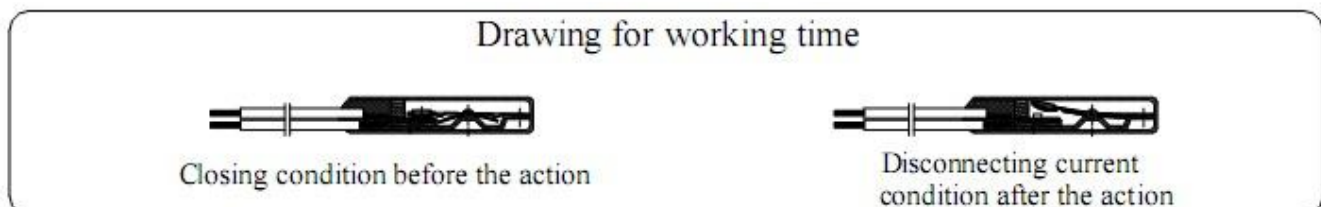
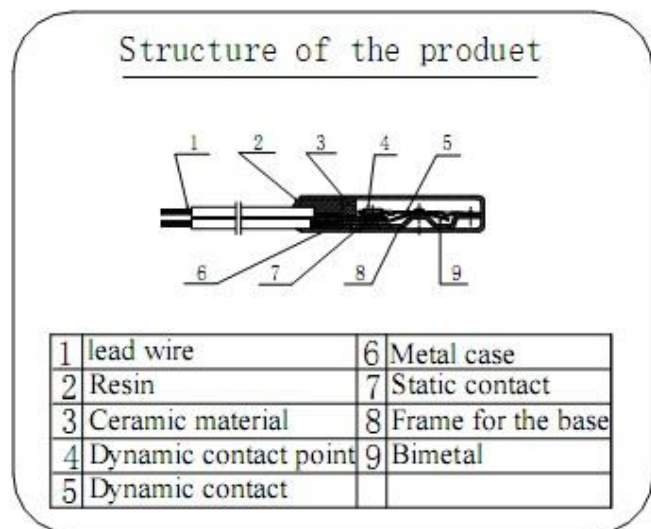
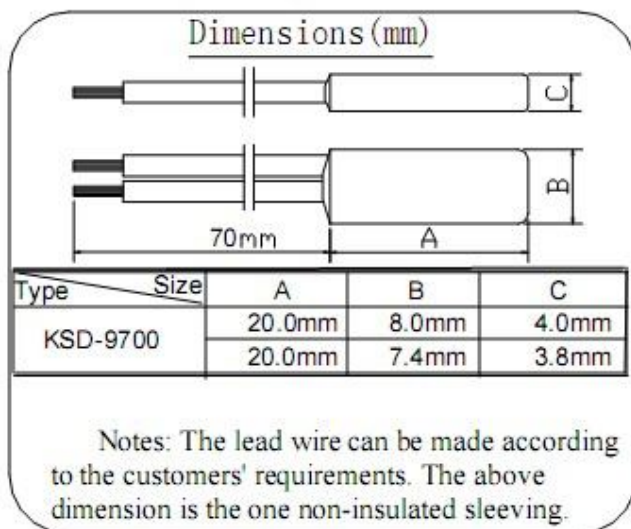




KSD-9700 Series Thermal Protector

Features or structure

KSD-9700 series thermal protector consists of dish shape high sensitive bimetallic element, movable contact-head, static contact-piece, soleplate, outer case, thermal resistant lead and so on. When operation, the bimetallic element is in free state and movable contact-head and static contact-piece are closed and the circuit is on. When the electric appliance is in operation and produces heat caused by some troubles and temperature is raised to the rated action temperature of the product, the bimetallic element produces inner stress and acts quickly and pushes the movable contact-head and make the contact point off and the power supply is turned off the electric appliance stop. In this way the thermal protection is made. When the temperature of electric appliance to be protected is dropped to the rated reset temperature, the bimetallic element restores to its primary state and contact point is closed. The electric appliance restores its work. The product has many advantages such as small in resistor, quick in temperature feeling, fast in action. Safe and reliable, compact and so on.



Switch Material: Metal or Plastic

The metal outer shell type the product outer shell take an electricity, should add to insulate a coat.



KSD-9700 Series Thermal Protector

Product application

Be applicable to all kinds of home appliances and electronics products. Such as Electric Motors, Fluorescent Ballasts, Battery Chargers, Transformers, Solenoids, Heating pads, OA-Machines ETC.

Technical parameters:

Operating Temperature: 25-180°C (one step for every 5°C)

Operating Temperature	Reset Temperature	Operating Temperature	Reset Temperature	Operating Temperature	Reset Temperature
25±5°C	≥15°C	80±5°C	55±15°C	135±5°C	95±15°C
30±5°C	≥20°C	85±5°C	60±15°C	140±5°C	100±15°C
35±5°C	≥25°C	90±5°C	65±15°C	145±5°C	100±15°C
40±5°C	≥30°C	95±5°C	70±15°C	150±5°C	105±15°C
45±5°C	≥33°C	100±5°C	70±15°C	155±5°C	110±15°C
50±5°C	≥35°C	105±5°C	75±15°C	160±5°C	115±15°C
55±5°C	42 ± 6°C	110±5°C	75±15°C	165±5°C	115±15°C
60±5°C	48 ± 10°C	115±5°C	80±15°C	170±5°C	120±15°C
65±5°C	48 ± 10°C	120±5°C	85±15°C	175±5°C	125±15°C
70±5°C	50 ± 12°C	125±5°C	85±15°C	180±5°C	130±15°C
75±5°C	53 ± 14C	130±5°C	90±15°C		

Rated Voltage :AC250V/AC125V;

Rated Current:5A/8A

Electric intensity: ≥800V

Contact resistance: ≤50mΩ

Insulation resistance: ≥ 100MΩ

Response speed: ≤1°C/min

Service Life: ≥ 10000 times



KSD-9700 Series Thermal Protector

TEST METHOD:

Sample is connected to the fixture of the equipment, and placed into the test equipment (Hot current of air in the space of test should be equipped with a stirrer and temperature is controllable). A detect current about 10mA (no more than 100mA) is passed through the sample and a thermometer is placed junction to the sample to monitor the opening temperature. The temperature of the test equipment is raised at the rate of $0.5 \sim 1^{\circ}\text{C}$ per minute until the sample functioned.

