

ICS 29.140.50; 29.140.99
CCS K 74



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

GB/T 30104.204-2013

**Digital addressable lighting interface -- Part 204: Particular
requirements for control gear -- Low voltage halogen lamps
(device type 3)**

数字可寻址照明接口 第204部分：控制装置的特殊要求 低压卤钨灯(设备类型3)
(English Translation)

Issued on: December 17, 2013

Implemented on: November 1, 2014

Issued by: Standardization Administration of China

Table of Contents

Introduction

Introduction

1 Scope

2 Normative references

3 Terms and definitions

4 Overview

5 Electrical Specifications

6 Interface Power

7 Structure 2 Transport Protocol

8 Timing

9 Run Method

10 Variable declarations

Defined instruction 4

8 12 test program

Appendix A (informative) algorithm Example

References

4 Testing process "open inquiry"

7 "Query current protection is activated. underload"

9 "Query thermal shutdown"

10 "Query thermal overload"

11 "reference system power."

12 "reference system power. 100ms timeout"

13 "reference system power. intermediate instruction"

14 "reference system power. 15min timer"

15 "reference system power. Failed"

16 "Enable/disable the current device"

17 "Enable Device Type. Application extended instruction"

18 "Enable Device Type. application extended configuration directives 1"

19 "Enable Device Type. application extended configuration directives 2"

20 "extended version inquiry number"

21 "Keep Expanding Directive"

Foreword

GB/T 30104 "Digital Addressable Lighting Interface" is divided into 13 parts.

- Part 101. General requirements for systems;
- Part 102. General requirements for the control device;
- Part 103. General requirements for control equipment;
- Part 201. control means special requirements for fluorescent lamps (device type 0);
- Part 202. Particular requirements for control self-contained emergency lighting (device type 1);
- Part 203. Particular requirements for control of discharge lamps (excluding fluorescent lamps) (device type 2);
- Part 204. control means special requirements for low-voltage halogen lamps (device type 3);
- Part 205. Particular requirements for control devices incandescent supply voltage controller (device type 4);
- Part 206. Particular requirements for digital signal control device into a DC voltage (device type 5);
- Part 207. control means special requirements of LED modules (device type 6);
- Part 208. control means special requirements for the switching function (device type 7);
- Part 209. control means special requirements for color control (device type 8);
- Part 210. control program means a special device requirements (device type 9).

This section GB/T Part of 20,430,104.

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

This section uses the translation method identical with IEC 62386-204:2009 "Digital addressable lighting interface - Part 204. control means Particular requirements for low-voltage halogen lamps (device type 3). " this part made the following editorial changes.

- a) "this International Standard" be replaced by "this section";
- b) Remove the IEC 62386-204 foreword.

This part is proposed by the China National Light Industry Council.

This part of the National Electric lighting Standardization Technical Committee (SAC/TC224) centralized.

Drafting this Part. Zhejiang Shenghui Lighting Ltd., Foshan City, China Electrical Lighting Co., NVC Lighting Technology Co., the company, Shenzhen Power Lighting Co., Ltd., Beijing Institute of electric light.

Introduction

GB/T 30104.204 first edition will be published simultaneously with the GB/T 30104.101 and GB/T 30104.102. The GB/T 30104 points into several parts published separately to facilitate future amendments and revisions. If necessary, add additional requirements.

When referring to GB/T 30104.101 or GB/T within 30104.102 any provisions of this section and the composition of GB/T 30104.2 xx Department Other parts of the column clearly defines the order in terms of scope and testing. If necessary, this section includes additional requirements. group to GB/T 30104.2 xx all parts of the series are independent, and therefore does not contain references to each other.

Requires that any provisions of GB/T 30104.101 or GB/T 30104.102 in this section to "in accordance with GB/T 30104.101 first 'N' chapter of the requirements, "a reference to the form of the sentence, the sentence could be interpreted as all requirements related to the provision of Section 101 or Section 102 are but it does not apply to Part 204 except the control device contains a particular type of lamp.

Unless otherwise stated, figures in this section are used in the decimal. Hexadecimal numbers using 0xVV format, several of which VV value. Binary digits or using XXXXXXXXb XXXXXXXX format, wherein X is 0 or 1; "x" means "not in binary for consideration. " Digital Addressable Lighting Interface Part 204. Particular requirements for control device Low-voltage halogen lamps (device type 3)

1 Scope

This section GB/T 30104 specifies the number associated with the low-voltage halogen lamps, the AC/DC power supply of the electronic control device Digital signal control protocol and test procedures.

Note: This section tests are type tests. Test requires a single control device during production are not included.

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 30104.101-2013 digital addressable lighting interface - Part 101. General requirements for systems (IEC 62386-101).

2009, IDT)

GB/T 30104.102-2013 digital addressable lighting interface - Part 102. General requirements for control devices (IEC 62386-102.

2009, IDT)

3 Terms and Definitions

GB/T 30104.101-2013 Chapters 3 GB/T 30104.102-2013 defined in Chapter 3 and the following terms and definitions apply in this document.

Reference measurement Control device with its internal procedures and measurements to determine the actual process of halogen lamps load.

NOTE: For more information on this process belongs to the control device of the detailed design matters not within the scope of this standard.

Reduced load detection detection of load decrease Significantly lower than the actual lamp load recognition during the "reference measuring" success measured load.

Note: whether to increase or decrease the load on significant criteria can only be decided by the manufacturer, these guidelines should be described in the specification.

Increased load detection detection of load increase Significantly higher than the actual lamp load recognition during the "reference measuring" success measured load.

Note: whether to increase or decrease the load on significant criteria can only be decided by the manufacturer, these guidelines should be described in the specification.

Current protector Off protection device when the difference between the actual output of the lamp load and during "reference measurement" detected load exceeds ΔP .

Note: ΔP value only by the control system manufacturer provides this value should be described in the specification.