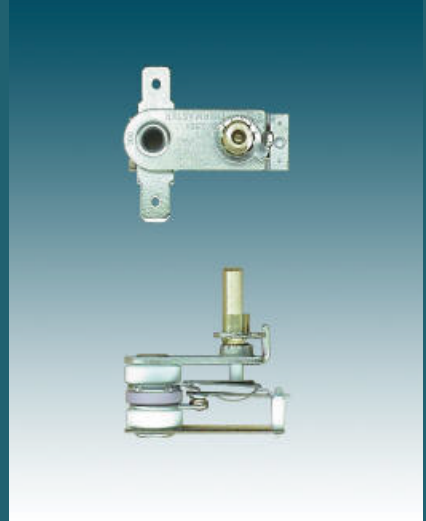
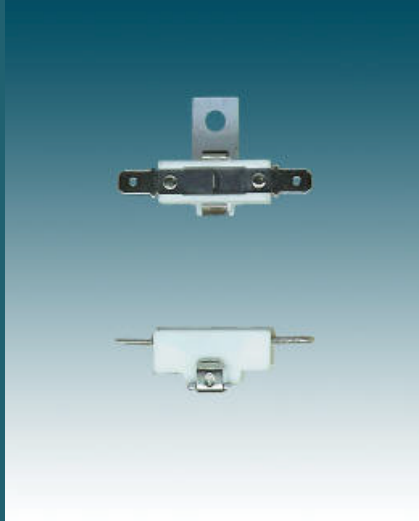


THERMASTER

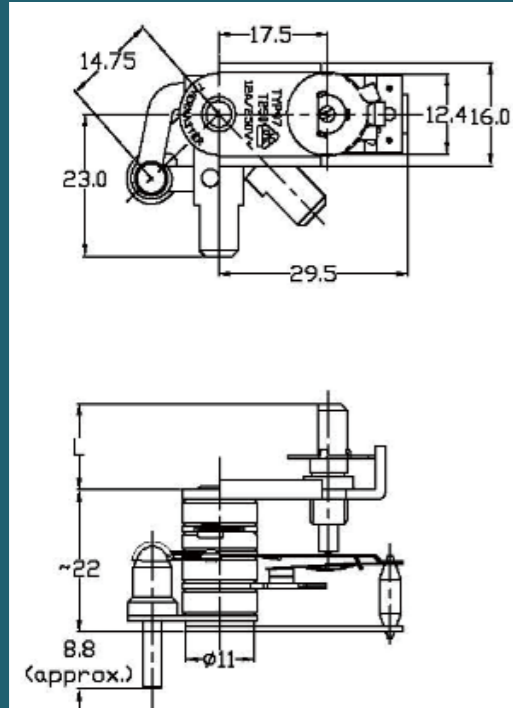
Thermostat & Thermal cut-off



Thermaster Electronic (Xiamen) Ltd.
5F, 38, Yue Hua Road, Xiamen, Fujian, China
Tel: +86 592 6025275 Fax: +86 592 5623726

TYP97

Dimensions



Bimetallic Thermostat With Fuse Mechanism For Iron Application

FEATURES

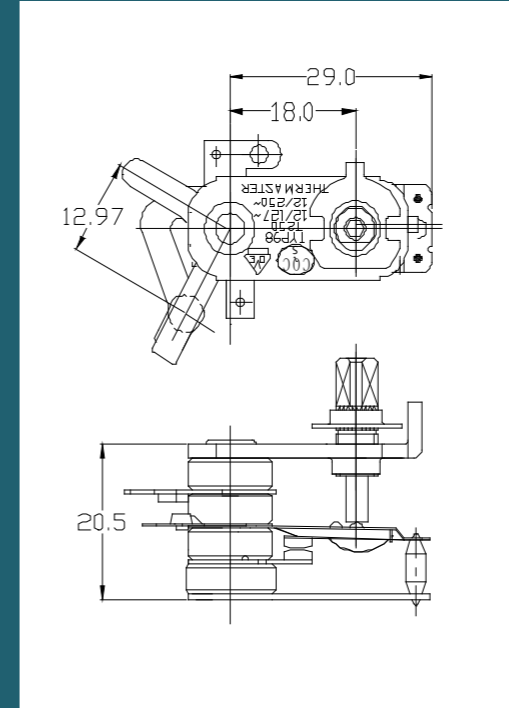
- Stable working temperature
- Good consistency for cold calibration
- Welded clad contacts for durable appliance
- Reliable performance
- Compact structure for fusible alloy built in soleplate
- Complete functions
- High temperature power-off insurance

