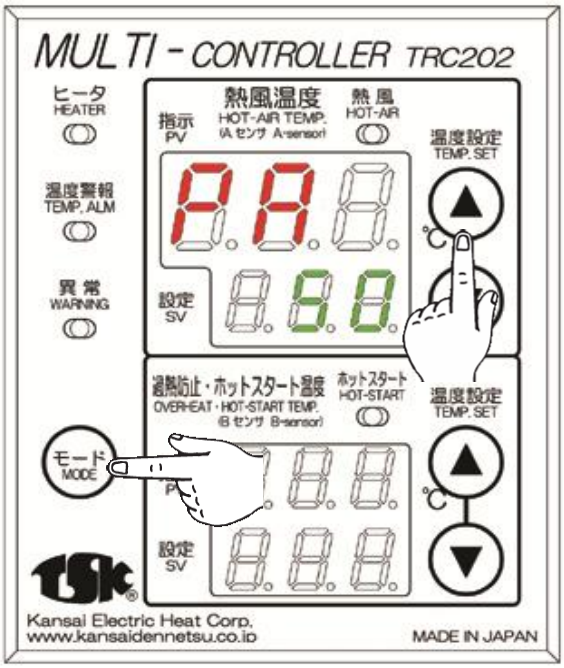
MULTI-CONTRLLER Convenient features of the TRC202

1 Unlocking

To use the convenient functions, each parameter must be changed. Before changing each parameter, first unlock the parameter.

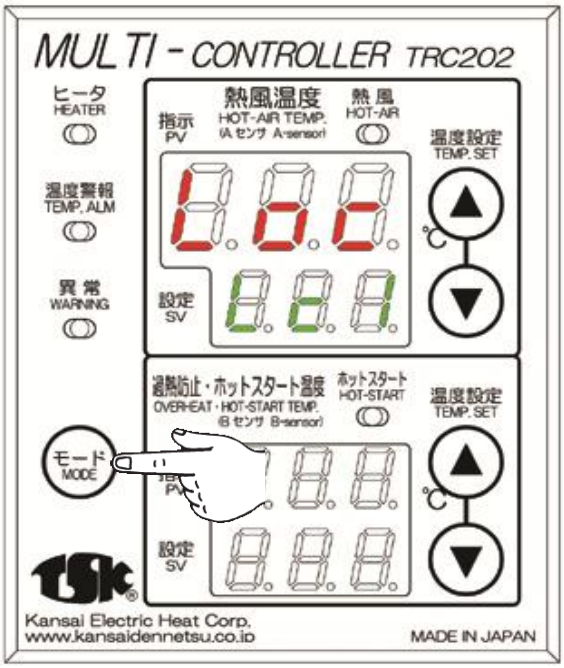
①While holding the mode switch, press and hold the UP key of HOT-AIR TEMP. for about 2 seconds.

