

# ZETTLER

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Catalog Revision A

This catalog features our most popular thermostats and temperature controls. This is a small sampling of the many configurations and variations that we offer. We welcome the opportunity to discuss any requirements that you may have. **Please send your inquiries to: [sales@zettler.com](mailto:sales@zettler.com)**



## KSD301A 1/2" (12.7mm) Series Snap-Action Temperature Controls

**Similar to TOD Series 36T**

### Specifications

1. Electrical Ratings: AC120V 5A, 10A, 16A, AC250V 10A, 16A, 20A
2. OFF Temperature Range
  - a. Ceramic: -0°C ~ 250°C (-32F~ 482°F)
  - b. Bakelite: -30°C ~ 150°C (-22F~ 287°F)
3. Tolerance: Min ± 2°C Standard ± 5°C
4. A variety of terminal, switch case and mounting configurations are available for maximum design flexibility
5. NOTE: Please contact us to discuss specific custom requirements

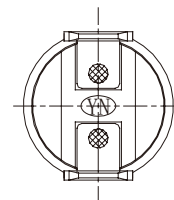
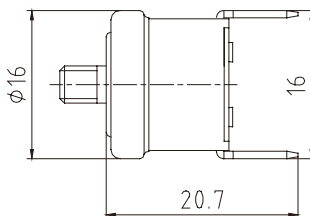
### Applications:

Boiler, Water Heater, Vacuum Cleaner, Copier, Electric Stove, Oven, Dryer, Refrigerator, Dish Washer, Air-Conditioning etc.

**Approvals: UL CQC TUV VDE CUL CE**



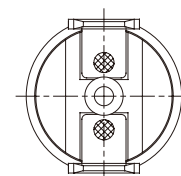
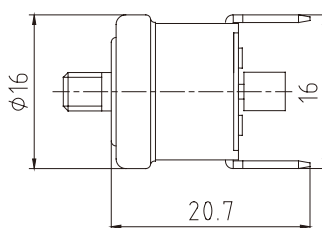
A013



**Material:**  
Bakelite  
Ceramic  
PPS




A013R

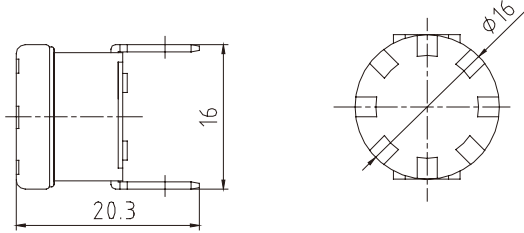


**Material:**  
Bakelite  
Ceramic






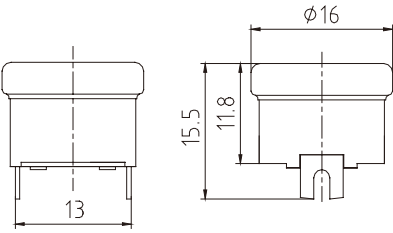
**A113**




**Material:**  
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Ceramic  
PPS



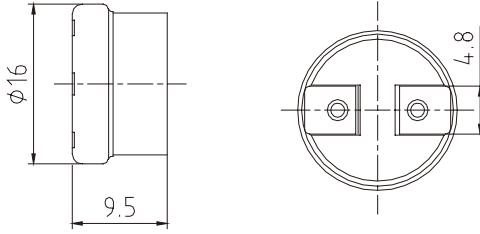
**A113B**




**Material:**  
Bakelite  
Ceramic  
PPS



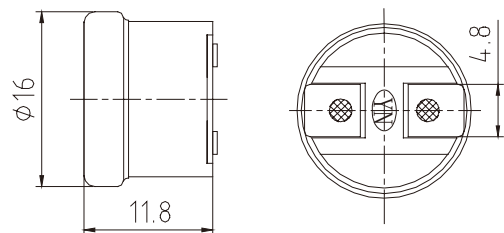
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**Material:**  
Bakelite



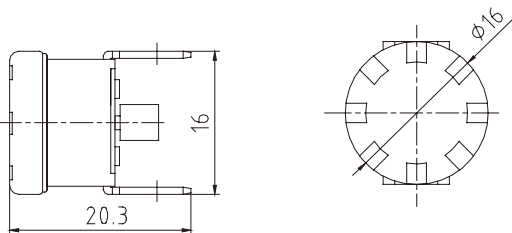
**A113F**




**Material:**  
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Ceramic  
PPS



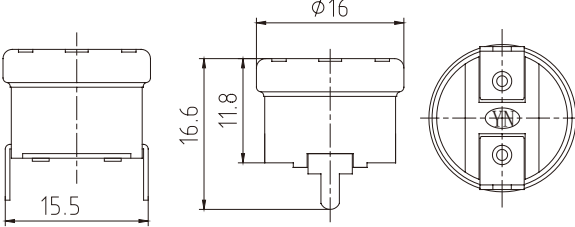
**A113R**




**Material:**  
Bakelite  
Ceramic



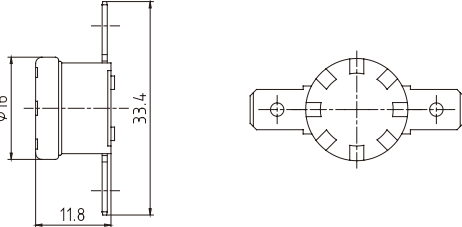
**A113T**




**Material:**  
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Ceramic  
PPS



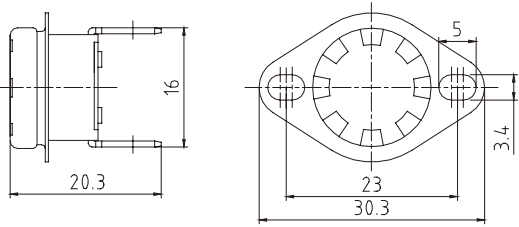
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**Material:**  
Bakelite  
Ceramic  
PPS



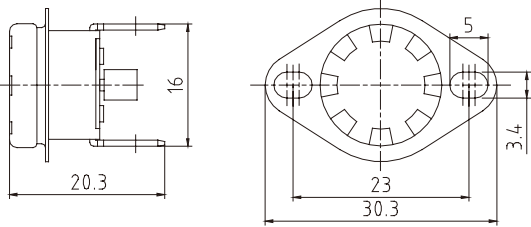
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**Material:**  
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Ceramic  
PPS



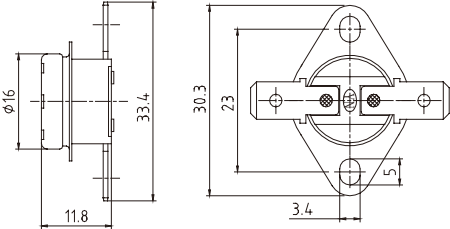
**A313R**



**Material:**  
Bakelite  
Ceramic




**A314**

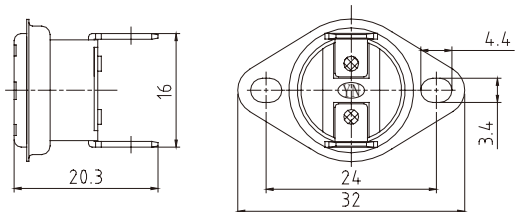


**Material:**  
Bakelite  
Ceramic  
PPS






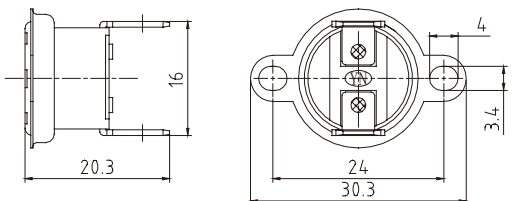
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**Material:**  
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Ceramic  
PPS



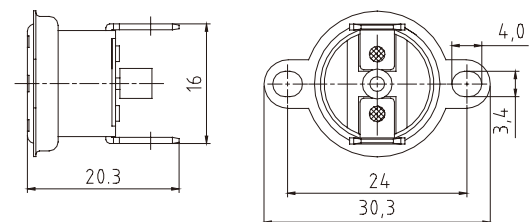
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**Material:**  
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Ceramic  
PPS



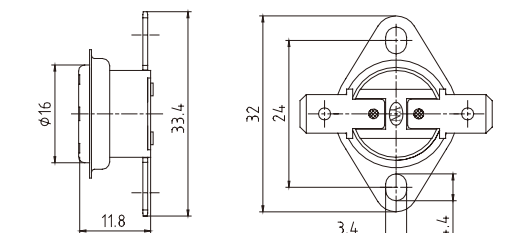
**A333R**




**Material:**  
Bakelite  
Ceramic



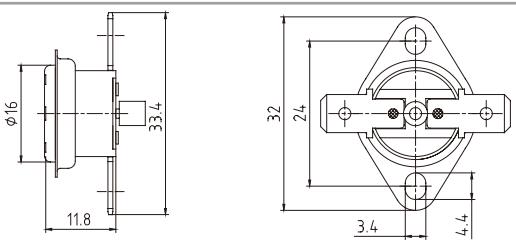
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Ceramic  
PPS