SPECIFICATIONS

Rated voltage	250VAC
Rated current	12A
Test class	II(100,000cycles)
Maximum temperature	250 °C
Operating range	0 °C ~ 250 °C
Tolerance	±5%
Differential	10-25 °C
Rotating angle	100- 300 degrees
Temperature changing speed	>1 K/min
Design	Complies to EN 60730
Approval	VDE
Adjusting spindle	min 10 - max 50 mm

TYP98

Dimensions



Bimetallic Thermostat With Fuse Mechanism For Iron Application

FEATURES

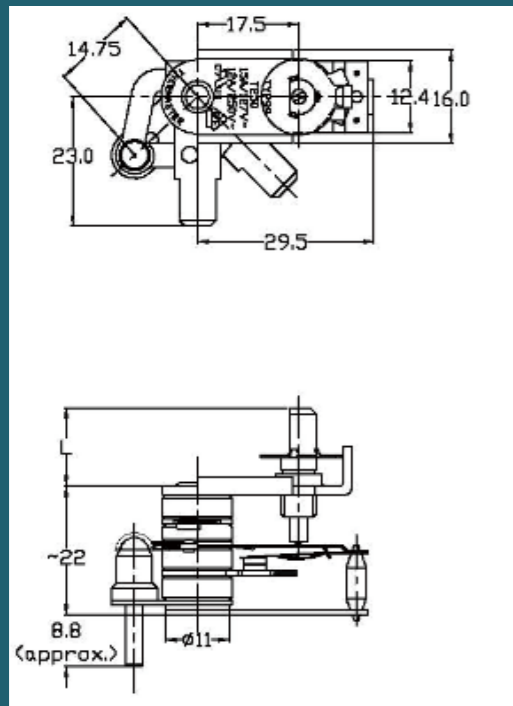
- Stable working temperature
- Good consistency for cold calibration
- Welded clad contacts for durable appliance
- Reliable performance
- Compact structure for fusible alloy built in soleplates
- Complete functions
- High temperature power-off insurance

SPECIFICATIONS

Rated voltage	250VAC /127VAC
Rated current	12A /12A
Test class	II(100,000cycles)
Maximum temperature	250 °C
Operating range	0 °C ~ 250 °C
Tolerance	±5%
Differential	10-25 °C
Rotating angle	100- 300 degrees
Temperature changing speed	>1 K/min
Design	Complies to EN 60730
Approval	VDE /CQC
Adjusting spindle	min 10 - max 50 mm

TYP99

Dimensions



Bimetallic Thermostat With Fuse Mechanism For Iron Application In Higher Amperage