"PA" is displayed in the PV, and "50" Is displayed in the SV

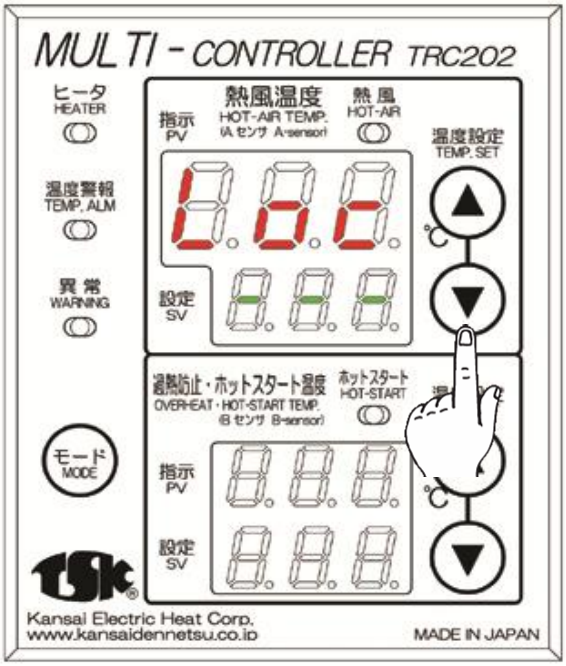


②Press the mode switch 5 times

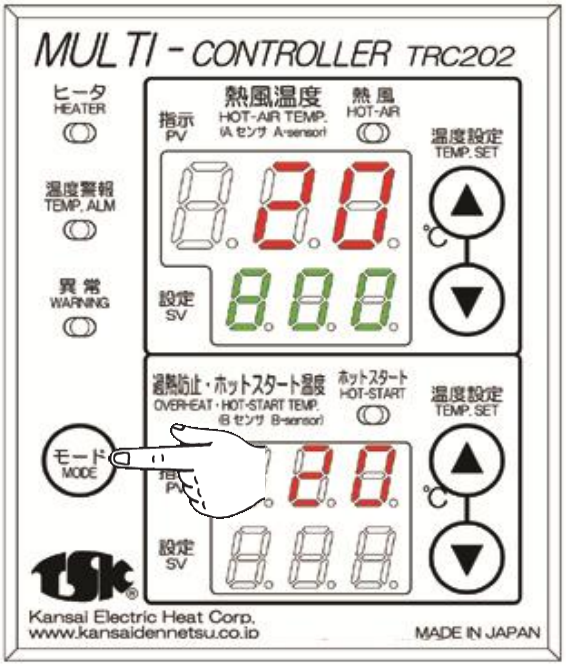
"LOC" is displayed in the PV, and "LC1" is displayed in the SV



③Use the down key to change the setting SV to "---".



④After the changing, press mode swith once to return the normal operation state display. This completes the unlocking process.



※The factory default lock mode is "LC1". Only the temperature setting and other settings are locked at "LC2". If you want to lock the temperature setting and prevent incorrect setting, you can change the setting to "LC2".

If you want to re-lock after unlocking, please change the "---" dispaly to "LC1" in the PV by the same operation as above.

2 Temperature alarm mode change

Temperature alarm mode is factory set to High and lower limit deviation alarm mode with standby. This alarm mode can be changed depending on the usage method.

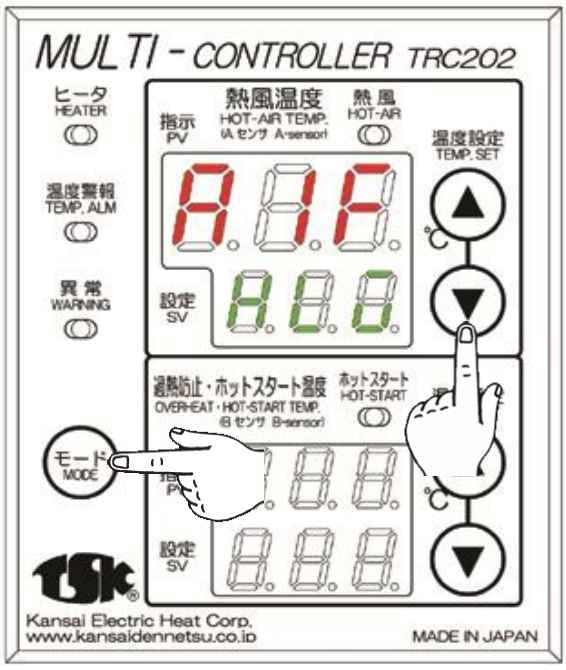
Modifiable Alarm Modes

Set value	Alarm mode	Alarm action : In case of outlet temperature setting 150 and temperature alarm setting 50 ※In the case of low limit deviation alarm and low limit deviation alarm with standby only, the setting is −50 The alarm output turns ON in the marked shaded area.
- - -	No alarm action 『－－－』	No alarm action
H	High limit deviation alarm 『H』	50 100 150 200 250 300
L	Low limit deviation alarm 『L』	50 100 150 200 250 300
HL	HI/LO deviation alarm 『HL』	50 100 150 200 250 300
WId	HI/LO limit deviation range alarm 『WID』	50 100 150 200 250 300
AS	High absolute value alarm 『AS』	50 100 150 200 250 300
rAS	Low absolute value alarm 『RAS』	50 100 150 200 250 300
HW	High limit deviation alarm with standby 『HW』	50 100 150 200 250 300
LW	Low limt deviation alarm 『LW』	50 100 150 200 250 300
HLW	HI/LO limit devition range alarm with standby 『HLW』	50 100 150 200 250 300

※With standby means that the alarm is not immediately turned ON even if the display value (measured value) is within the alarm range at the start of hot-air operation. This alarm is generated when the temp. goes out of the alarm range once and then comes back in. Only for the low limit deviation alarm and the low limit deviation alarm with standby, the set value will be negative.