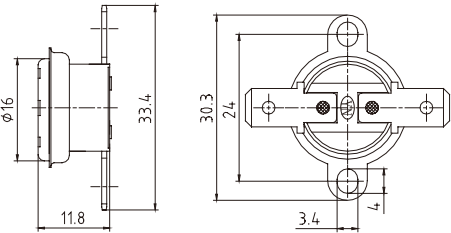
**A324R**




**Material:**  
Bakelite  
Ceramic



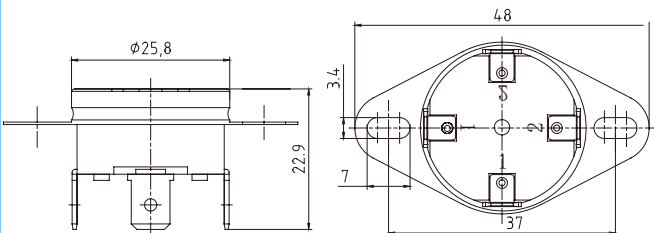
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**Material:**  
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Ceramic  
PPS



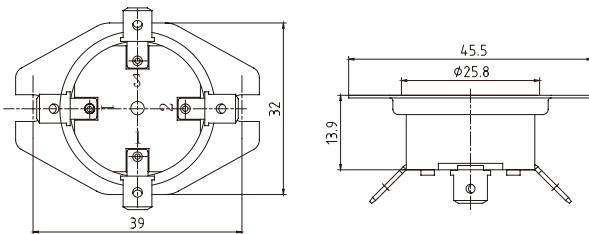
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**Material:**  
Bakelite



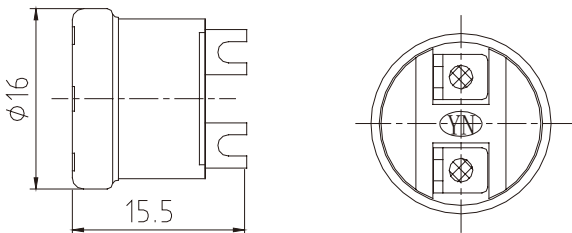
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Bakelite



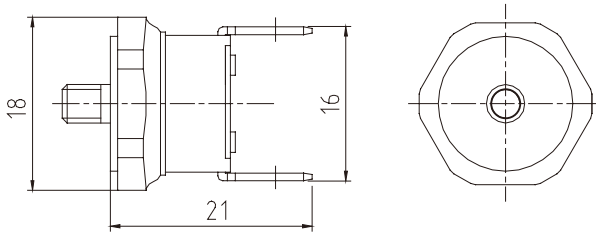
**A617**



**Material:**  
Bakelite  
Ceramic  
PPS




**A813**

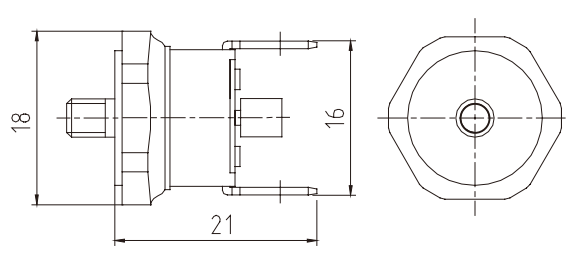


**Material:**  
Bakelite  
Ceramic  
PPS






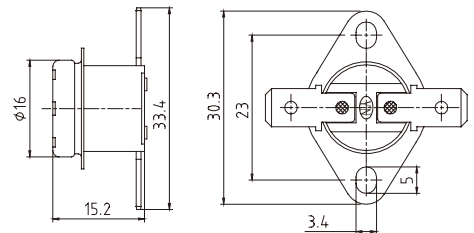
**A813R**




**Material:**  
Bakelite  
Ceramic  
PPS



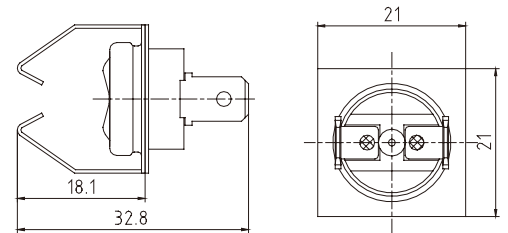
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**Material:**  
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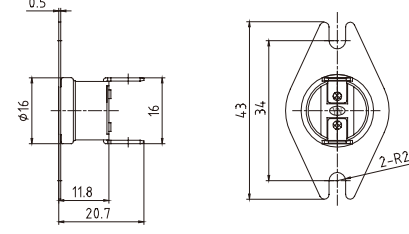
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**Material:**  
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Ceramic



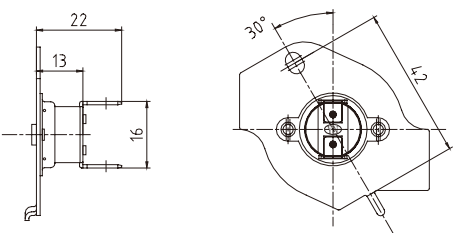
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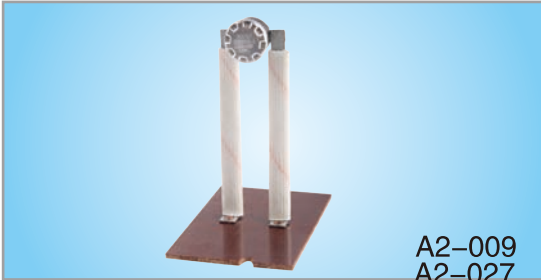
**Material:**  
Bakelite  
Ceramic  
PPS



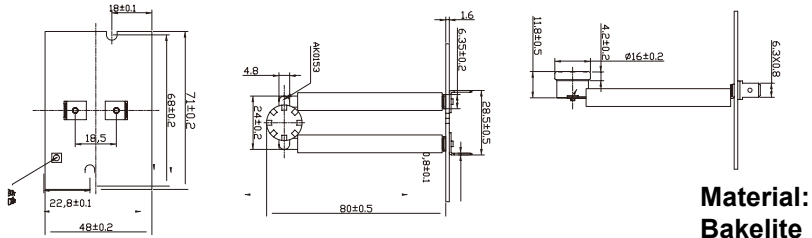
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Ceramic



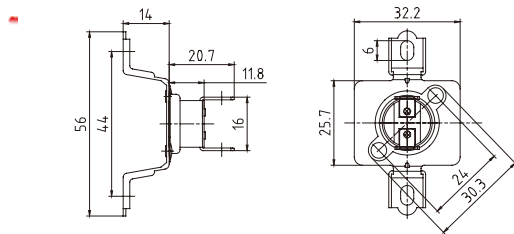
A2-009  
A2-027



**Material:**  
Bakelite



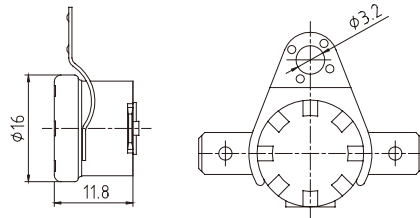
A2-010



**Material:**  
Bakelite  
Ceramic



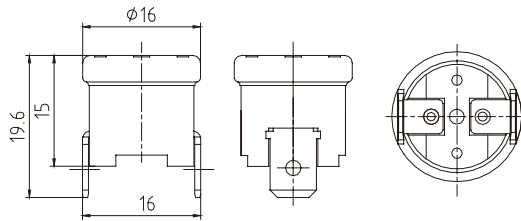
A2-018



**Material:**  
Bakelite  
Ceramic  
PPS



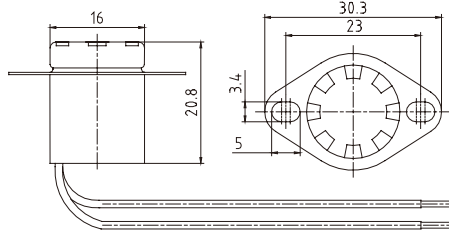
A2-022B



**Material:**  
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Ceramic  
PPS



A2-029

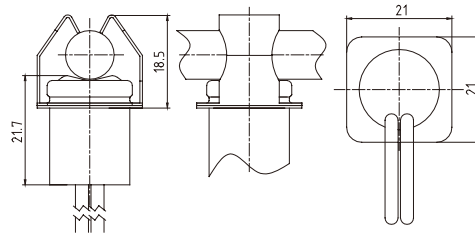


**Material:**  
Bakelite  
PPS

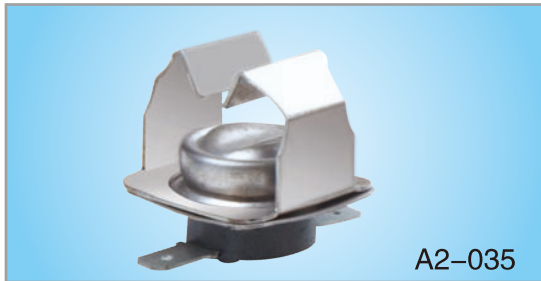




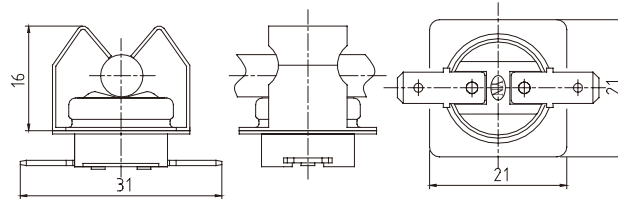
A2-030



**Material:**  
Bakelite  
PPS



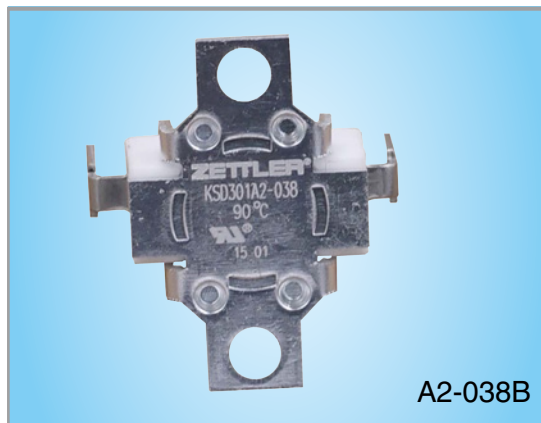
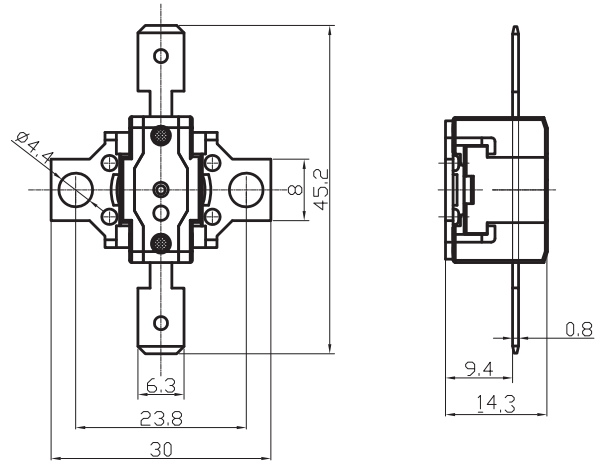
A2-035



