

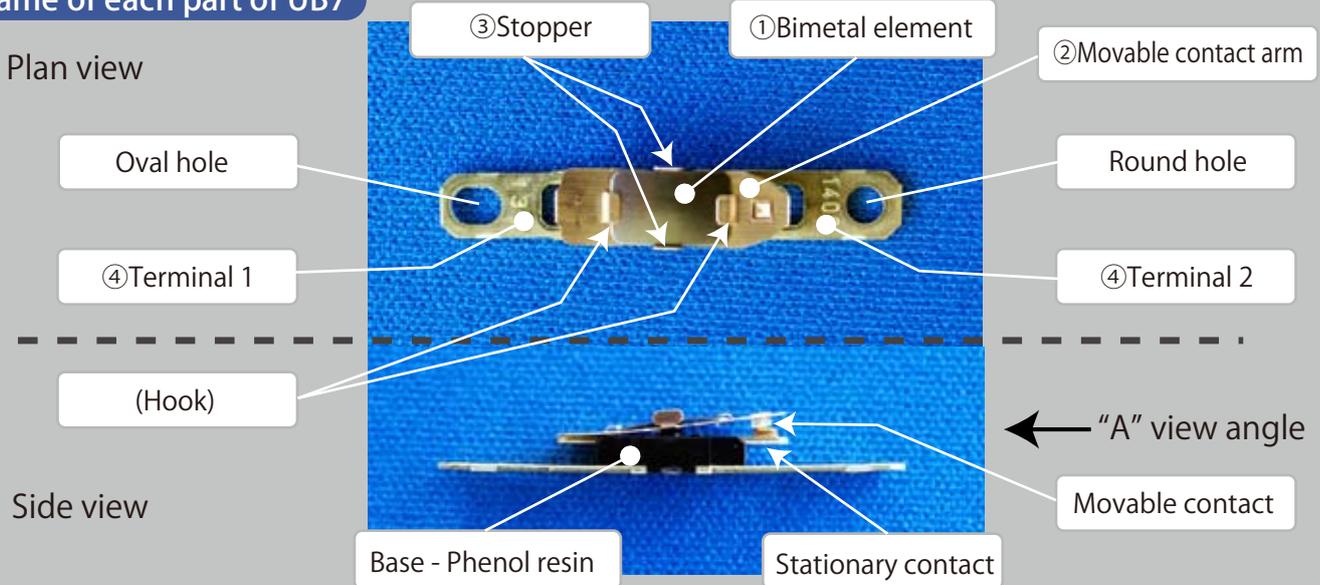


The book introducing UB7 and UCHIYA

Market share of UB7 thermostat for Hair Dryer is more than 50% worldwide. Volume of UB7 supplied is No.1 in the world. UB7 thermostat has been produced for more than 30 years. Actually UB7 is technically matured, most reliable and high quality thermostat for Hair Dryer. However, if it is installed in wrong manner (marked in X), it might not function most properly or it might cause trouble like fire accident because of malfunction of UB7 very unfortunately. Therefore, we would request to our user to install UB7 in very correct manner (marked in ○) in this leaflet.

### Name of each part of UB7

Plan view



Side view

**① Bimetal element**

heat sensing element which makes snap action when ambient air reaches at aimed  
 \* Temperature to open or close contacts has been set in advance by way of designed forming of the bimetal element, therefore the temperature may change if external pressure is applied to the bimetal element.

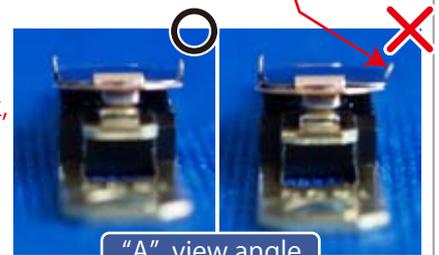
**② Movable contact arm**

Conductive metal plate spring which operates Movable contact open and close  
 \* It's designed to have contact pressure heavier than 98mN(10gf) on Stationary contact. It might decrease contact pressure if external pressure is applied to Movable contact arm or if Movable contact arm is opened by force. It will cause malfunctioning of switch (so called as "chattering").

