

- World's only "DUAL SPRING MECHANISM"
- Stronger Contact Pressure, Higher Vibration/Impact Durability
- Bigger non-trip current receivable  
9A(\* $\Delta T=15K$ )  
\*  $\Delta T$ =Operating Temp. minus ambient temp.

## BPD

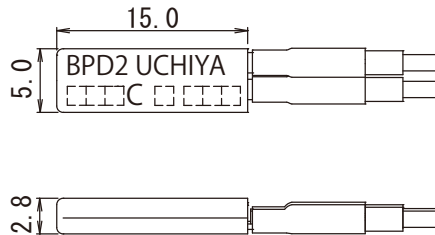
thermal protector  
battery protector



### Specifications

- Operating Temp 60°C~100°C(5°C step)
- Tolerance  $\pm 5^\circ\text{C}$ ,  $\pm 7^\circ\text{C}$ ,  $\pm 10^\circ\text{C}$
- Resetting Temp 46°C or higher
- Maximum non-trip current  
16.5A(Operating Temp 80°C Ambient 25°C)  
9A(Operating Temp 80°C,  $\Delta T=15K$ )  
 $\Delta T$ = operating temp - ambient temp
- Maximum cut-out current 120A 12V DC

### Dimensions



### Applications

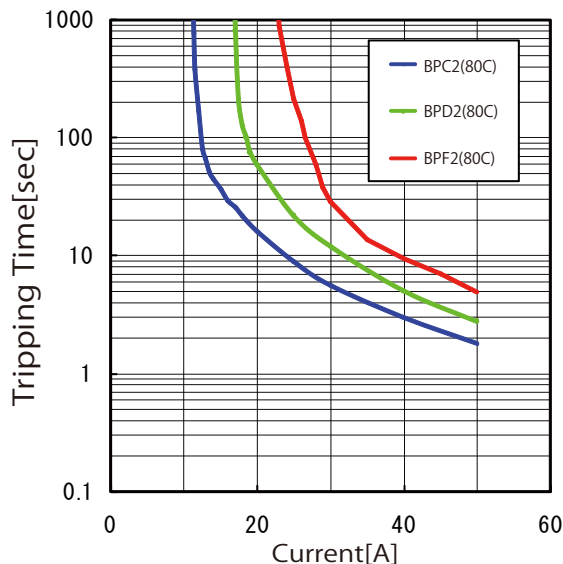
- Lithium-ion Battery Pack
- NiMH Battery Pack
- NiCd Battery Pack

### Safety Approval

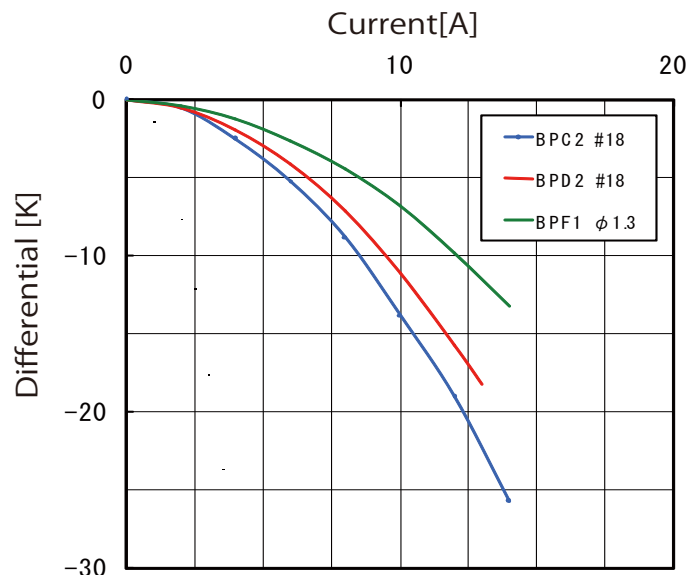
※Contact for approved conditions in detail.

Model	Agency	Standard	Category	Electrical Ratings	Max Temp	File No.
<b>BPD</b>	UL	UL 873	Regulating	10A/ 18V DC (resistive) 6000 cycles	100°C	E50124
	c-UL	CSA C22.2 No. 24	Appliance Control	10A/ 18V DC (resistive) 6000 cycles	100°C	E50124
	EN(VDE)	EN 60730-2-9	Thermal Cut-out	10A/ 18V DC (resistive) 6000 cycles	100°C	892100-45100-0034
	CQC	GB 14536.10	Thermostat (Non-fused bimetal type)	10A/ 18V DC (resistive)	100°C	CQC11002059931 CQC11002059933

Graph Left: Tripping Time vs Current (at 25°C)



Graph Right: Operating Temp. Drop due to Current



### Variation

**BPD**

Lead	
	None
1	Uninsulated Solid
2	insulated wire
3	Nickel Ribbon

EU RoHS Compliant

Further information, write or call;  
UCHIYA THERMOSTAT CO.,LTD.  
2-176-1 TAKASU, MISATO-SHI,  
SAITAMA-KEN 341-0037, JAPAN

E-mail: sales@uchiya.co.jp  
URL: http://www.uchiya.co.jp  
TEL: (+81)-48-955-4181  
FAX: (+81)-48-956-1310

株式会社 UCHIYA THERMOSTAT CO., LTD.