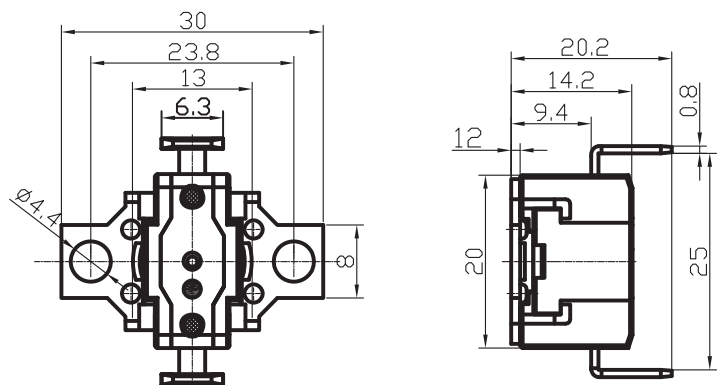
**Material:**  
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Ceramic  
PPS

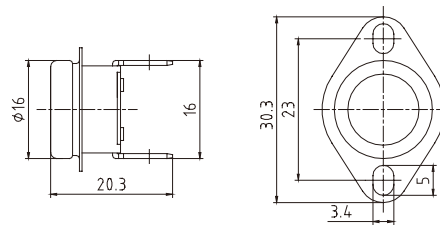
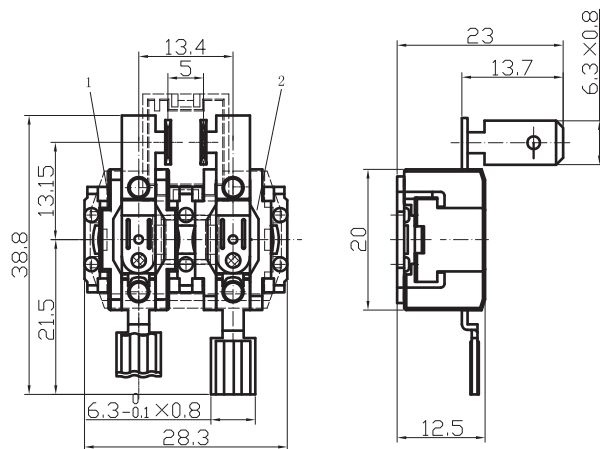
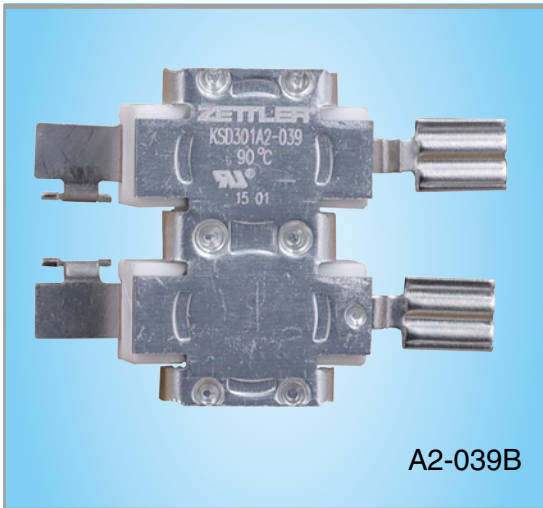
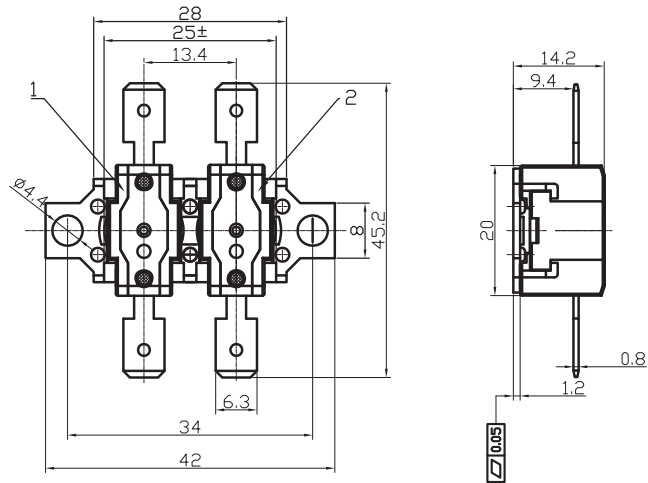


A2-038A



A2-038B





**Material:**  
**Bakelite**  
**Ceramic**  
**PPS**

## KSD301B Series Temperature Controls

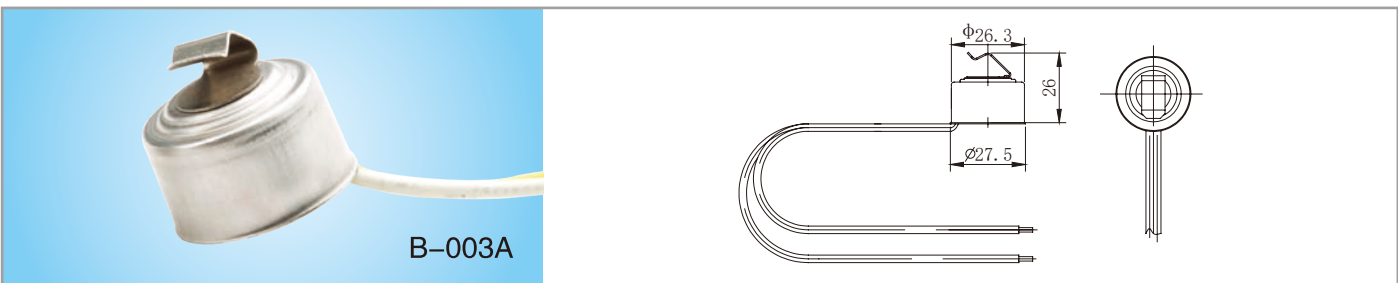
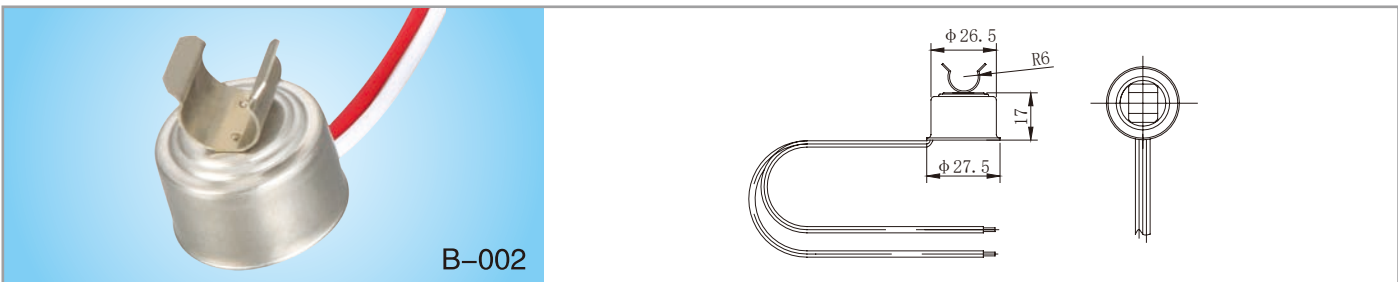
### Specifications


