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

GB 14536.4-2008

Replacing GB 14536.4-1996

**Automatic electrical controls for household and similar use --
Particular requirements for thermal protectors for ballasts for
tubular fluorescent lamps**

家用和类似用途电自动控制器 管形荧光灯镇流器热保护器的特殊要求

(English Translation)

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Foreword

All technical content in this section is mandatory.

GB 14536 "Household and similar electrical automatic controller" is divided into two parts.

- Part 1. General requirements;
- Part 2. Particular requirements.

Special requirements and consists of the following components.

- GB 14536.3 - Particular requirements for thermal motor protectors (IEC 60730-2-2, IDT);
- Particular requirements GB 14536.4 tubular fluorescent lamp ballasts for thermal protectors (IEC 60730-2-3, IDT);
- GB 14536.5 sealed and semi-hermetic motor - compressor motor thermal protection Particular requirements (IEC 60730-2-4, IDT);
- Particular requirements GB 14536.6 automatic electrical burner control systems (IEC 60730-2-5, IDT);
- GB 14536.7 pressure sensitive electrical controls - Particular requirements (idt IEC 60730-2-6);
- GB 14536.8 Particular requirements for timers and time switches (idt IEC 60730-2-7);
- GB 14536.9 Particular requirements for electrically operated water valves (including mechanical requirements) (IEC 60730-2-8, IDT);
- GB 14536.10 - Particular requirements for temperature sensing controls (IEC 60730-2-9, IDT);
- GB 14536.11 Particular requirements for motor starting relays (IEC 60730-2-10, IDT) used;
- GB 14536.12 Particular requirements for energy regulators (idt IEC 60730-2-11);
- GB 14536.13 Particular requirements for electrically operated door locks (IEC 60730-2-12, IDT);
- GB 14536.15 Particular requirements for humidity sensing controls (IEC 60730-2-13, IDT);
- GB 14536.16 Particular requirements for electric actuators (idt IEC 60730-2-14);
- GB 14536.17 special requirements of the float or electrode-sensitive automatic electrical

water level sensing controller used in the boiler appliance (IEC 60730-2-15, IDT);

--- GB 14536.18 - Particular requirements for household and similar use of the float type level controllers (IEC 60730-2-16, IDT);

--- GB 14536.19 Particular requirements for electrically operated gas valves, including mechanical requirements (IEC 60730-2-17, IDT);

--- GB 14536.20 Particular requirements for water and air flow sensing controls, including mechanical requirements (IEC 60730-2-18, IDT);

--- GB 14536.21 Particular requirements for electrically operated oil valves, including mechanical requirements (IEC 60730-2-19, IDT);

This section identical with IEC 60730-2-3:2006 "Household and similar electrical automatic controller thermal protectors for ballasts for tubular fluorescent lamps Particular requirements. " Part of this structure with IEC 60730-2-3:2006 same. In this section, there is a corresponding national standard, incorporated by reference to national standards;

No national standards, IEC standards are incorporated by reference outlined.

For ease of use, this section made the following editorial changes.

- a) instead of as a decimal by decimal comma " , " ;
- b) increase the national standard foreword;
- c) with the "GB 14536.1" instead of "Part 1." this part of GB 14536.1-2008 "Household and similar electrical controls - Part 1. General requirements" in conjunction.

This Part replaces GB 14536.4-1996 "household and similar use automatic controller tubular fluorescent lamp ballasts special thermal protection Specific requirements. " Compared with GB 14536.4-1996 part of the main changes are as follows.

GB 14536.4-2008/IEC 60730-2-3:2006

- a) description of the scope of Chapter 1, made some changes and added a reference standard;
- b) the information provided in Chapter 7 added some content;
- c) Chapter 16 environmental stress content has been adjusted;
- d) the name of several sections according to changes GB 14536.1 made the appropriate changes;
- e) delete the applicability described in Appendix D.

This section of the Appendices C and E are normative appendix.

This part is proposed by the China Electrical Equipment Industrial Association.

This part of the National Standardization Technical Committee household automatic control (SAC/TC212) centralized.

This section is drafted. Guangzhou CVC Testing Institute, Guangzhou Electric Apparatus Research Institute, Ningbo Economic and Technological Development Zone Haixin Electric Technology Co., Ltd.

1 Scope and normative references

GB 14536.1 of the chapter is applicable except as follows.

1.1

Replacement.

This section applies to a tubular fluorescent lamp ballasts thermal protectors made its assessment.

This section applies to the use of PTC and NTC thermistor thermal protection, its additional requirements in Appendix J.

Ballast and thermal protection fitted together test requirements see GB 19510.1.

1.1.1

This section applies to the inherent safety ballast protector for safety equipment and related operating values, operating time and operating procedures Order, adapted to prevent the thermal protection to the tubular fluorescent lamp ballast overheating test.

This section applies to thermal protectors for ballasts within the range of GB 19510.9.

This section covered by a thermal protector is also applicable to other discharge lamps within the range of GB 19510.10.

Note: in this section, the term "protection" refers to the "self-resetting thermal protector of fluorescent lamps."

1.1.2

This section does not apply to other means to protect the ballast.

1.1.3

This section does not apply to artificial means breaking the circuit.

1.2

Replacement.

This section is intended for use in the frequency of 50Hz or 60Hz, 690V AC power supply voltage does not exceed the protection of the ballast.