Inclined Stopper because of external pressure

**③ Stopper**

Stopper at both sides of Bimetal element to prevent dropout  
 \* If external pressure is applied to Stopper and/or Hook, it might cause abnormal switching or even Bimetal element dropping out. (Please see the picture on the right.)

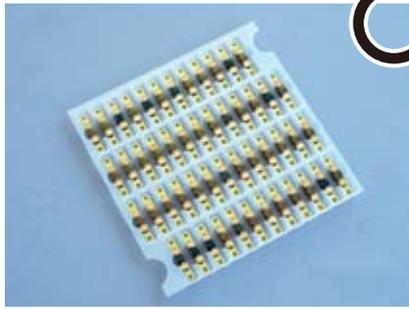


"A" view angle

**④ Terminal 1 & 2**

It's current carrying. Each terminal has Contact and Hole to connect. Usually it's connected by using eyelet.  
 \* Because it's current carrying, please keep it's surface clean enough always. Please make connection firmly secured not to loose. Abnormal heat emission at connecting area might cause earlier switching off at lower temperature than expected.

## How to take out thermostat



When you install thermostat, please pick it up from container tray carefully.

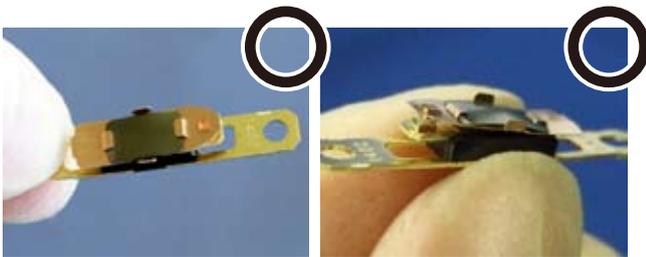


If you put thermostats on workbench randomly, contacts and terminals might get stuck each other. Such conditions may decrease contact pressure or keep contacts open always. If contacts keep open, it will result in non-energizing final application.



Please don't use thermostat which was **dropped down to floor**.

## How to hold thermostat

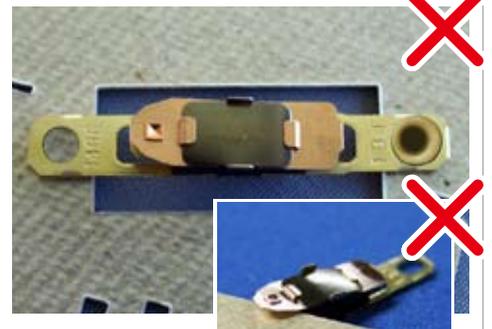
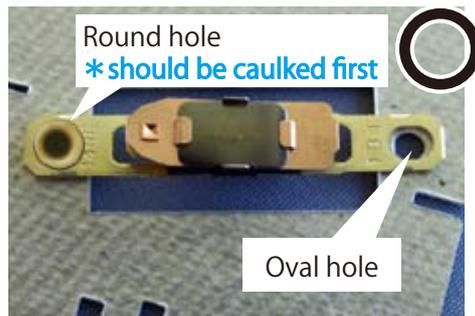


Make sure your fingers are covered by **fingerstall**. Then hold thermostat by terminal or base.



Please don't touch Contacts, Bimetal element, Stopper and Movable contact arm.

## How to connect thermostat using eyelet



Very bad to pinch Mica board between Contacts

**STEP 1:** At first, put Eyelet through **Round hole** and caulk it.

**STEP 2:** Then, do the next Eyelet caulking through Oval hole.

note: If **STEP 1** and **STEP 2** are **reversed**, it generate stress to phenol Base and it might **break** the Base.

Please don't use any thermostat which experienced phenomenon marked **X** in this leaflet.

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