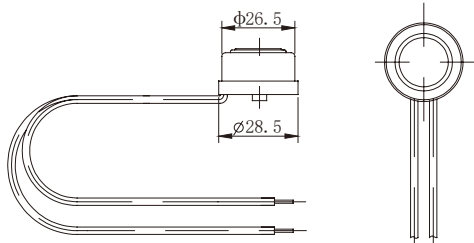

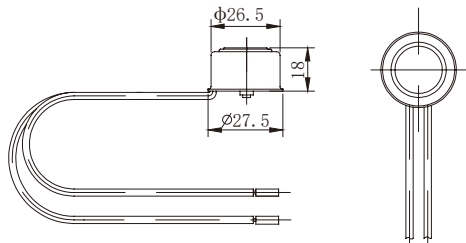

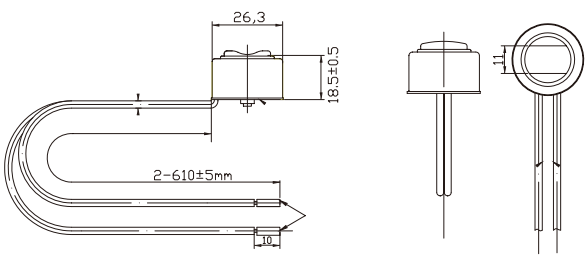

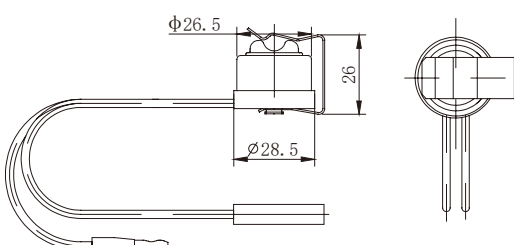

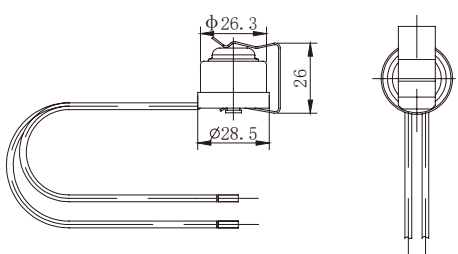
1. Electrical Ratings: AC120V/240V/277V 5A 15A, AC250V 10A 16A 25A
2. OFF Temperature Range -30°C ~ 105°C (-22°F~ 221°F)
3. Diff Temp: Min 5°C ; Standard 15~25°C
4. Tolerance: Min ± 3°C Standard ± 5°C
5. A variety of terminal, switch case and mounting configurations are available for maximum design flexibility
6. NOTE: Please contact us to discuss specific custom requirements

### Applications:


Refrigerator, Air-Conditioning, Ice maker, Freezer, etc.

**Approvals: UL CQC TUV VDE CUL CE**

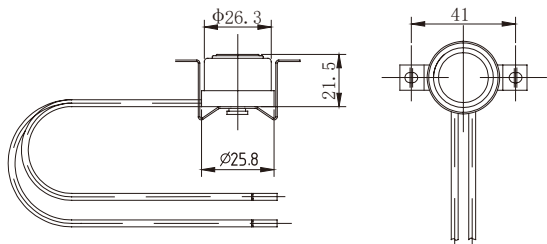



 <p>B-004</p>	
 <p>B-006</p>	
 <p>B-006B (φ 16)</p>	
 <p>B-007</p>	
 <p>B-008</p>	



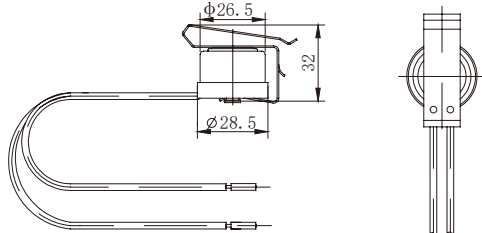



**B-010**



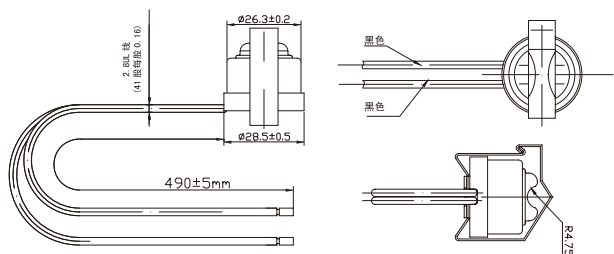



**B-012**



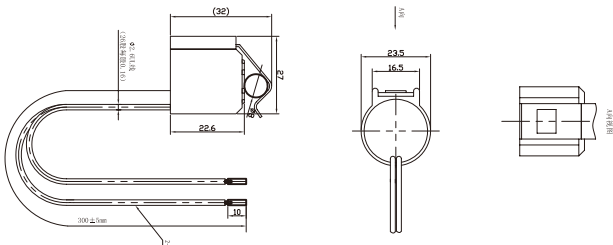



**B-017**



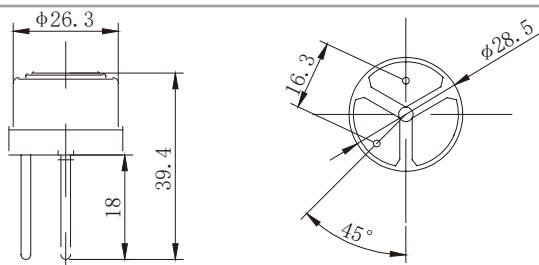


**B-018**



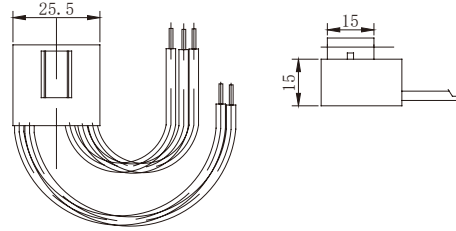


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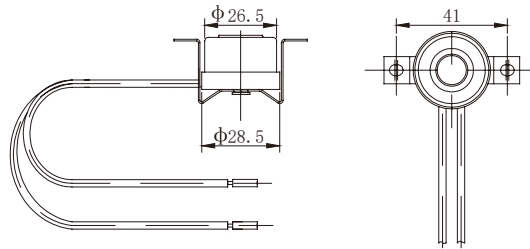




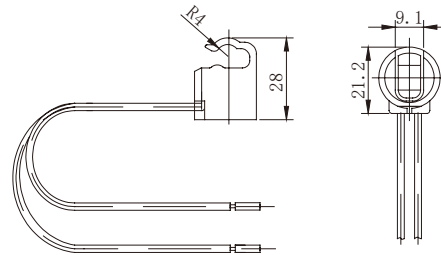
B-022



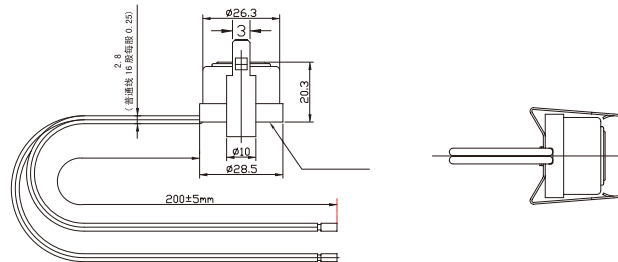
B-023



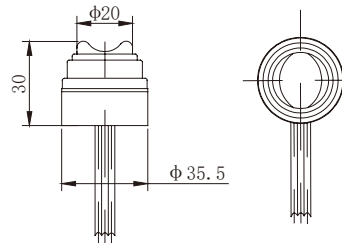
B-024



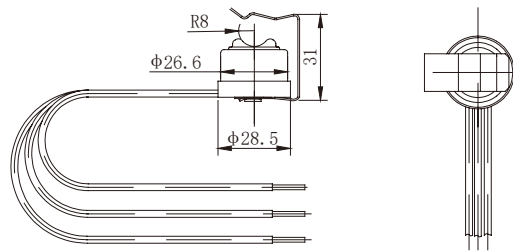
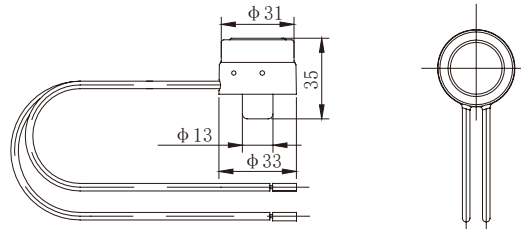
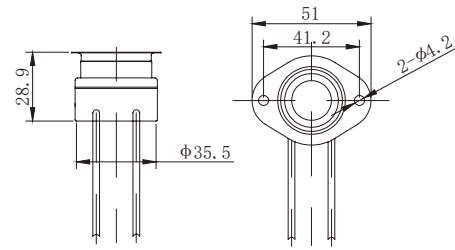
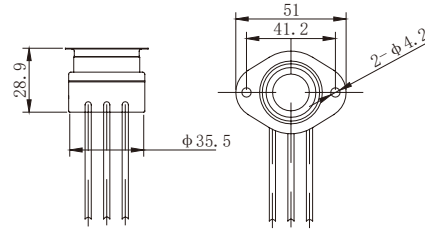
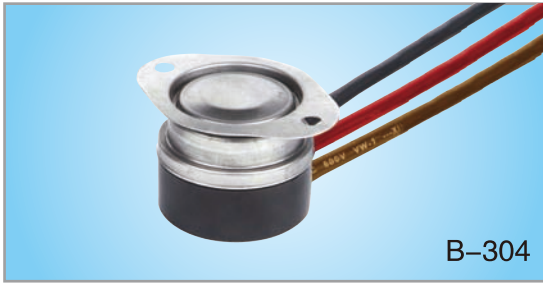
B-025



B-301







## KSD301C 3/4" (19mm) Series Temperature Controls

### Specifications

Similar to TOD Series 60T

1. Electrical Ratings: AC125V 5A 15A, AC250V 5A 10A 16A
2. OFF Temperature Range:
3. Bakelite: Automatic -30°C ~ 150°C; 30°C ~ 150°C
4. Tolerance: Automatic: Min ± 3°C Standard ± 5°C, Manual: Min ± 4°C Standard ± 5°C
5. A variety of mounting flanges are available to meet the insulation requirements.

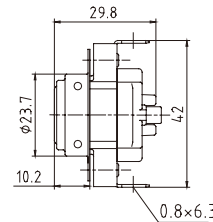
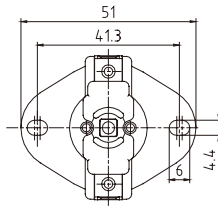
### Applications:

Air Conditioners, heating and ventilating equipment, vending machines, dryers, unit heaters, tabletop appliances, etc.

