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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

JG/T 227-2016

Replacing JG/T 227-2007

Garage door opener

(English Translation)

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Foreword

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

This standard is JG/T 227-2007 "garage door electric door opener" revision, compared with the JG/T 227-2007 main technical changes as follows.

--- Modify the scope of application, instead of sliding rail garage door with electric door opener (see 1);

--- Modify the term "door opener" to "garage door electric door opener" (see 3.2);

--- Modify the term "manual clutch" to "manual clutch" (see 3.4);

--- Removed the term "anti-extrusion protection system";

--- Modify the rated opening and closing force, to.200N, 300N, 400N, 500N, 600N (see 4.2.2);

--- Increase the opening height of 3.3m (see 4.2.3);

--- Modify the static power, to standby power, power 10W to 5W (see 6.3.3);

--- Remove the anti-extrusion protection system-related content, to reference the relevant provisions of the standard GB 4706.68-2008 (see 6.4.1);

--- Removed anti-interference ability requirements, an increase of electromagnetic compatibility requirements (see 6.5.2);

--- Increased test equipment requirements (see 7.2);

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--- Modify the travel limit accuracy test method (see 7.5.5);

--- Modify the repeated opening and closing durability test method (see 7.5.7);

--- Modify the logo requirements, instead refer to the relevant provisions of GB 4706.1-2005 and GB 4706.68-2008 (see 9.1.1).

This standard proposed by the Ministry of Housing and Urban Standard and Design Institute.

This standard by the Housing and Urban-Rural Construction Products and Components Standardization Technical Committee.

This standard was drafted. China Construction Metal Structure Association, Xuchang Spread Building Materials Technology Co., Ltd., Fujian Anlin Intelligent Technology Unit Co., Ltd., Ingram Technology (Jiaxing) Co., Ltd., Shenzhen Zhongtian Door Co., Ltd., Zhongshan Giant Light Intelligent Gates Co., Ltd., Zhangzhou City, Jielong Electrical Co., Ltd., Shunde District, Foshan City, Gui Rongguo Garage Door Co., Ltd., Shandong Di Weier Optoelectronics Technology Co., Ltd., Gaomi City Haizhu Door Co., Ltd., Xuchang Cape Detection Technology Co., Ltd., Shenzhen Solid Wit Technology Co., Ltd.

1 Scope

This standard specifies the terms and definitions of garage door electric door opener, classification, main parameters and marking, requirements, test methods, inspection rules, standard Log, packaging, transportation and storage.

This standard applies to civil buildings in the gliding road garage door with electric door opener (hereinafter referred to as open door machine).

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 191 Packaging - Pictorial signs GB/T 1019 Household and similar electrical appliances packaging General GB/T 2423.1-2008 Environmental testing for electric and electronic products Part 2. Test methods Test A. Low temperature GB/T 2423.2-2008 Environmental testing for electric and electronic products Part 2. Test methods Test B. high temperature GB 4343.1 Household appliances, power tools and similar appliances EMC requirements - Part 1. launch GB 4343.2 Household appliances, power tools and similar appliances EMC requirements - Part 2. Immunity Household and similar electrical appliances - Safety - Part 1. General requirements GB 4706.68-2008 Safety of household and similar electrical appliances - Particular requirements for drives for vertical moving garage doors for residential use JG/T 153-2012 Sliding Garage Door

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3 Terms and definitions

The following terms and definitions apply to this document.

Sliding garage door sectionalgaragedoor by the door, balancing devices, rails and other components, the door can be installed on both sides of the wheel in the rail up and down the garage door.

[JG/T 153-2012, Definition 3.1] 3.2 Control and drive garage door opening and closing operation of the device, mainly by the control system, motors, transmission and other components.

Manual clutch release manualreleasedevice Used to lift the self-locking mechanism of the door opener to manually open and close the garage door mechanism.

Transmission mechanism transmissiondevice the driving force of the motor is transmitted to a group of components of the door body.

Rated opening and closing force ratedforce Manufacturers to open the door provisions of the door opening and closing force.

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