FEATURES

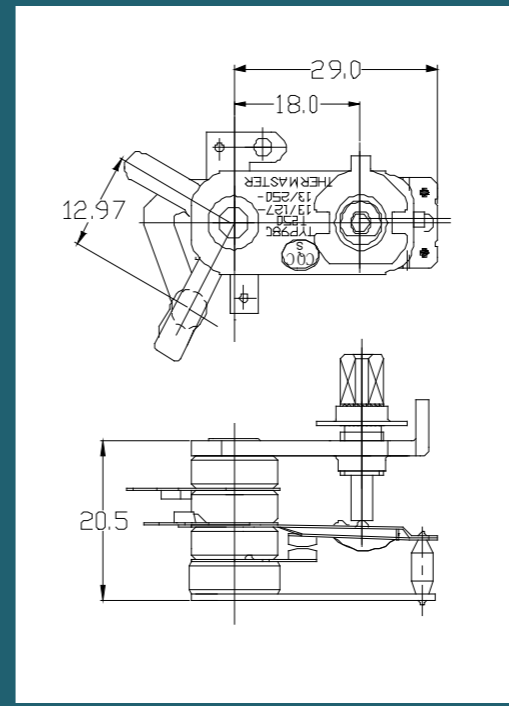
- Stable working temperature
- Good consistency for cold calibration
- Welded clad contacts for durable appliance
- Reliable performance
- Compact structure for fusible alloy built in soleplates
- Complete functions
- Designed for high-power
- High temperature power-off insurance

SPECIFICATIONS

Rated voltage	250VAC/127VAC
Rated current	14A / 15A
Test class	II(100,000cycles)
Maximum temperature	250 °C
Operating range	0 °C ~ 250 °C
Tolerance	±5%
Differential	10-25 °C
Rotating angle	100- 300 degrees
Temperature changing speed	>1 K/min
Design	Complies to EN 60730
Approval	VDE /UL
Adjusting spindle	min 10 - max 50 mm

TYP98C

Dimensions



Bimetallic Thermostat With Fuse Mechanism For Iron Application In Higher Amperage

FEATURES

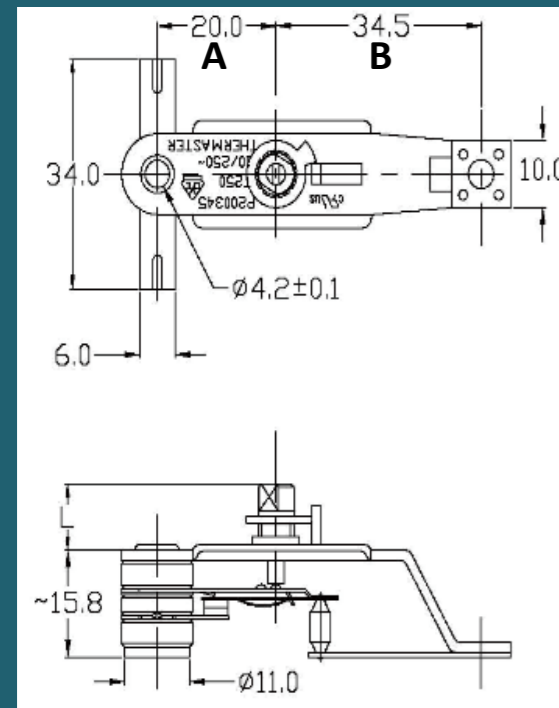
- Stable working temperature
- Good consistency for cold calibration
- Welded clad contacts for durable appliance
- Reliable performance
- Compact structure for fusible alloy built in soleplates
- Complete functions
- Designed for high-power
- High temperature power-off insurance

SPECIFICATIONS

Rated voltage	250VAC/127VAC
Rated current	13A / 13A
Test class	II(100,000cycles)
Maximum temperature	250 °C
Operating range	0 °C ~ 250 °C
Tolerance	±5%
Differential	10-25 °C
Rotating angle	100- 300 degrees
Temperature changing speed	>1 K/min
Design	Complies to IEC 60730
Approval	CQC /CB /CE
Adjusting spindle	min 10 - max 50 mm