**Approvals: UL CQC TUV VDE CUL**



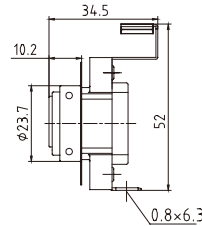
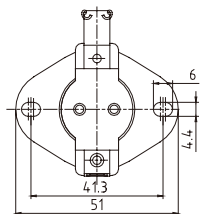
C-001R



**Material:**  
a. Bakelite  
**Load:**  
250V / 25A  
**Switch Action:**  
SPST



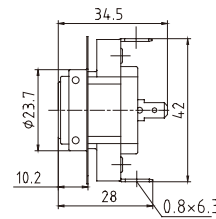
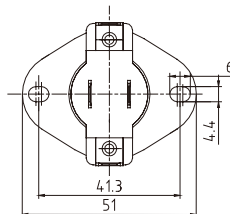
C-002



**Material:**  
a. Bakelite  
**Load:**  
250V / 25A 600V / 15A  
**Switch Action:**  
SPST



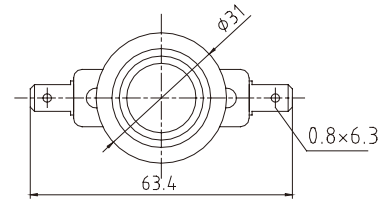
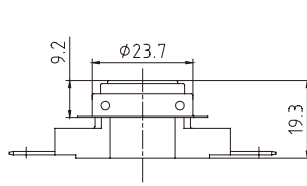
C-003



**Material:**  
a. Bakelite  
**Load:**  
250V / 25A 600V / 15A  
**Switch Action:**  
SPST



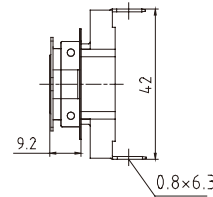
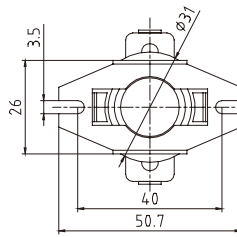
C-004



**Material:** a. Bakelite **Load:** 250V / 25A 600V / 15A **Switch Action:** SPST



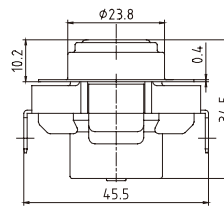
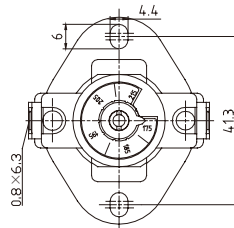
C-004A



**Material:**  
a. Bakelite  
**Load:**  
250V / 25A  
**Switch Action:**  
SPST



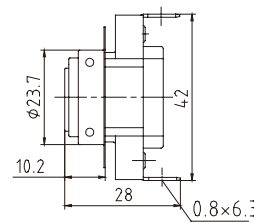
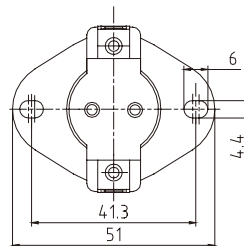
C-005



**Material:**  
a. Bakelite  
**Load:**  
250V / 25A  
**Switch Action:**  
SPST



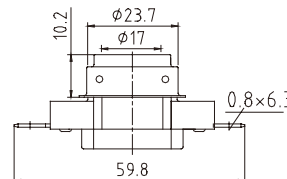
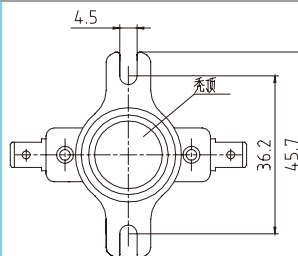
C-007



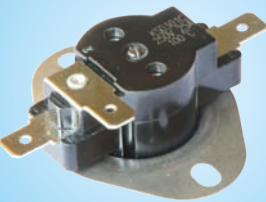
**Material:**  
a. Bakelite  
**Load:**  
250V / 25A 600V / 15A  
**Switch Action:**  
SPST



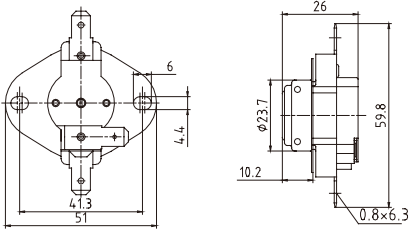
C-007S



**Material:**  
a. Bakelite  
**Load:**  
250V / 25A 600V / 15A  
**Switch Action:**  
SPST


**C-008**



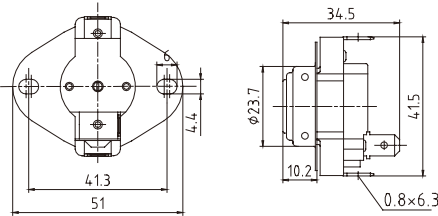
**Material:**  
a. Bakelite

**Load:**  
250V / 25A 600V / 15A

**Switch Action:**  
SPDT




**C-008B**      **C-008C**



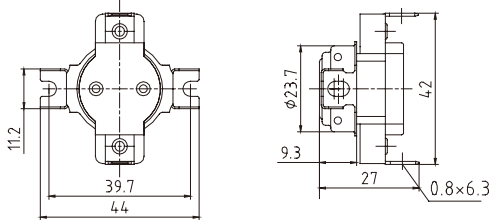
**Material:**  
a. Bakelite

**Load:**  
250V / 25A 600V / 15A

**Switch Action:**  
SPDT




**C-009**      **C-009B**



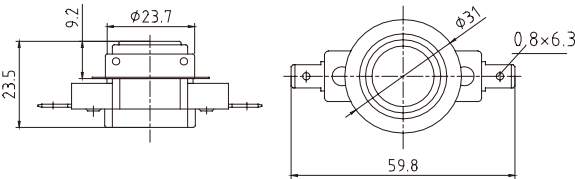
**Material:**  
a. Bakelite

**Load:**  
250V / 25A 600V / 15A

**Switch Action:**  
SPST




**C-011**



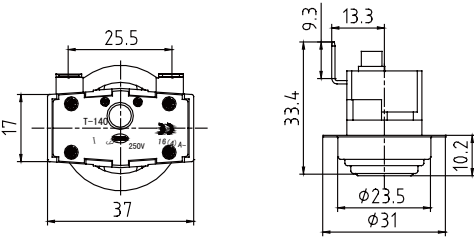
**Material:**  
a. Bakelite, b. Ceramic

**Load:**  
250V / 25A 600V / 15A

**Switch Action:**  
SPST



**C-013R**      **C-013**




**Material:**  
a. Bakelite

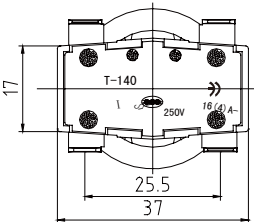
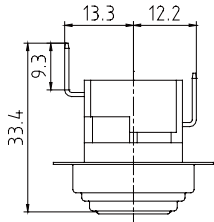
**Load:**  
250V / 25A

**Switch Action:**  
SPST






**C-014(4Pin)**

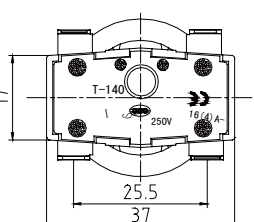
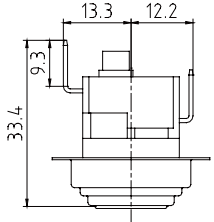
**Material:**  
a. Bakelite

**Load:**  
250V / 16A

**Switch Action:**  
SPST DPST




**C-014R(4Pin)**

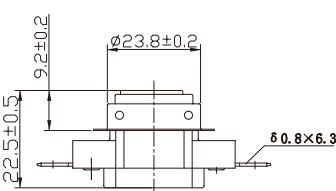
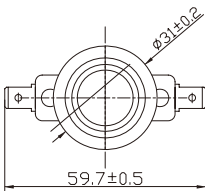
**Material:**  
a. Bakelite

**Load:**  
250V / 16A

**Switch Action:**  
SPST DPST




**C-017**

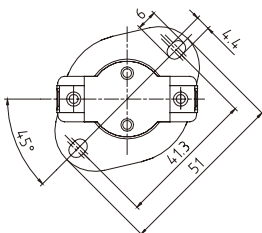
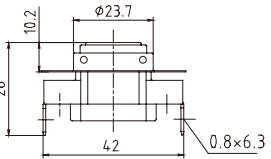
**Material:**  
a. Bakelite b. Ceramic

**Load:**  
250V / 25A 600V / 15A

**Switch Action:**  
SPST




**C-018**

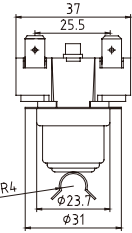
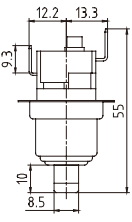
**Material:**  
a. Bakelite b. Ceramic