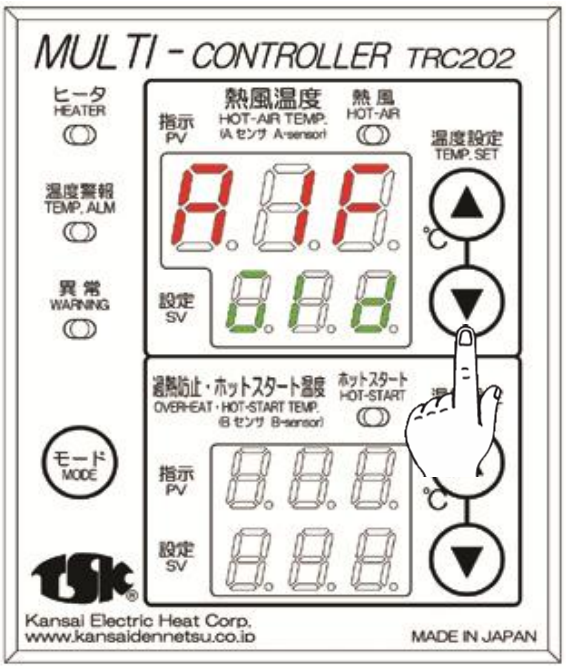
①After unlocking, hold the key of HOT-AIR TEMP. DOWN key while pressing the mode switch.

"A1F" is displayed in the PV, and "HLW" Is displayed in the SV



②Use the UP and DOWN keys to change to the any alarm mode.

After setting, please press 7 times to return return the norma operation state display



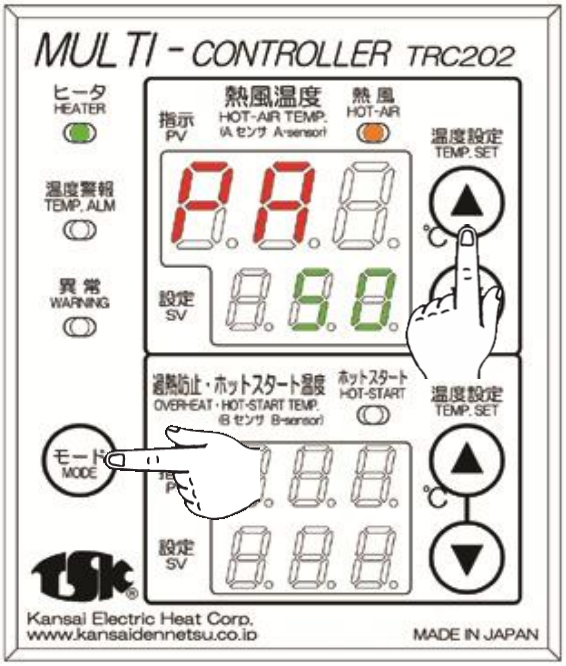
※After changing the temperature alarm, lock it again before operating it.