P200345

Dimensions



Alternative size: A 18.0 B 38.0 / A 20.0 B 34.5 / A 22.0 B 32.0

Regular Bimetallic Thermostat with snap-action contacts

FEATURES

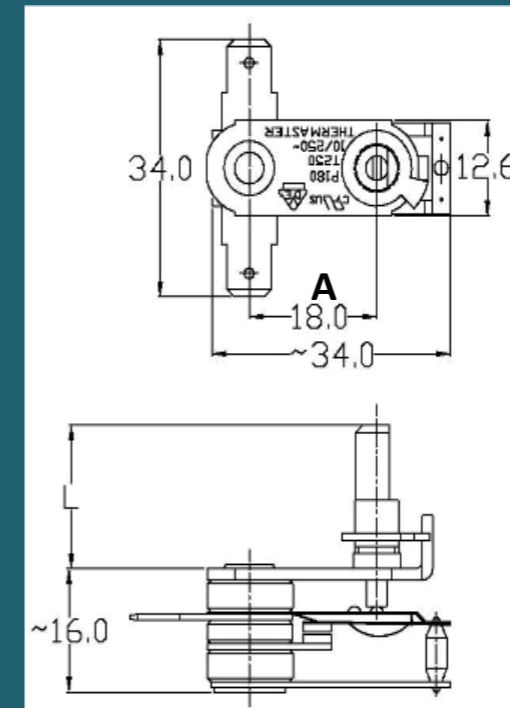
- Stable working temperature
- Rapid thermal response
- Welded clad contacts
- Reliable performance
- Good for cold calibration
- Complete functions

SPECIFICATIONS

Rated voltage	250VAC /120VAC
Rated current	10A / 15A
Test class	II(100,000cycles)
Maximum temperature	250 C
Operating range	0 C ~ 250 C
Tolerance	±5%
Differential	10-25 C
Rotating angle	100- 300 degrees
Temperature changing speed	>1 K/min
Design	Complies to EN 60730
Approval	VDE ,CQC /UL
Adjusting spindle	min 10 - max 50 mm

P180

Dimensions



Alternative size A : 15.0/ 17.5/ 18.0/ 20.0

Bimetallic Thermostat with snap-action contacts

FEATURES

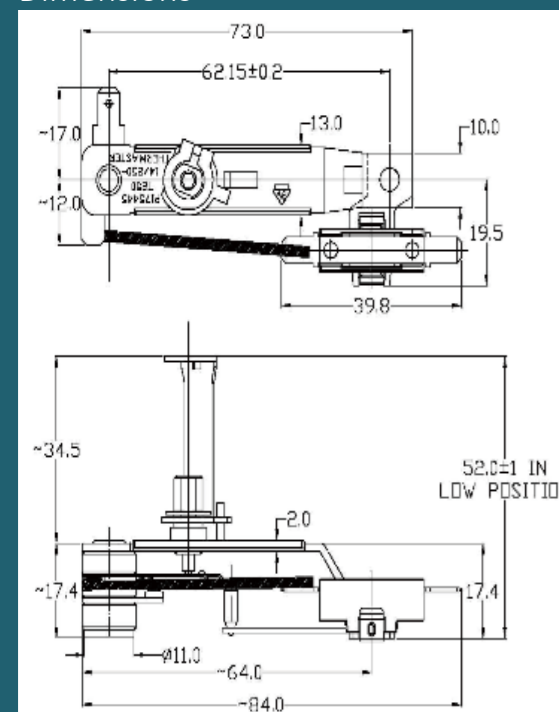
- Good consistency for cold calibration
- Low differential
- Easy mounting
- Solid construction
- Welded clad contacts
- Customer designed spindles and terminals

SPECIFICATIONS

Rated voltage	250VAC /120VAC
Rated current	10A /15A
Test class	II(100,000cycles)
Maximum temperature	250 C
Operating range	0 C ~ 250 C
Tolerance	±5%
Differential	10~25 C
Rotating angle	100- 300 degrees
Temperature changing speed	>1 K/min
Design	Complies to EN60730
Approval	VDE /UL,JET
Adjusting spindle	min 10 - max 50 mm