**Load:**  
250V / 25A 600V / 15A

**Switch Action:**  
SPST



**C-021R**


**Material:**  
a. Bakelite

**Load:**  
250V / 16A

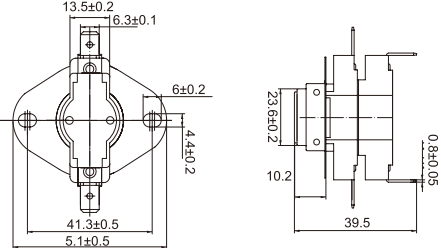
**Switch Action:**  
SPST DPST








**C-022**



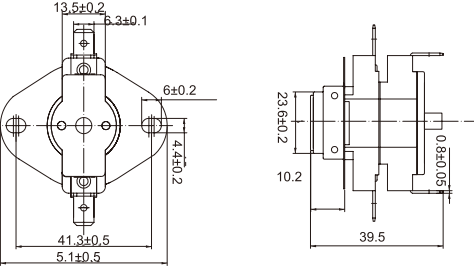
**Material:**  
a. Bakelite

**Load:**  
250V / 25A

**Switch Action:**  
DPST 2SPST




**C-022R**



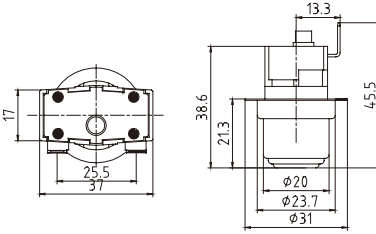
**Material:**  
a. Bakelite

**Load:**  
250V / 25A

**Switch Action:**  
DPST 2SPST




**C-023R**



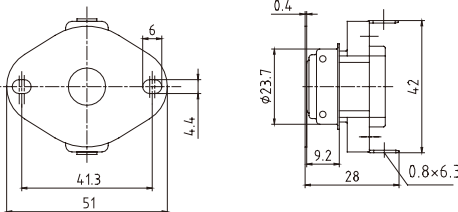
**Material:**  
a. Bakelite

**Load:**  
250V / 16A

**Switch Action:**  
SPST




**C-025**



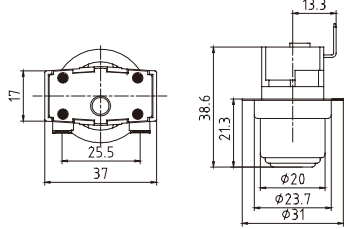
**Material:**  
a. Bakelite b. Ceramic

**Load:**  
250V / 25A 600V / 15A

**Switch Action:**  
SPST



**C-027**



**Material:**  
a. Bakelite


**Load:**  
250V / 16A

**Switch Action:**  
SPST

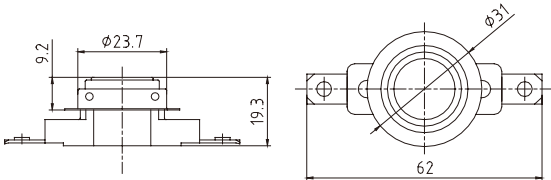
**Terminal:**  
Nickell plated Brass








**C-301**



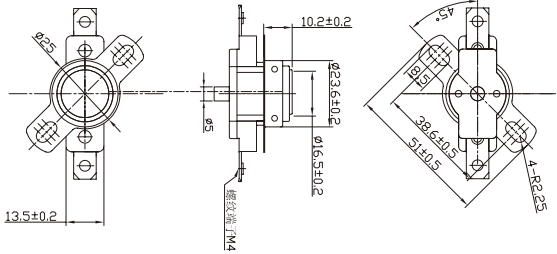
**Material:**  
a. Bakelite

**Load:**  
250V / 45A

**Switch Action:**  
SPST




**C-301R**



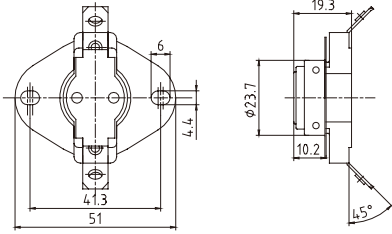
**Material:**  
a. Bakelite

**Load:**  
250V / 45A

**Switch Action:**  
SPST




**C-302**



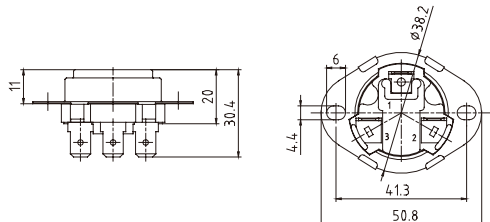
**Material:**  
a. Bakelite

**Load:**  
250V / 45A

**Switch Action:**  
SPST



**C-305**



**Material:**  
a. Bakelite

**Load:**  
250V / 25A

**Switch Action:**  
SPST

## KSD301C Heat Sequencers - Time Delays

### Features

Controls the delayed operation of heating elements or fans in electric furnaces and heat pumps

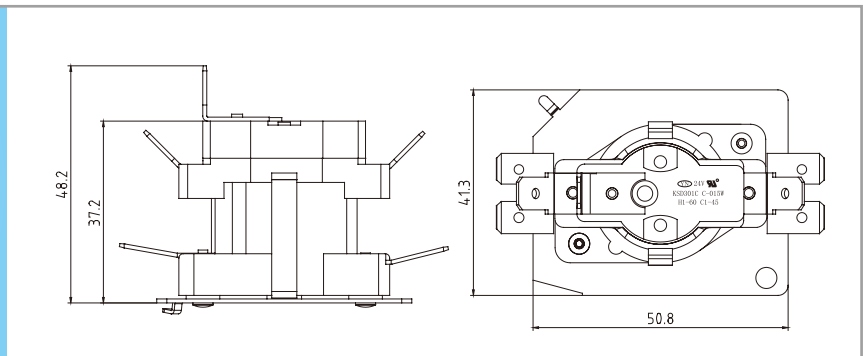
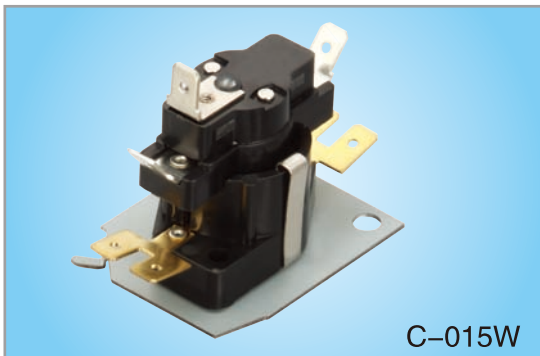
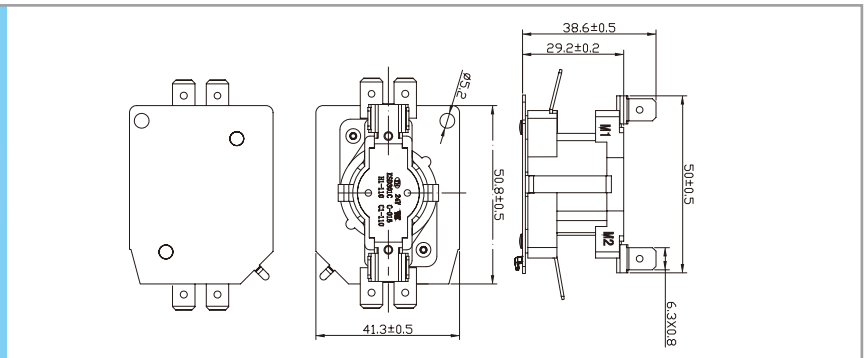
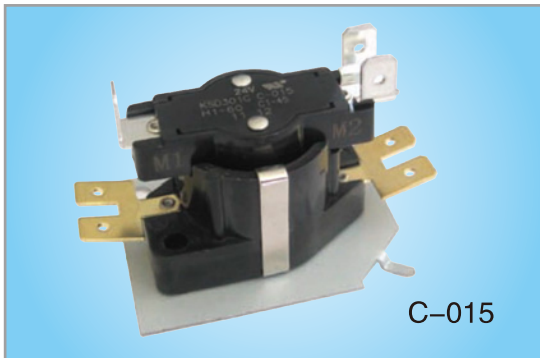
Combines a solid-state positive temperature coefficient (PTC) heater, Option of single, double, or three independent timing contacts.

