

TW-064型温度调节器

TW - 064 Temperature Controller

1.工作原理

利用热双金属片做感温元件。采用条形热双金属片，将一端固定，而另一端悬空，组成悬臂梁式结构。然后在悬空的一端安装上触点，相对在被动层一侧安装另一固定触点。当温度升高时，条状热双金属片向被动层弯曲，使其两触点闭合；温度下降时，条状热双金属片向主动层弯曲，两触点断开，达到控制电气触点开闭目的。

2.特点

控制温度精度高、回复温度小、控制温度范围广、动作温度重复性好、体积小、响应速度快等特点。

3.应用范围：

广泛应用于医疗卫生、轻工、纺织、建筑、农业等工业民品领域及军用武器装备系统温度报警设备中。

1.Working Principle:

Temperature-sensing element is made by thermal bimetallic strip. Using thermal bimetallic strip bar, we make up cantilever beam structure by fixing at one end, and dangling the other end. After that, install contact on the dangling end, another fixed contact is installed relatively at the side of the passive layer. When temperature increases, thermal bimetal strip is bending toward the passive layer, as a result, two contacts are closure; When the temperature drops, thermal bimetal strip is bending toward the active layer, two contacts are off, achieve the purpose of control the opening and closing of electrical contacts.

2.Characteristic:

High accuracy of temperature control, small temperature response, wide control temperature range, good repeatability of action temperature, small volume, fast response speed, etc

3.Application:

It is widely used in temperature alarm device of medical and health care, light industry, textile, construction, agriculture and other industrial supplies and military weapons and equipments system.

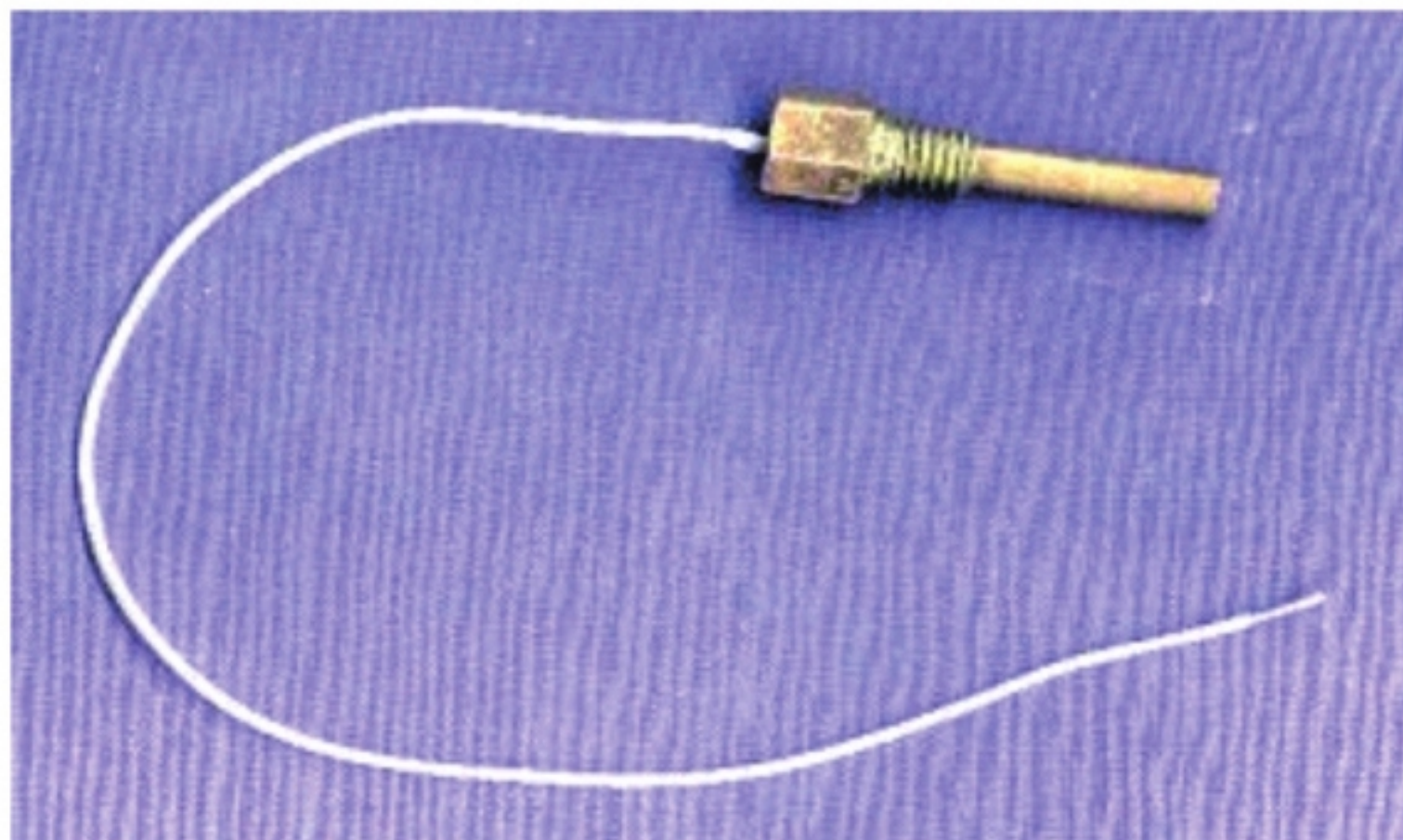


图 Picture CW-064