P175445 & TF308

Dimensions



Thermal Cut-off Intergrated Thermostat For Iron Application

FEATURES

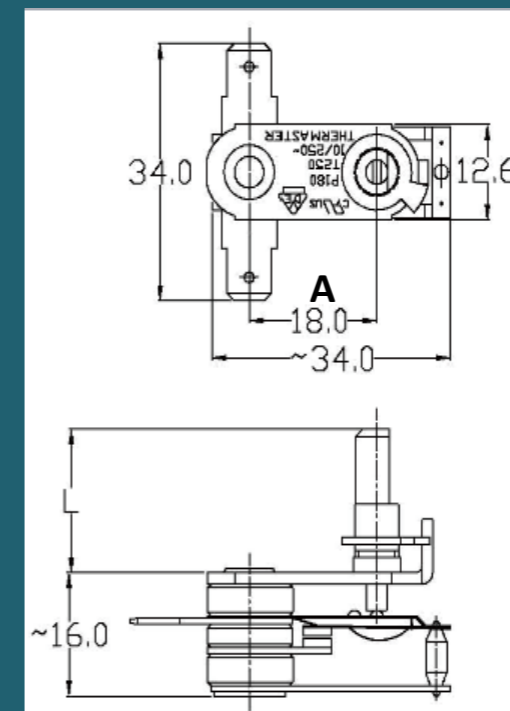
- Integrated solution for soleplate does not contain fusible alloy
- Stable working temperature
- Less assembly cost at iron production
- Improves thermal response and safety from capsule type fuse
- Reliable performance
- Compact structure
- Complete functions
- Designed for high-power
- High temperature power-off insurance

SPECIFICATIONS

Rated voltage	250VAC/120VAC
Rated current	14A / 15A
Test class	II(100,000cycles)
Maximum temperature	250 C
Operating range	0 C ~ 250 C
Tolerance	±5%
Differential	10-25 C
Rotating angle	100- 300 degrees
Temperature changing speed	>1 K/min
Design	Complies to EN 60730
Approval	VDE /UL
Adjusting spindle	min 10 - max 50 mm

PH180

Dimensions



Alternative size A: 15.0/ 17.5/ 18.0/ 20.0

Infinite Energy Control with snap-action contacts

APPLICATION

Especially for ovens, grills, table stoves and other designs where the thermostat mounting location is not sufficient to perform desired control.

FEATURES

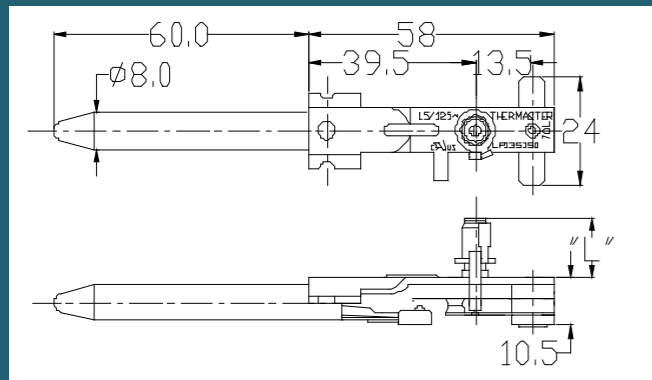
The current flows through the bimetal when the contacts close. The combined influence of ambient heat and the heat from the bimetal itself will actuate the contacts to open. The on-off cycle ratio is a function of the thermostat temperature setting so that it works as an infinite energy control.

