

SPECIFICATION FOR APPROVAL**客户承认书**客户编码 Customer ID: **490104**景荣料号 KRECO P/N No. : **KSD301-16A-105NC**日期 Date: **2025-8-22**设计流水/订单号 Design/PO No. : **20250822-490104-860615-A1**

景荣企业有限公司
中山市景荣电子有限公司

KINGRONG ENTERPRISE LTD. (Since 2008)**ZHONGSHAN KINGRONG ELECTRONICS CO., LTD.****样品承认书****SPECIFICATION FOR APPROVAL****DESCRIPTION /产品名称 : Bimetallic Thermostat****CUSTOMER ID /客户代码 : 490104****C.P.N. /客户料号 : KSD301-16A-105NC**

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intelligent power solutions

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1. General Scope /简述

1.1 Overview /概况

This product is a is a general-purpose jump button temperature control protector. The temperature controller with bimetallic sheet as temperature sensing component can work normally. When the bimetallic sheet is in free state, the contact is in the closed/disconnected state, when the temperature reaches the operating temperature, the bimetallic sheet is heated to produce internal stress and rapid action, open/close the contact, cut off/connected the circuit, so as to control the temperature. When the appliance cools down to the reset temperature, the contact automatically closes/opens and returns to the normal working state. The main application scenarios are: electric water heater, water bucket, sandwich toaster, dishwasher, dryer, disinfection cabinet, microwave oven, electric coffee pot, electric boiling pot, refrigerator, air conditioner, glue machine, office equipment, car seat, etc.

一种通用型突跳式纽扣温控保护器。

采用双金属片作为感温组件的温控器,电器正常工作

时,双金属片处于自由状态,触点处于闭合/断开状态,当温度达到动作温度时,双金属片受热产生内应力而迅速动作,打开/闭合触点,切断/接通电路,从而起到控制温度的作用。当电器冷却到复位温度时,触点自动闭合/打开,恢复到正常的工作状态。其主要应用场景为:电热水器、开水桶、三明治烤面包机、洗碗机、干燥机、消毒柜、微波炉、电热咖啡壶、电煮锅、冰箱、空调、过胶机、办公设备、汽车座位等

2. Product Characteristics /产品特性

2.1 General Feature 特性介绍

It has the characteristics of stable performance, high precision, small size, light weight, high reliability, long life, and small worry about radio dry. Its material is mainly Bakelite, ceramic, iron, copper, aluminum, stainless steel, high temperature resistant plastic and other materials.

具有性能稳定、精度高、体积小、量轻、可靠性高、寿命长、对无线电干扰小等特点。

其材质一般主要为电木、陶瓷、铁、铜、铝、不锈钢、耐高温塑料等材料构成。

2.2 Working mode 工作模式

Normal close: Cut out at temperature rise, cut in at temperature decreasing.

室温下触点接通 (NC), 温度上升触点断开, 温度降低触点恢复接通。

2.3 Insulation Resistance 绝缘电阻

With a DC 500V megger, borne DC 500V, the tested value is over 100 MΩ .

用500VDC绝缘电阻表加额定电压500VDC 测定大于 100MΩ 。

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2.4 Dielectric Strength 电气强度

Live metal parts and non-metal parts shall be able to withstand 1500V 50Hz AC voltage close to sine wave for one minute, without breakdown and flashover.

带电金属部件与非带金属部件之间能承受接近正弦波的 1500V 50Hz 交流电压历时一分钟的耐压试验，不击穿，无闪络。

2.4 Electrical parameters 电气参数

250V 16A

2.5 Temperature Range 温度范围

Operating temperature range: **105 ± 5°C**;