3-1 Auto-tuning（The temp. of hot air）

During operating hot-air normaly, if the indicated temperature varies with respect to the set temperature, auto-tuning may stabilize the indicated temperature

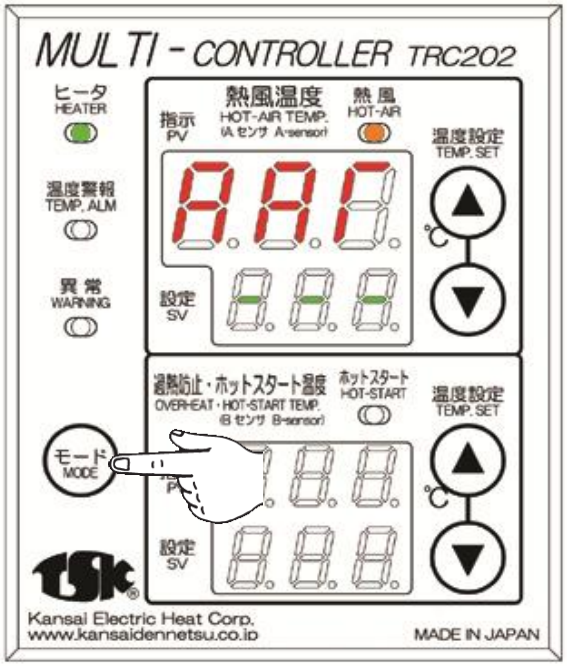
①After unlocking, hold the UP key of HOT-AIR TEMP. for about 2 seconds while pressing the mode switch in the normal HOT-AIR operation state.

"PA" is displayed in the PV, and "50" Is displayed in the SV

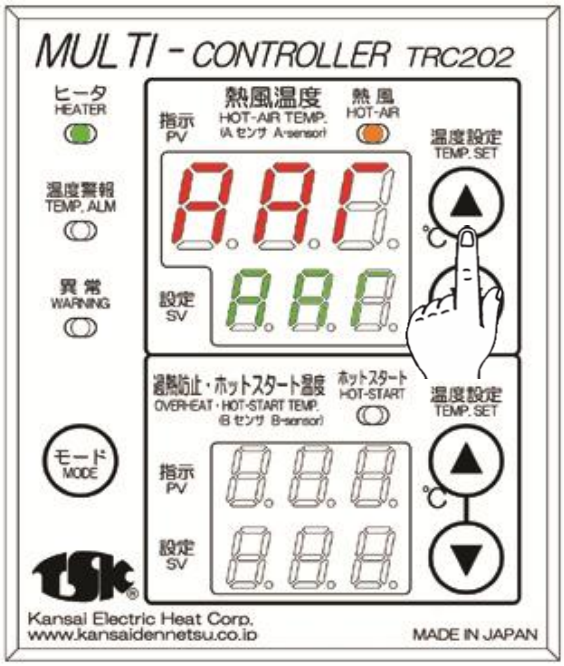


②Please press the switch 4times.

"AAT" is displayed in the PV, and "---" Is displayed in the SV

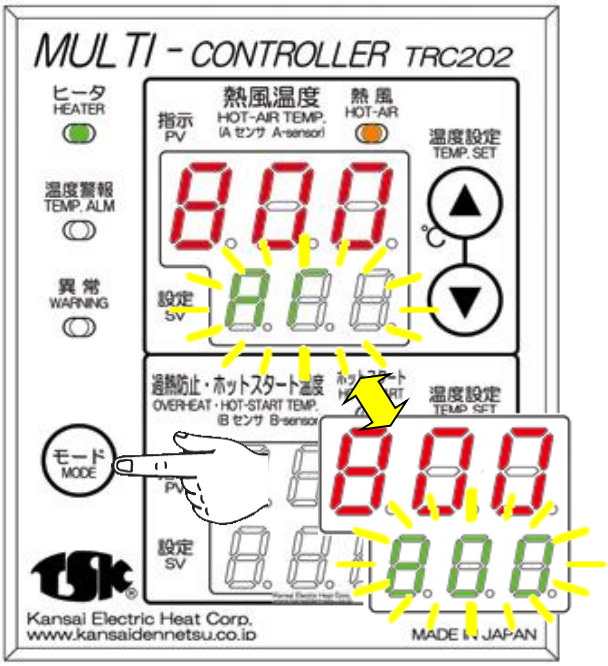


③Use the UP key to change the setting SV from "---" to "AAT".



④After the setting, press mode swith twice to return the norma operation state display.

" AT" and the set temperature blink alternately in the setting SV section.



The temperature begins to rise when "AT" and the set temperature blink alternately in the setting SV section. After auto-tuning is completed, the blinking will end and the it will be the normal hot-air operation mode.