SPECIFICATIONS

Rated voltage	250VAC/120VAC
Rated current	10A / 15A
Test class	II(100,000cycles)
Maximum temperature	250 C
Operating range	0 C ~ 250 C
Tolerance	±5%
Differential	10-25 C
Rotating angle	100- 300 degrees
Temperature changing speed	>1 K/min
Design	Complies to EN 60730
Approval	VDE
Adjusting spindle	min 10 - max 50 mm

LP135350

Dimensions



Slow Break Probe Thermostat

FEATURES

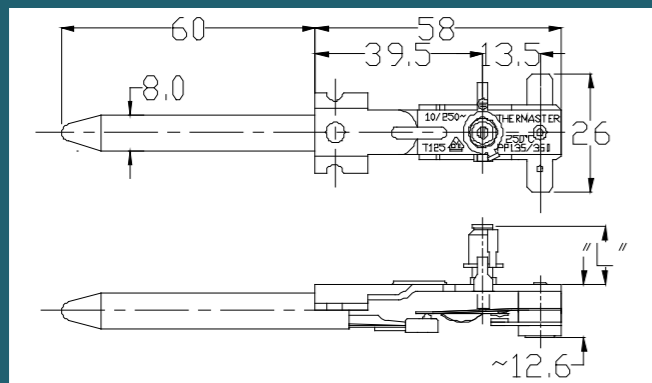
- High working temperature
- Slow break contacts with low differential
- Ideal solution for kitchen heating appliances
- Customized power cord controller assembly available
- Designed for high-amperage

SPECIFICATIONS

Rated voltage	120VAC
Rated current	15A
Test class	II(100,000cycles)
Maximum temperature	250 °C
Operating range	0 °C ~ 250 °C
Tolerance	±5%
Differential	< 15 °C
Rotating angle	100- 300 degrees
Temperature changing speed	>1 K/min
Approval	UL
Adjusting spindle	min 10 - max 50 mm

PP135/350

Dimensions





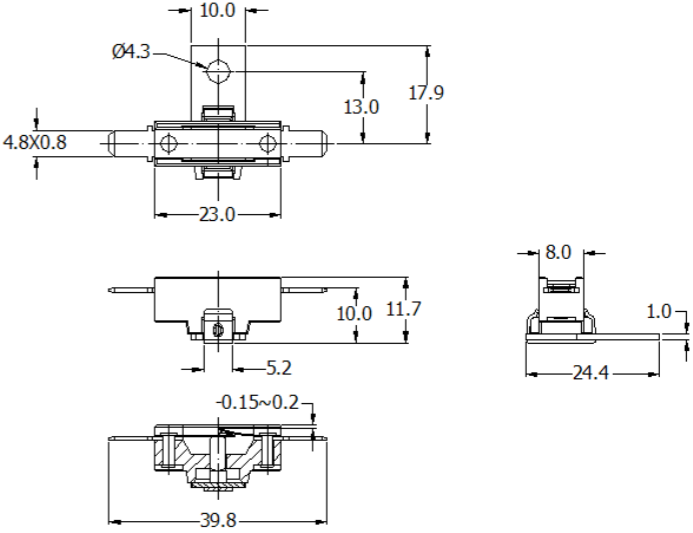
Probe Thermostat with snap-action contacts