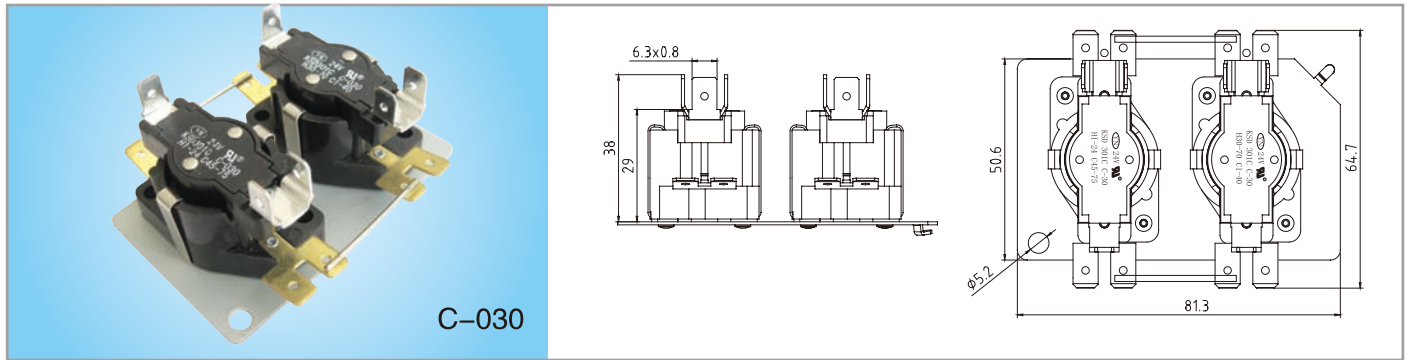
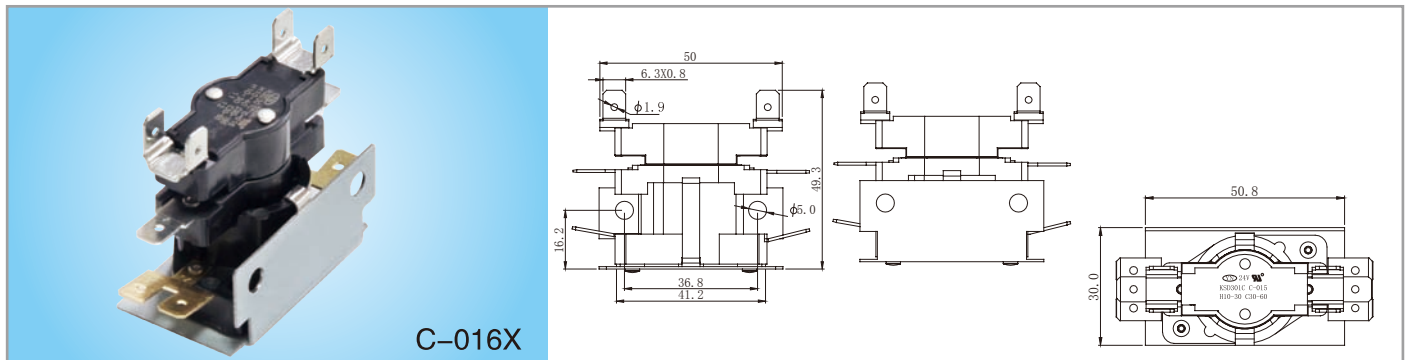
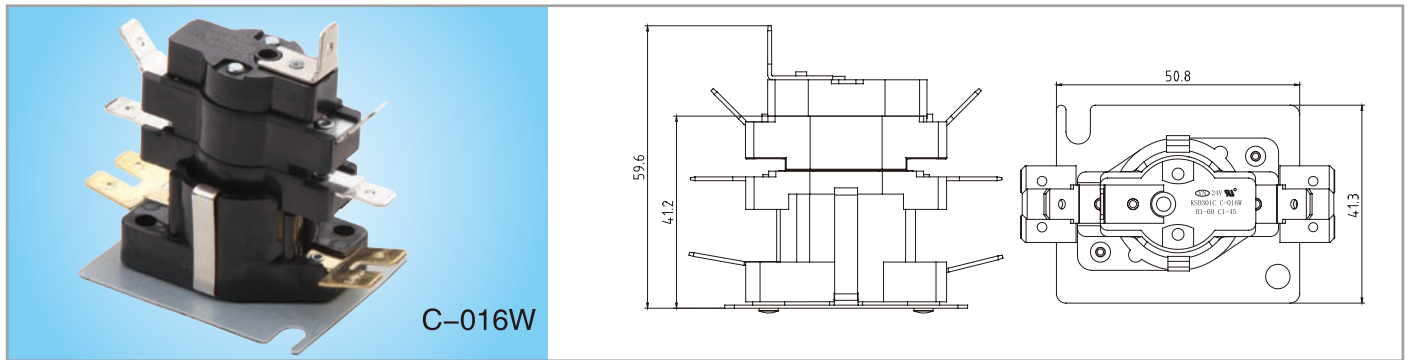
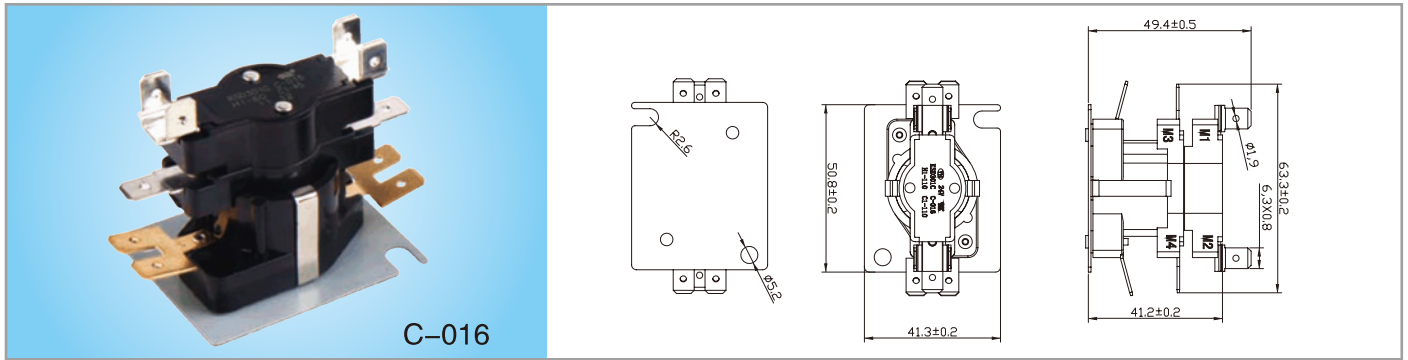
UL and CUL approval

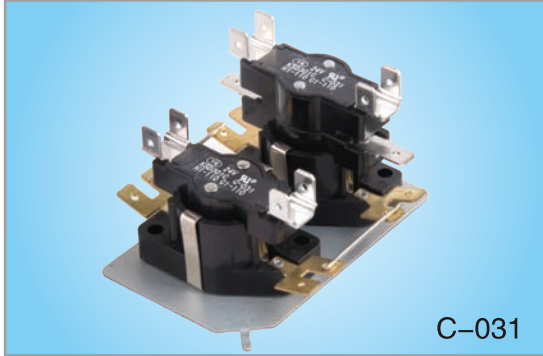
### Applications

Electric Furnaces, Heat Pumps, Gas Furnaces, etc.

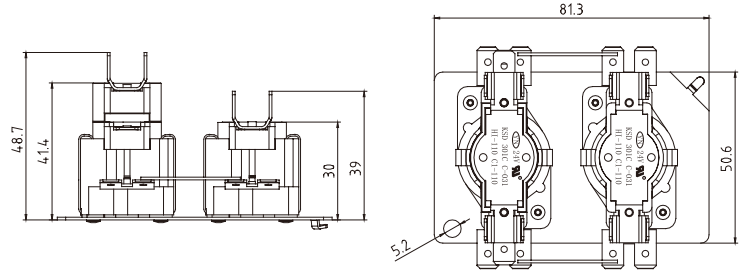
### Approvals: UL CUL



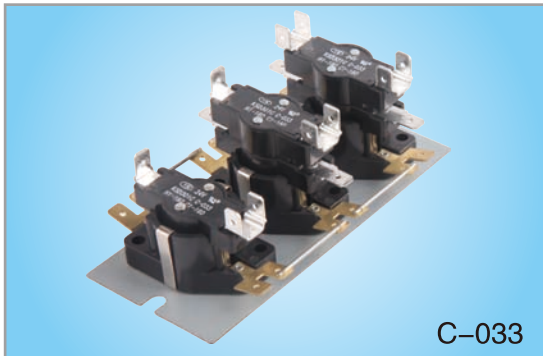
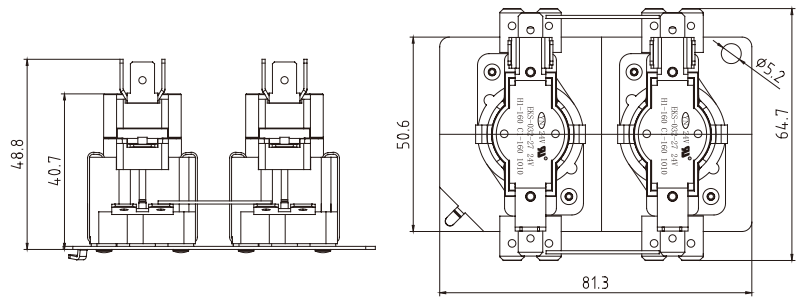