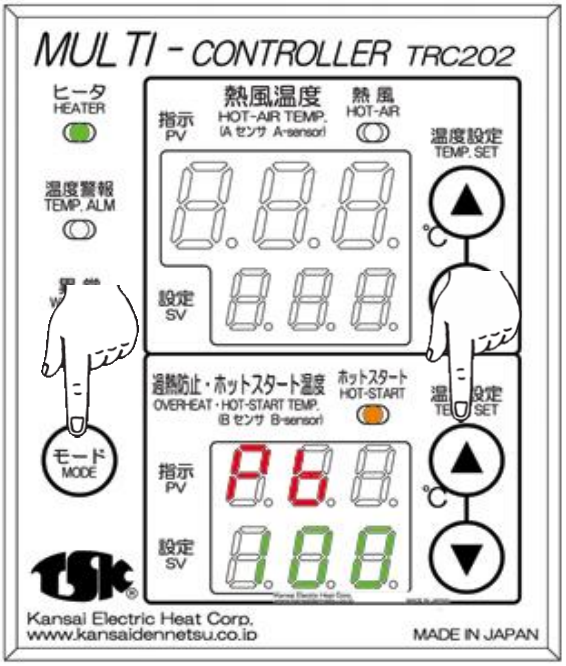
※If the indicated temperature varies even after auto-tuning is performed, please contact us. Also, after auto-tuning is completed, re-lock it again before operating it.

3-2 Auto-tuning (HOT-START operating temp.)

During hot-start operation, if the indicated temperature varies with respect to the set temperature, auto-tuning may stabilize the indicated temperature.

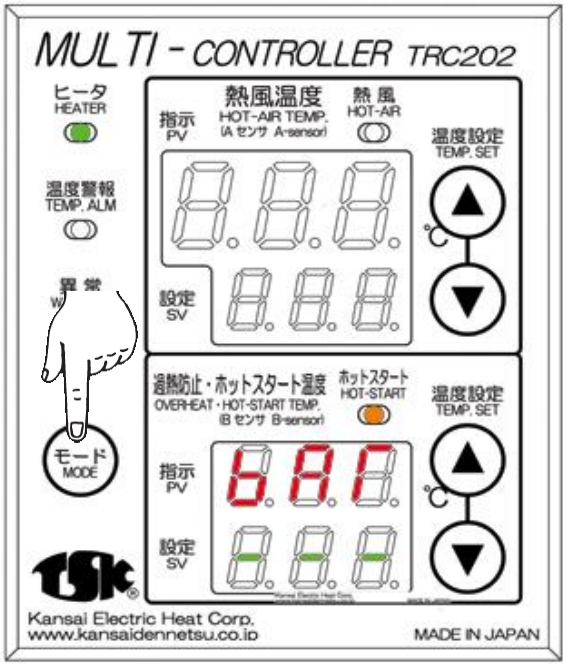
①After unlocking, hold the mode switch in the hot-start operation state, press and hold the UP key of the OVERHEAT and HOT-START temp. for about 2 seconds.

"Pb" is displayed in the PV, and "100" Is displayed in the SV

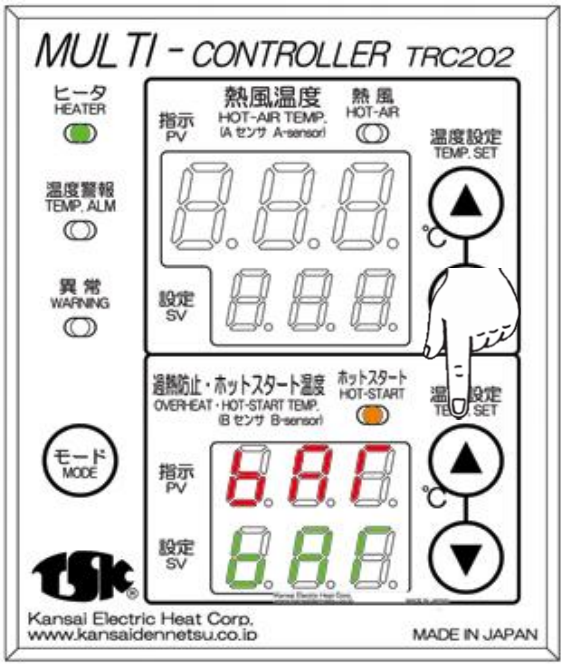


②Please press mode switch 4 times.