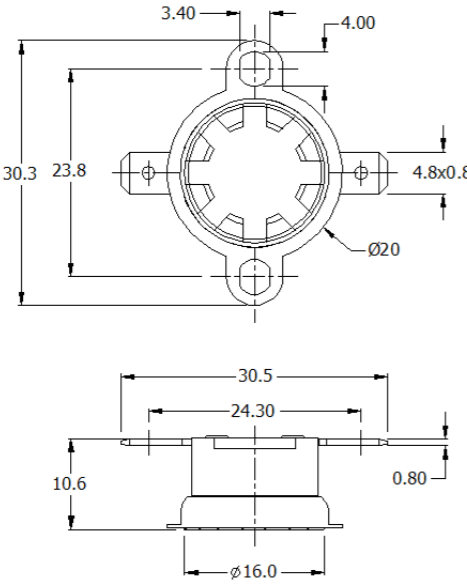
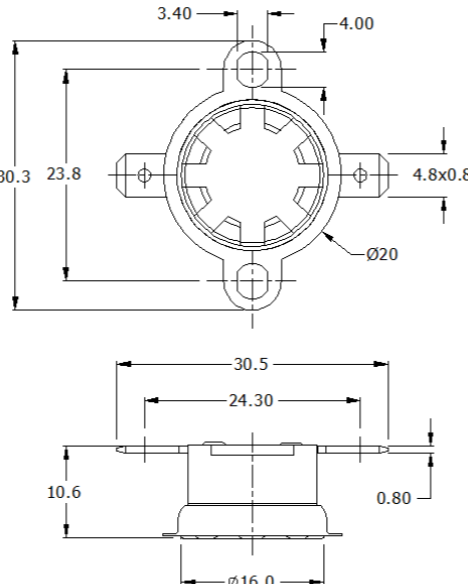
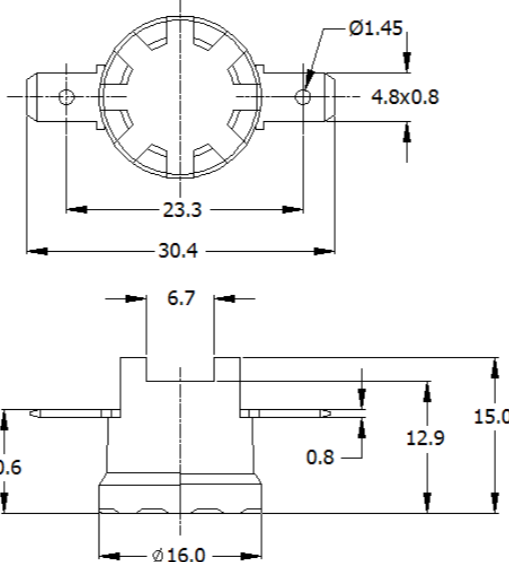
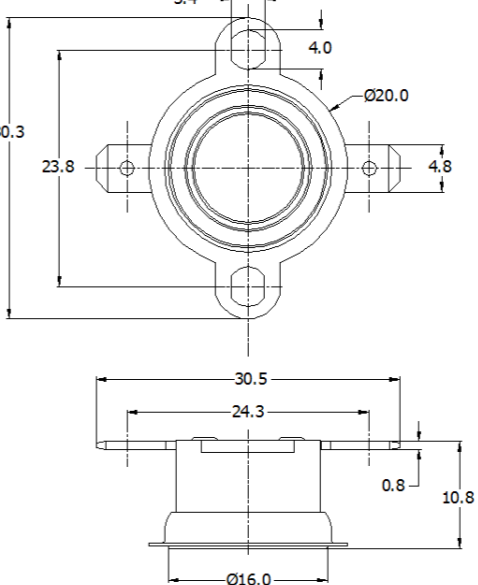
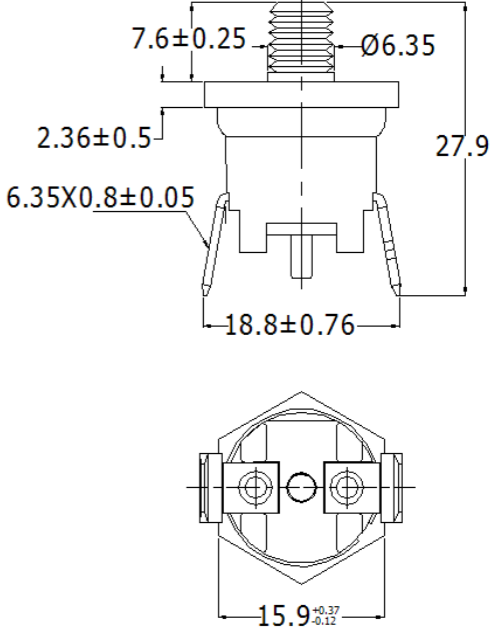
FEATURES

- High working temperature
- Snap action contacts supporting durable product life
- Ideal solution for kitchen heating appliances
- Customized power cord controller assembly available
- Patented probe design with good thermal response

