10.1 Functional requirements
10.2 Equipment requirements

Foreword

GB/T 28847 "Building automation and control system" is divided into seven parts.

--- Part 1. General;

--- Part 2. Hardware;

--- Part 3. Function;

- Part 4. Applications;
- Part 5. Data communication protocols;
- Part 6. Data communication conformance testing;
- Part 7. project implementation.

This section GB/T Part of 228,847.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This section uses redrafted reference method ISO 16484-2:2004 "Building automation and control systems - Part 2. Hardware" preparation, and ISO 16484-2:2004 is non-equivalent.

This part is proposed by the Ministry of Housing and Urban-Rural Development.

This part of the National intelligent buildings and residential areas digital Standardization Technical Committee (SAC/TC426) centralized.

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1 Scope

This section GB/T 28847 specifies the building automation and control systems, system architecture, management, equipment, control equipment, perform site Equipment, network equipment, cables, engineering and debugging tools and other technical requirements.

This section applies to hardware-defined building automation and control system design and implementation.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 2423.43 Environmental testing for electric and electronic products - Part 2. vibration, impact and similar dynamic tests like Test Method Installation products GB 3096 acoustic environment quality standards GB 3836.1 explosive atmospheres - Part 1. General requirements for equipment GB 4208 housing protection (IP Code) GB 4343.1

electromagnetic appliances, electric tools and similar apparatus compatible with the requirements of Part 1. Emission GB 4343.2 household appliances, electric tools and similar appliances electromagnetic compatibility requirements of Part 2. Immunity GB/T 4797.4 electric and electronic products and natural conditions of solar radiation temperature GB 4798 Application of electric and electronic products environmental conditions GB/T 5267.4 fastener surface treatment corrosion resistant stainless steel passivation GB/T 9312 line printer General technical requirements GB/T 9387.1 Information technology - Open Systems Interconnection - Basic Reference Model - Part 1. Basic Model GB/T 9813 General specification for microcomputer GB 16796 security alarm equipment safety requirements and test methods for prevention GB 16915 Switches for household and similar fixed electrical installations GB/T 17540 General specification for desktop laser printers GB/T 17974 General specification for desktop inkjet printers GB/T 19334 size low-voltage switchgear and control equipment for mechanical support of electrical devices in switchgear and control equipment the standard mounting rail GB 19517 National Electrical Safety Equipment Technical Specifications GB/T 28847.1 building automation and control systems - Part 1. Overview GB 50057 Lightning in design GB 50116 automatic fire alarm system design specifications GB/T 50311 cabling system design specification GB 50348 security engineering and technical norms JB/T 8207 industrial automation, instrumentation power supply voltage YD/T 838 digital communications/quad symmetrical cables YD/T 926 building communications cabling system