Reset temperature range: **85 ± 10°C**

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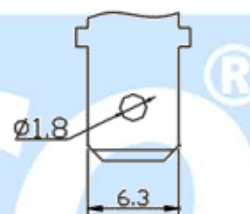
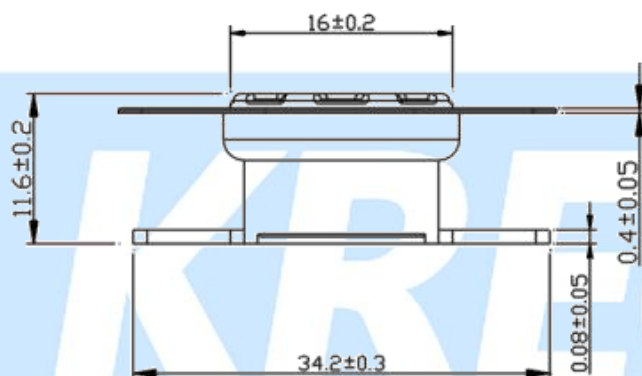
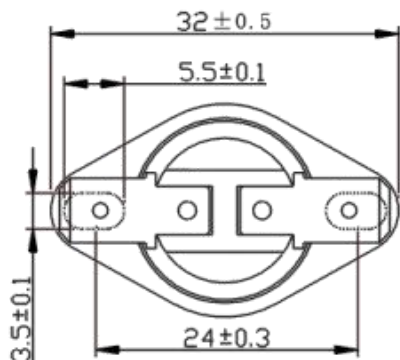
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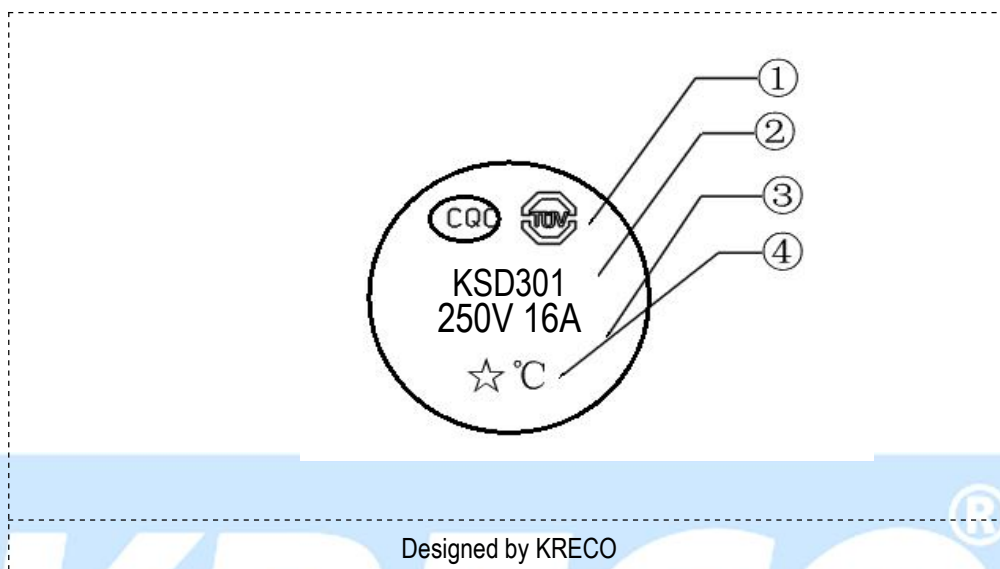
3. Outline Drawing/Photograph /机械图纸或相片



Unit: mm

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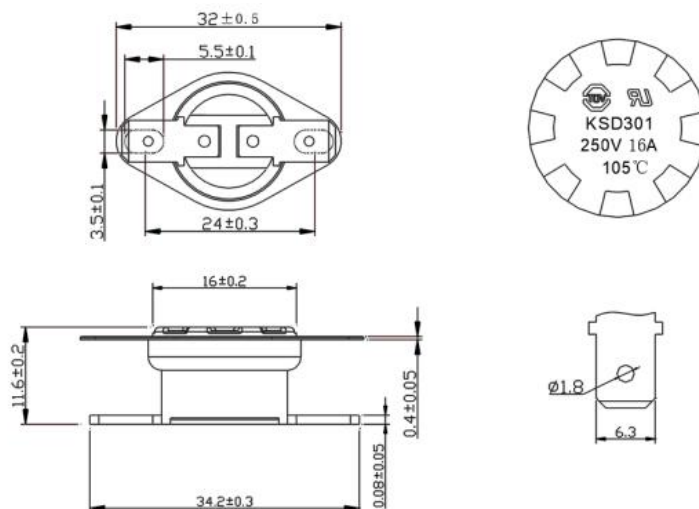
4. Label Diagram /铭牌图



- ① : Product trademark 产品商标
② : Product model 产品型号
③ : Rated electrical parameters 额定电气参数
④ : Product operating temperature ☆ 产品动作温度

(Remarks: normally closed product marked with "°C",
always open product marked with "K")

(备注: 常闭产品用“°C”标示,
常开产品用“K”标示)



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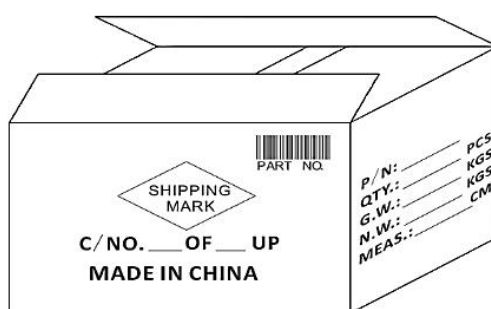
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5. Package Information /包装示意图