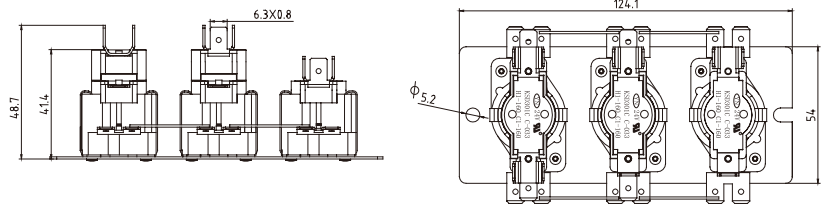
C-031



C-032



C-033



## KSD301C Series Temperature Sensing Controls


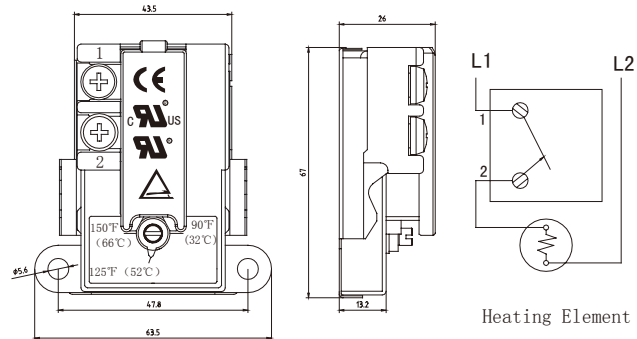

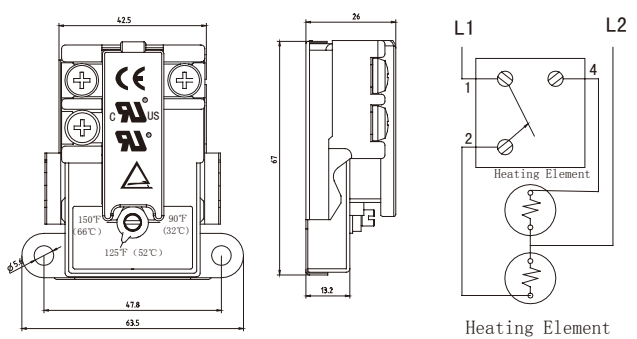

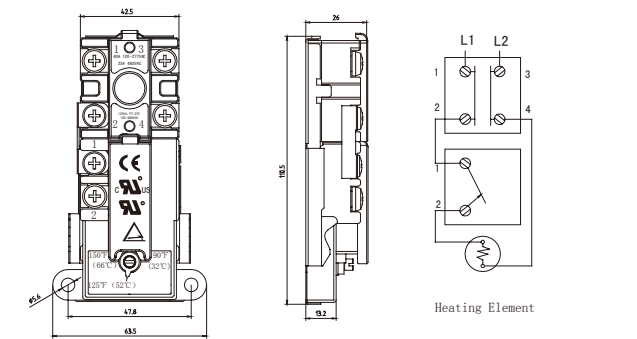
UNIVERSAL REPLACEMENTS FOR ELECTRIC WATER HEATER THERMOSTATS

Panel Mount Temperature Sensing Controls

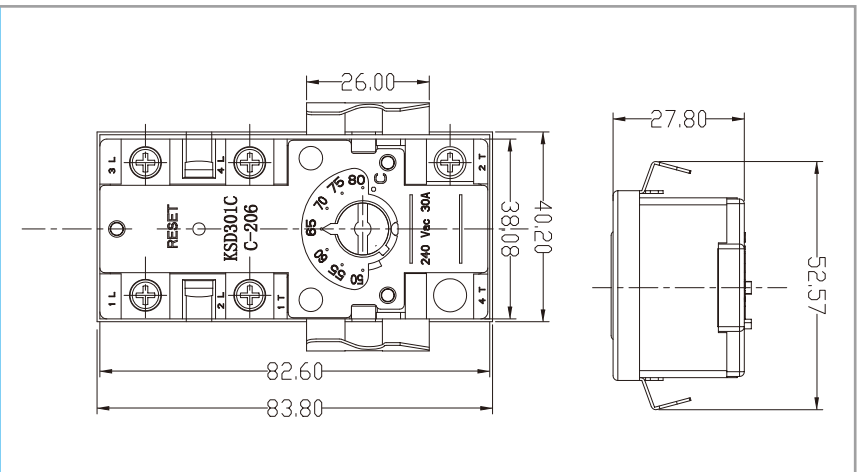
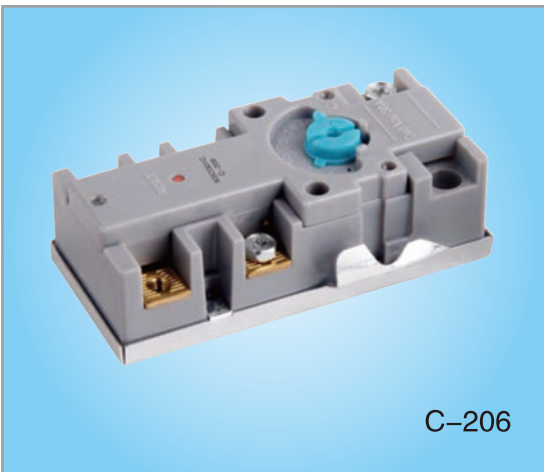
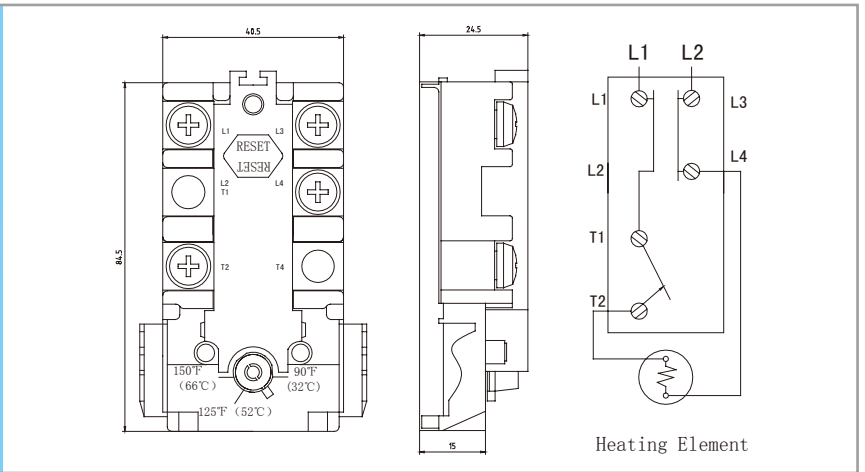
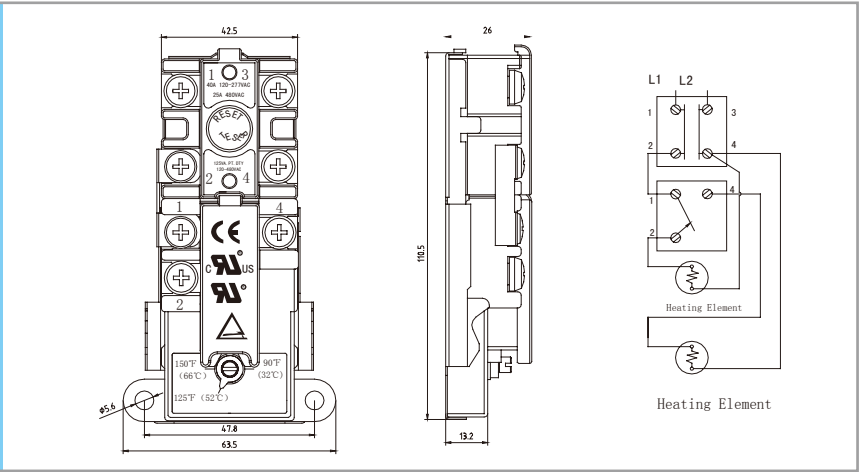
### Features

1. High Electrical capacity
2. Snap-Action cont
3. Long life-proven reliability
4. Adjustable control or manual reset sty

**Approval: UL TUV CUL CE**

 <p style="text-align: right;"><b>C-200</b></p>	 <p style="text-align: right;">Heating Element</p>
 <p style="text-align: right;"><b>C-201</b></p>	 <p style="text-align: right;">Heating Element</p>
 <p style="text-align: right;"><b>C-202</b></p>	 <p style="text-align: right;">Heating Element</p>

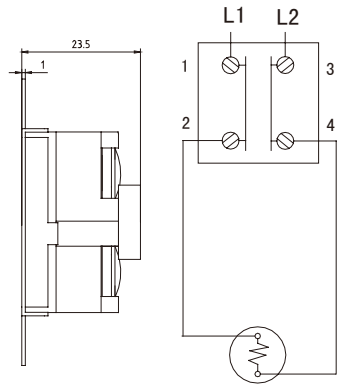
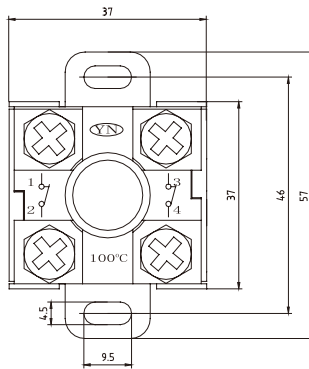








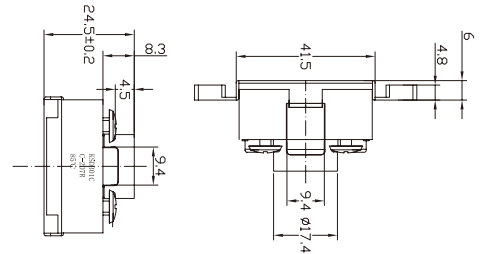
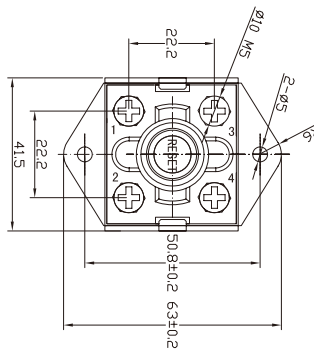
C-207



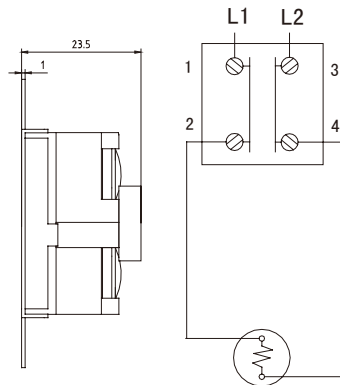
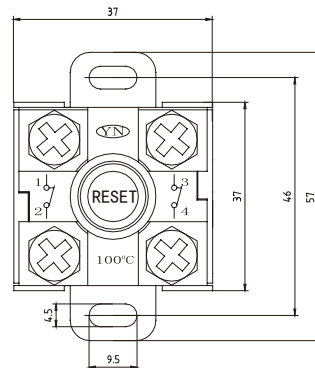
Heating Element



C-207C



C-207R



Heating Element