"bAT" is displayed in the PV, and "---" Is displayed in the SV

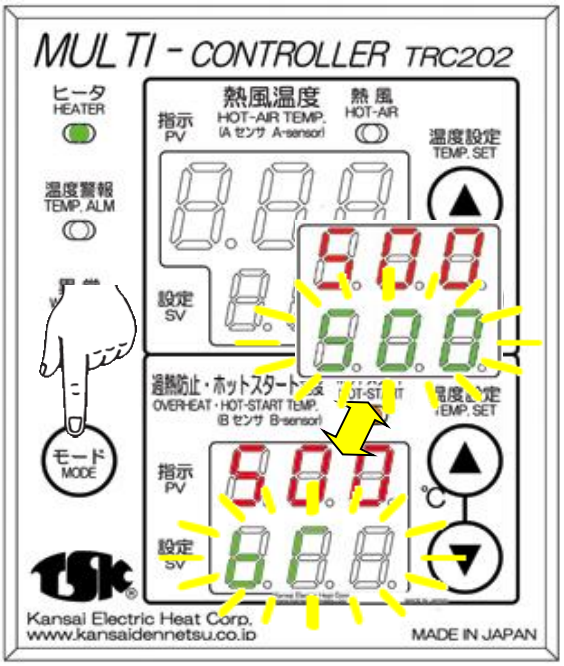


③Use the UP key of the OVERHEAT and HOT-START temp. to change the setting SV from "---" to "bAT".



④After the setting, press mode swithc twice to return the norma operation state display.

" bT" and the set temperature blink alternately in the setting SV section.



The temperature begins to rise when "bT" and the set temperature blink alternately in the setting SV section. After auto-tuning is completed, the blinking will end and the it will be the hot-start operation mode.

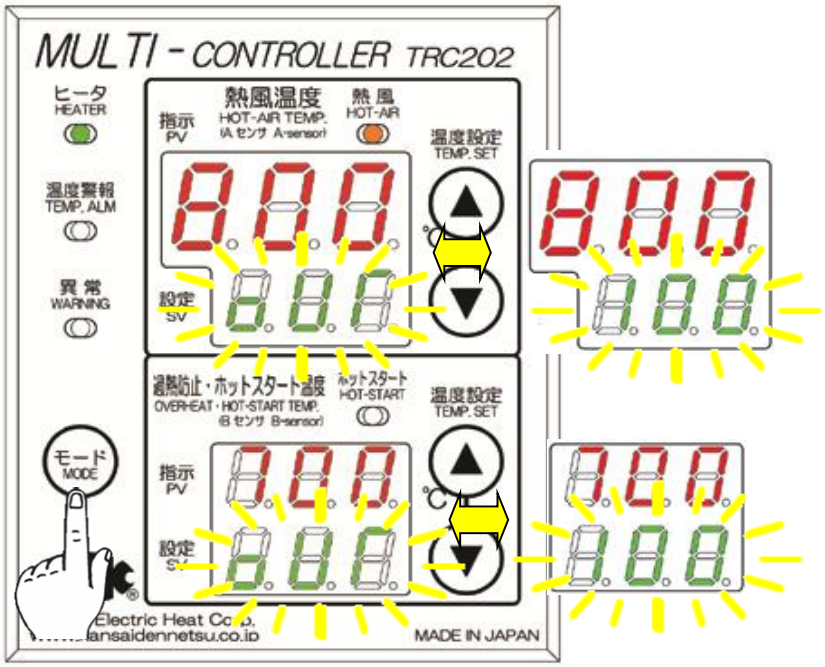
※If the indicated temperature varies even after auto-tuning is performed, please contact us. Also, after auto-tuning is completed, re-lock it again before operating it.