☒ Bulk Pack 散装

☐ Hole Cardboard



☒ Outer Carton 外箱

No.	Item 名称	Spec规格	Size (cm)尺寸			Qty	G.W	CBM
			L	W	H	数量	公斤Kgs	(m3)
			长cm	宽cm	高cm	个/箱	毛重/箱	立方米
*	Unit Net Weight 产品净重						0.005	
1	PE Bag 透明袋	PE	17.5	14.5		1		
2	Blade Cardboard 刀卡	A=B						
3	Individual Box 白盒	380g/cm3				1	0.000	
4	Outer Carton 外箱	K=K	50	40	28	2000	11.0	0.056
5	Pallet 托盘	Plastic	100	110	16		8	0.176
*	Marking 唛头		KRECO					
*	Part No 条形码	Code 128	As per KRECO P/N Number					
*	Serial No 序列号	Code 128	YYxxxxxx0000001					

The above packing info just for your reference only, the final is **subject to actual production**.
If you need to specify, please ask the salesman in particular.

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6. Operation Caution 操作注意事项

6.1 The thermostat should work in environment with humidity not higher than 90%, Free of caustic, Flammable gas and conducting dust.

温控器应工作于空气相对湿度不大于 90%、无腐蚀性气、可燃性气体和导电尘埃存在的一般室内环境。

6.2 When the thermostat is used to sense the temperature of solid, its cup should be clung to the heating part of such items.

Meanwhile, heat-conducting silicon grease, or other heat media of similar nature, should be applied to the cup's surface.

温控器采用接触感温时,应使其封盖紧贴被控器具的发热部位,并应在封盖感温表面涂上导热硅脂或其他性能类似的导热介质。

6.3 If the thermostat is used to sense the temperature of liquids or steam, it is strongly recommended to adopt a version with stainless-steel cup. Moreover, cautious measures should be taken to prevent liquids getting into/onto the thermostat's insulation parts.

温控器通过接触液体或蒸汽感温时,强烈建议采用不锈钢封盖的产品,并应有可靠的防漏措施,以免液体渗到温控器绝缘部件上。

6.4 The top of the cup must not be pressed to sink and the terminals must not be distorted, so as to avoid Adverse effect on the thermostat's temperature sensitivity or its other functions.

不可把封盖顶部压塌或使具变形,以免动作温度改变或影响其他性能。

6.5 In order to prevent liquid or other foreign matter from entering the thermostat, excessive force must be avoided to prevent cracks; The shell should be kept clean to prevent pollution from conductive substances, so as to avoid short-circuit breakdown due to the reduction of insulation performance.

为防止液体或其他异物进入温控器内部,必须避免受到过大的力以防止出现裂纹;壳体应保持清洁,防止导电物质污染,以免因绝缘性能降低而发生短路击穿。

6.6 Do not bend terminals forcibly during use; otherwise, the reliability of electrical connections will be affected.

使用过程不能强行折弯接线端子,否则将影响电气连接的可靠性。

6.7 Manual reset products in the reset force should not be too large, to just press the reset handle is appropriate, generally should be less than 30N, so as to avoid damage to the internal structure of the thermostat.

手动复位产品在复位时力量不可过大,以刚能按下复位柄为宜,一般应小于 30N,以免损坏温控器内部结构。

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7. Statement 声明

7.1 本承认书解释权归中山市景荣电子有限公司。

KRECO reserves the right to interpret this acknowledgement.

7.2 本承认书一式两份，客户一份，供应商一份，自双方确认签字之日起生效。

Two sets of specification for mutual approval. It comes into effect after the content is acknowledge.

7.3 如有更新，需由双方协商解决，另行补充。

Any revision change shall be mutually agreed by customer and provider.

8. Customer Confirmation 客户确认

Thank you for your recognition of KRECO product. Your time and every data tested have great significance and contribution. The name you signed will become a permanent witness of KRECO's future development. We KRECO people thank you!

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客 户 确 认

CUSTOMER CONFIRMATION

Modification is to update a new with new design number 修改生成新版设计号

CUSTOMER AUTHORIZED SIGNATURE/客户承认签核

Special Notes 特殊要求:

APPROVAL BY:
(Signature & seal & Date)

1) Customer P/N:

2)

3)

**Sign it means acknowledge our sample(s) performance and we production to samples. In the event of discrepancies between the sample(s) and specification, the sample(s) shall prevail. A delay in receipt of this form will delay delivery schedule.*

客户确认签字, 盖章即视为确认样品性能, 以样品为准生产. 延迟回签将影响交货期。



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