RAINBOW
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ADJUSTABLE THERMOSTATS


**Features**
- This is the most representative product, and most widely used among liquid-expanding products. Various specifications can be changed as the customer’s demands.

**Application**
- Fridge, freezer, hot and cool dispenser, air conditioner
- All sorts of cooking equipments such as fryers, electric oven, microwave, waffle maker, and so forth
- Sauna, water bed, ATM machine

**Details**
- **Temperature Range**
  - TS 030S: -30°C ~ +30°C
  - TS 040S: 0°C ~ 40°C
  - TS 050S: 0°C ~ 50°C
  - TS 080S: 0°C ~ 80°C
  - TS 090S: 0°C ~ 90°C
  - TS 120S: 0°C ~ 120°C
  - TS 150S: 30°C ~ 150°C
  - TS 200S: 50°C ~ 200°C
  - TS 320S: 50°C ~ 320°C

**RST Series - RST 050S / 090S / 120S / 200S / 320S**

**Features**
- This product is designed to install in a small and narrow place and all of the structural, electrical specifications are just same as TS-series. This model is for mass production, not like TS-Series which can be produced small amounts and various types of products.

**Details**
- **Temperature Range**
  - RST 050S: 0°C ~ 50°C
  - RST 090S: 0°C ~ 90°C
  - RST 120S: 0°C ~ 120°C
  - RST 200S: 50°C ~ 200°C
  - RST 320S: 50°C ~ 320°C

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ADJUSTABLE THERMOSTATS

RNTS Series - RNTS 080C / 090C / 120S / 200S / 250S / 320S

Features
- This product is designed to use up to double amounts (30A), compared to ordinary thermostats, so you can use this product without using separate relay or magnet switch when using high ampere electric heater.

Application
- Midnight electric boiler
- Water heater
- Cooking equipments

Details
- Electrical rating: 30A/250VAC, 16A/380VAC
- Switch circuit: Single Pole Double Throw (SPDT)
- Mountain bracket: M4 fixed bracket (28mm from center to center)
- Direction of terminal: Straight line
- Net weight: 260g
- Capillary/Length: Stainless / CU with PE coating, optional / Standard 1000mm (optional 250mm~2000mm)
- Type of knob: R type / B type
- Stuffing bolt: PT 1/2"

Temperature Range
- RNTS 080C: 0°C ~ 80°C
- RNTS 090C: 0°C ~ 90°C
- RNTS 120S: 0°C ~ 120°C
- RNTS 200S: 50°C ~ 200°C
- RNTS 250S: 50°C ~ 250°C
- RNTS 320S: 50°C ~ 320°C

TS-XXXSF Series

Features
- This product is widely used to prevent overheat by fixing functioning temperature to be operated at a certain temperature.

Details
- Electrical rating: 20A/250VAC, 10A/380VAC
- Switch circuit: Single Pole Double Throw (SPDT)
- Direction of terminal: Straight
- Net weight: 70g
- Capillary/Length: Stainless / Standard 1000mm (optional 250mm~2000mm)
- Type of knob: R type / B type (optional)
- Stuffing bolt: PT 1/4", M12, M14 (optional)

Temperature Range
- TS-XXXSF: Max 350°C
ADJUSTABLE THERMOSTATS

T125 Series

Features
- This product is attached to heating, warming equipments and functions as adjusting temperature of the equipments you want.

Application
- Fan coil
- Heat pump
- Refrigerator / air-handling unit

Details
- Electric rating: 16A/120VAC, 13.2A/208VAC, 10A/277VAC
- Switch circuit: Single Pole Double Throw (SPDT), Single Pole Single Throw (SPST)
- Mountain bracket: Center to center 33mm
- Capillary / Length: Stainless 1000mm
- Stuffing bolt: 1/4", 3/8"

Temperature Range
- T125: 37°C ~ 260°C

T103 Series

Features
- This product is widely used for adjusting temperature of commercial cooking equipments, and it’s strong and durable.
- TC model has the switch structure that can be used for millivolt or low voltage load in circumstances that might bring about contamination of the contact point.

