

# JIS

**JAPANESE INDUSTRIAL STANDARD**

**Electrically heated blankets**

Ⓔ **JIS C 9210**—1992

**Translated and Published**

**by**

**Japanese Standards Association**

**In the event of any doubt arising,  
the original Standard in Japanese is to be final authority.**



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Electrically heated blankets

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## 1. Scope

This Japanese Industrial Standard specifies electrically heated blankets of electronic control system employing heating elements and heat sensing wire of separate wire system or those integrated in composite elements (hereafter referred to as blankets).

Remarks 1. The following Standards are cited in this Standard:

JIS C 3301-Rubber Insulated Flexible Cords

JIS C 3306-Polyvinyl Chloride Insulated Flexible Cords

JIS C 8303-Plugs and Receptacles for Domestic and Similar General Use

JIS C 8304-Small Switches for Indoor Use

JIS C 8358-Appliance Couplers for Domestic and Similar Use

JIS C 9606-Electric Washing Machine

JIS K 2240-Liquefied Petroleum Gases

JIS K 5400-Testing Methods for Paints

JIS K 6301-Physical Testing Methods for Vulcanized Rubber

JIS K 7202-Method of Rockwell Hardness Test for Plastics

JIS L 0217-Care Labelling of Textile Goods

JIS L 2001-Cotton Wadding

JIS S 6006-Pencils and Colored Pencils

2. The units and numerical values given in{ } in this Standard are based on the traditional unit system and are appended for informative reference.

## 2. Definitions

For the purpose of this Standard the following principal definitions shall apply:

- (1) main body The part of blanket that is fundamentally flat, consists of such flexible materials as blanket cloth and quilting cloth, accommodates heat elements in its inside and used for providing warmth.
- (2) controller A device which carries out the on-off of the power supply and (or) controls or changes the temperature.  
  
Remarks: This is usually provided in the middle of the cord.
- (3) functional body The generic name of main body and controller.
- (4) heating element The heating wire covered with insulating materials.
- (5) heat sensitive wire The wire arranged continuously inside the main body to detect the temperature and to transmit the detected temperature characteristic in the form of electric characteristic.
- (6) electronic control system Such a control system that a semiconductor element like a thyristor is connected in series with the heating element and the temperature of the heating element is controlled by the action of this semiconductor element.
- (7) rated current The power consumption divided by the rated voltage.
- (8) starting current The power consumption at the start of passing the current divided by the rated voltage.
- (9) set temperature The temperature at the temperature guarantee point in Fig. 2 of 8.5.5 that is assigned by the manufacturer.
- (10) washable This means that the main body can be washed by water together with the heating element.
- (11) clean water City water of waterworks.
- (12) connector Plugs and receptacles, and appliance coupler for domestic and similar use which are attached and detached by the user.
- (13) internal wiring connector The connector which is used for connection of wiring inside the functional body by the manufacturer.
- (14) automatic switch A switch which opens the circuit automatically when the set temperature is attained and the closing of the circuit is done manually.

## 3. Rated voltage and rated frequency

The rated voltage shall be single phase a.c. 100 V, and the rated frequency of blanket equipped with transformer shall be 50 Hz, 60 Hz or 50/60 Hz.