



Temperature control for Heaters

At Luck Design, we offer a comprehensive solution for heater temperature control, addressing common challenges faced by our customers. If you have encountered issues such as the premature failure of rubber heaters under thermostat control, or if you are seeking to extend the lifespan of your heaters to approximately 3 years, we have the ideal solution for you.

- Our Japanese-made heaters, equipped with thermostat control, provide a cost-effective option while ensuring efficient temperature regulation. While these heaters do have a limited lifespan, they offer significant benefits in terms of performance and affordability.
- For those who prioritize longevity and reliability, our compact heaters with PID control are highly recommended. These heaters integrate the advanced features of a proportional-integral-derivative (PID) controller and are designed to deliver precise and stable temperature control. With a longer basic lifespan, they offer peace of mind and exceptional performance.

At Luck Design, we understand the importance of finding the right temperature control solution for your specific needs. Whether you require extended durability or precise regulation, our range of temperature control options caters to diverse requirements. Contact us today to explore our selection and find the perfect solution for your heater temperature control needs.

Luck Design Company, Limited

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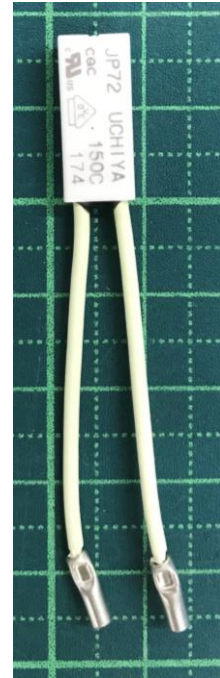
Website: <https://jp.luckdesign.jp/>



Characteristics of Thermostat (Bimetal) and PID:

Characteristics of Thermostat:

- Highly affordable
- Control temperature up to a maximum of 150° C, with a lifespan of approximately 3-5 years (Heater warranty is 1 year)
- Simple structure
- Recently, it has been increasingly used in automotive applications, with improved reliability



Thermostat



Characteristics of PID:

- Contactless (semiconductor device), hence generally has a very long lifespan
- Expensive
- Requires an external attachment to the heater, along with a thermocouple and power cable

Compact PID Temperature Control with Integrated SSR and Controller