Application
- Fan coil
- Heat pump
- Refrigerator / air-handling unit

Details
- Electric rating: 16A/120VAC, 12A/240VAC, 10A/277VAC
- Switch circuit: Single Pole Single Throw (SPST)
- Mountain bracket: Center to center 33mm or 44mm
- Capillary / Length: Standard 3000mm
- Stuffing bolt: 1/4", 3/8"

Temperature Range
- T103: -28°C ~ +260°C
MANUAL RESET THERMOSTATS

TSR Series

Features
- When arrived at adjusted temperature and shut off the power, it doesn’t reset automatically and should be restarted artificially by pressing the reset button when needed as a one pole single switch device system.
- When lost the first adjustability of the other equipment, this product can be used as a safety device.

Details
- Electric rating: 20A/250VAC, 10A/380VAC, 9.8A/120VAC, 8A/240VAC, 6.6A/227VAC
- Switch circuit: Single Pole Single Throw (SPST), Single Pole Double Throw (SPDT), SP manual reset
- Capillary/Length: Stainless / Standard 1000mm (optional 250mm ~ 2000mm)
- Stuffingbolt: PT1/4", M12, M14 (optional)

Temperature Range
- Max 350°C

L117 Series

Features
- This product shuts off the switch when an error occurs on the equipment, because it is manual and auto reset type thermostat that operates negatively, so that it can prevent the accidents by overheating beforehand.
- This is also used as an anti-superheating device.

Details
- Electric rating: 9.8A/120VAC, 8A/240VAC, 6.6A/227VAC
- Switch circuit: Single Pole Single Throw (SPST)
- Capillary/Length: Basic 3000mm
- Stuffingbolt: 1/4", 3/8"

Temperature Range
- L117 : 37°C ~ 260°C
THERMOSTATS IN-ENCLOSURE

LTS Series - LTS 030S / 080S

Features
• This product is used for freezer, fridge, showcase and common industrial equipments

Application
• Commercial freezer and fridge
• Freezing storage
• Aquarium

Details
• Electric rating : 20A/250VAC, 10A/380VAC
• Switch circuit : Single Pole Double Throw (SPDT)
• Net weight : 150g

Temperature Range
• LTS 030S : -30°C ~ 30°C
• LTS 080S : 0°C ~ 80°C

PTSC Series - PTSC 050C / 090C

Features
• This product can prevent overheating and overcooling at the same time as a device that is designed to adjust the temperature inside all sorts of the controlboxes

Application
• Cubicle
• Telecommunication control panel

Details
• Electric rating : 20A/250VAC, 10A/380VAC
• Switch circuit : Single Pole Double Throw (SPDT)
• Net weight : 145g

Temperature Range
• PTSC 050C : 0°C ~ 50°C
• PTSC 090C : 0°C ~ 90°C
THERMOSTATS IN-ENCLOSURE

ITS 050L Series

Features
• This product senses the temperature in the air easily because of the spiral shaped sensor

Applications
• Agricultural greenhouse
• Cattle shed
• Icehouse

Details
• Electric rating : 20A/250VAC, 10A/380VAC,
• Switch circuit : Single Pole Double Throw (SPDT)
• Net weight : 180g

Temperature Range
• ITS 050L : 0°C ~ 50°C

T115 Series - TF115-001 / TRF115-005

Features
• Since this product is waterproof, it is suitable for surface mounted and used widely for agricultural equipments.
• It is useful in areas of highly possibilities of contaminations

Application
• Warehouse, garage
• Cattle shed, greenhouse

Details
• Electric rating : 16A/120VAC, 13.2A/208VAC,
  12A/240VAC, 10A/277VAC
• Switch circuit : Single Pole Double Throw (SPDT)

Temperature Range
• TF115-001 : 4°C ~ 43°C
• TRF115-005 : -18°C ~ 49°C
THERMOSTATS IN-ENCLOSURE

TH109-009 Series

Features

- This product will be used at humid, water spraying possible, highly contaminated places, and the exterior is made with high strength plastic.

Application

- for industrial and agricultural components

Details

- Electric rating: 16A/120VAC, 13.2A/208VAC, 12A/240VAC, 10A/277VAC
- Switch circuit: Single Pole Double Throw (SPDT), Double Pole Double Throw (DPDT)

Temperature Range

- TH109-009: 4°C ~ 37°C