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

GB/T 17215.421-2008

Replacing GB/T 9092-1998

**Electricity metering equipment (a.c.) -- Tariff and load control --
Part 21: Particular requirements for time switches**

交流测量-费率和负荷控制 第21部分：时间开关的特殊要求

(English Translation)

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Foreword

This section is equivalent to using the IEC 62054-21 "AC measurements tariff and load control - Part 21. Particular requirements for time switches" 2004 edition. "This part of the preparation of the structure and format is consistent with IEC 62054-21.

This Part replaces GB/T 9092-1998 "tariff and load control time switch." this part of GB/T 9092-1998 The main differences are as follows.

--- Terminology and definitions, electrical requirements, mechanical requirements, weather conditions, electromagnetic field immunity test DC, AC electromagnetic field immunity Test, test conditions and type tests, radio interference suppression requirements of a direct reference to IEC 62052-21;

--- This section increases the timing accuracy testing, electromagnetic field immunity test and fast transient tests done specifically described.

Since the implementation of this section, the original national standard GB/T 9092-1998 repealed simultaneously.

Appendix A of this section is an informative annex.

This part is proposed by China Machinery Industry Federation.

This part of the National Electrical Instrument Standardization Technical Committee (SAC/TC104) centralized.

This section is drafted. Harbin Institute of Electrical Instrument.

1 Scope

GB/T 17215 in the provisions of this part of the latest special type tests made for indoor use and has a working time of the switch to reserve begging. Time switches commonly used in the electric power load control, maximum demand means multi-rate boarding and energy

metering equipment.

Switches maintain real time, it can save the date, but also be able to handle leap years, when it also supports daylight saving time, that is to say, according to the relevant rules, it can modify the local time and GMT offset. Time switch also has synchronization, switching time of the switch is also stored procedure table, which You can time period, week, or month in the specified date. Time switch according to the time table and stored procedures to control the output unit.

This part of the internal structure of the time switch is not required.

When the time switch function and multi-function meter function together, the relevant part of this section still apply.

This section includes mechanical time having an analog dial or electronic digital display switch.

--- Synchronous time switches;

--- Crystal-controlled time switch.

This section does not include receiver testing and conformance testing, but receives the test given as examples in Appendix A.

Reliability requirements with reference to IEC 62059.

This part of IEC 62052-21 when used simultaneously, this part of the terms better than IEC 62052-21.

2 Normative references

The following documents contain provisions which, through reference GB/T 17215 in this section constitute provisions of this section. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

IEC 62052-21:2004 AC electronic power meter General requirements, tests and test conditions - Part 21. tariff and load control Claim

3 Terms and Definitions

IEC 62052-21 The definitions apply to this section.

Standard electrical values \u200b\u200b4 Value given in IEC 62052-21 apply to this section.

5 Mechanical requirements and tests

Requirements given in IEC 62052-21 and tests apply to this section.

5.1 Dial

For the time has analog mechanical dial switch.

- Dial rotational direction by an arrow mark;
- Hour dial (if any) should be able to read the minutes;

GB/T 17215.421-2008/IEC 62054-21:2004