SPECIFICATIONS

Rated voltage	250VAC/120VAC
Rated current	10A / 15A
Test class	II(100,000cycles)
Maximum temperature	250 °C
Operating range	0 °C ~ 250 °C
Tolerance	±5%
Differential	10-25 °C
Rotating angle	100- 300 degrees
Temperature changing speed	>1 K/min
Design	Complies to EN 60730
Approval	VDEW
Adjusting spindle	min 10 - max 50 mm

TYPE	TF255	TF308
Function	The TF is equipped with a solder insert placed in direct contact with the sensing plate. Upon reaching the specified temperature, the solder melts, opening the electrical contacts. Resetting is impossible.	
Features	<ul style="list-style-type: none"> - High working temperature - High holding temperature - No chemical aging risk - Reliable ceramics housing - Easy mounting - Solid construction 	
Housing material (ceramics)		
Drawing		
Power capacity	VDE: 250V/10A/15A	VDE: 250V/10A UL: 120V/15A
Contact resistance	≤10mΩ	
Dielectric strength	2000VAC,0.5mA,1S	
Insulation resistance	500VDC,100MΩ	
Proof tracking index	CTI 250	
Rated functioning Temp.	255 °C	308 °C

	DT1(SOD)	DT7	DT9	ST1	MD1
Name	Single Operation Device	Fixed Temperature Auto Reset Bimetallic Thermostat			Fixed Temperature Manual Reset Bimetallic Thermostat
Application	Works as fuse but with customized functioning temperature	Designed for coffee pot, electric iron, fryer, water heater and other fixed temperature control appliances.			
Housing material (ceramics)					
Drawing					
Power capacity	VDE: 250V/10A UL: 120V/12A	VDE: 250V/10A×100000cycles UL: 120V/12A×100000cycles	VDE: 250V/10A×100000cycles UL: 120V/12A×100000cycles	TUV: 250V/15A×100000cycles UL: 120V/15A×100000cycles	CQC: 250V/15A×6000cycles CB: 120V/15A×6000cycles
Contact resistance	≤50mΩ	≤50mΩ	≤50mΩ	≤50mΩ	≤50mΩ
Dielectric strength	2000VAC,0.5mA,1S	2000VAC,0.5mA,1S	2000VAC,0.5mA,1S	2000VAC,0.5mA,1S	2000VAC,0.5mA,1S
Insulation resistance	500VDC,100MΩ	500VDC,100MΩ	500VDC,100MΩ	500VDC,100MΩ	500VDC,100MΩ
Proof tracking index	PTI 250	PTI 250	PTI 250	PTI 250	PTI 250
Operating temp.	MAX.210℃	-20℃ ~ 185℃	-20℃ ~ 185℃	-20℃ ~ 200℃	50℃ ~ 210℃
Tolerance range	±3℃ /±5℃ /±8℃ Provide other values on request	±3℃ /±5℃ /±8℃ Provide other values on request	±3℃ /±5℃ /±8℃ Provide other values on request	±3℃ /±5℃ /±8℃ Provide other values on request	±3℃ /±5℃ /±8℃ Provide other values on request
Difference	Reset temperature≤-35℃	10 ~ 25K Provide other values on request	10 ~ 25K Provide other values on request	10 ~ 25K Provide other values on request	Reset temperature≤-35℃
Measure speed of the temp.	1K/min.	1K/min.	1K/min.	1K/min.	1K/min.
Temperature limits of the switch head	0℃ ~ 250℃	-40℃ ~ 220℃	-40℃ ~ 220℃	-40℃ ~ 220℃	MAX220℃
Terminal	0°/30°/45°/60°/90° Provide other values on request	0°/30°/45°/60°/90° Provide other values on request	0°/30°/45°/60°/90° Provide other values on request	0°/30°/45°/60°/90° Provide other values on request	0°/30°/45°/60°/90° Provide other values on request