

Overheating Prevention Devices

TS101/310

Specified temp. range	Power breaking capacity
0deg.C to 500deg.C	TS101: AC100V 14.5A TS310: AC100V, AC200V, AC200V 3-phase 30A each

Prevent overheat during operation beforehand. The device reliably shuts off unit power.



- Simply connect this product to your constant temperature oven or constant temperature water tank to prevent overheat.
- A sheath sensor with temperature sensing part of 2m in length is available in addition to the standard sensor with temperature sensing part of 200 mm and you can set it at variety of places including an oven (optional).
- The product employs a dual monitor system allowing monitoring the heat prevention sensor temperature in addition to the overheat prevention set

temperature.

- If an abnormality occurs, the product shuts down the target unit and inform the user with error indication and audible buzzer sound.
- Useful key lock function is available to enable locking the set temperature.

■ Specifications

Product code		583719	583720
Model		TS101	TS310
Performance	Temp. setting range	0deg.C to 500.0deg.C	
	Temp. display range	-200deg.C to 1300deg.C	
	Temp. detection accuracy	±1deg.C	
	Power breaking capacity	AC100V 50/60 Hz 14.5A	AC100V 50/60 Hz 30A AC200V 50/60 Hz 30A AC200V 3-phase 50/60 Hz 30A
Configuration and functions	Temp. setting system	Digital setting with up/down keys	
	Temp. display system	Digital display for sensor and set temperatures	
	Recovery system after detecting overheat	Manual (Turn POWER switch ON after returning to normal from overheating condition.)	
	Overheat temp. detection	Shutting off power of the target device/alarm with a buzzer/alternately displays Er07 and the sensor detection temperature on the measured temperature display	
	Temp. sensor/temp. sensor protective tube	Sheath type K thermocouple/3.2 mm dia x length of 200 mm (encapsulated in a SUS316 protective tube)	
	Alarm output	a-contact 250V 3A	
Connecting system of target device		Power cord terminal block for 4P (3P)	
Safety function		Internal fuse & self diagnostic function (abnormal input temperature/memory error)	
Exterior/interior		Chrome free electro galvanized copper plate, chemical proof baking finish, stainless steel plate	
External size/weight		W150xD210xH155 mm/Approx. 3.5 kg	W150xD210xH155 mm/Approx. 3.5 kg
Main unit power (50/60 Hz) rated current		AC100V 0.5A 3P-power plug without a breaker	
Accessories		Sheath type K thermocouple (soaked part: 200 mm) x 1, operating instructions, warranty card, main unit securing clamp x 1	

■ Optional items

Description	Model No.	Product Code
Sheath Type K-Term Couple	TS101/310	OTS10