4 Heater OUTPUT display

During the hot-air operation and hot-start operation, the current heater output can be displayed and check. Please use this function for data on the amount of heat used, etc. Please use it for data on the amount of heat used, etc. (The current control is performed at the lower output display).

①Press and hold mode switch for 5 seconds, during HOT-AIR. TEMP. operation or HOT-START. operation.(It will have diplay "A1" when you operate it.)

"OUT" in each setting SV section of hot-air temp. and overheat prevention/hot-start temp. and the current heater output (%) blinks alternately in the setting section.



※It does not need to unlock it

※press mode swithc once to return the norma operation state display.

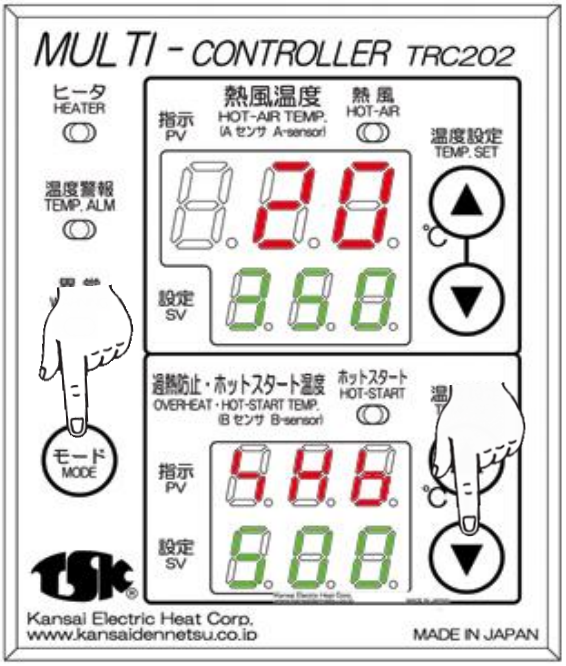
5 Change the time for disabling the low airflow detection function

When the overheat prevention temperature (B sensor temperature) is 80° C or higher than the outlet hot air temperature (A sensor temperature), the air flow rate is detected as low and the overheat prevention control is activated. However, since an invalid time of 10 seconds is provided between the detection of this air flow drop and the activation of the overheat prevention control, if the temperature difference is eliminated within 10 seconds, the overheat prevention control will not be activated..

Therefore, when the outlet temperature is lower than the setting of HOT-START TEMP. by 100° C or more during HOT-START operation, the overheat prevention control operates after switching to HOT-AIR operation, and the outlet temperature may drop sharply. In this case, the start of the overheat prevention control operation can be delayed by increasing the invalid time (40 seconds or more) before the overheat prevention control operation.

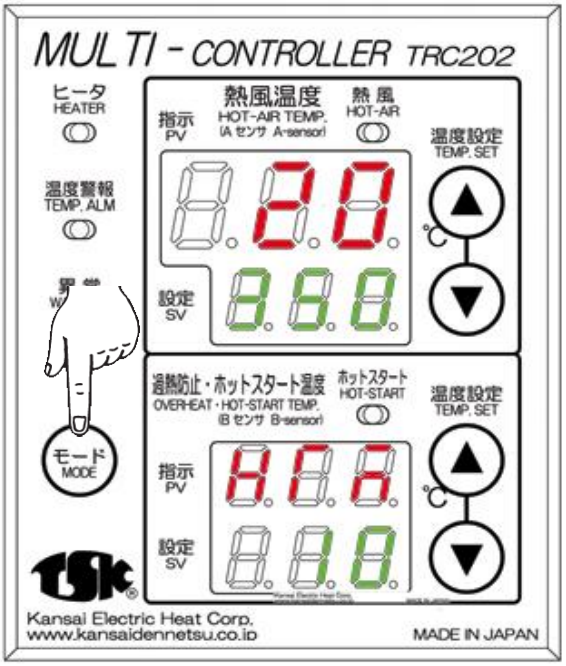
①After unlocking, hold the DOWN key of HOT-START for about 2 seconds while pressing the mode switch

"SHB" is displayed in the PV, and "500" Is displayed in the SV

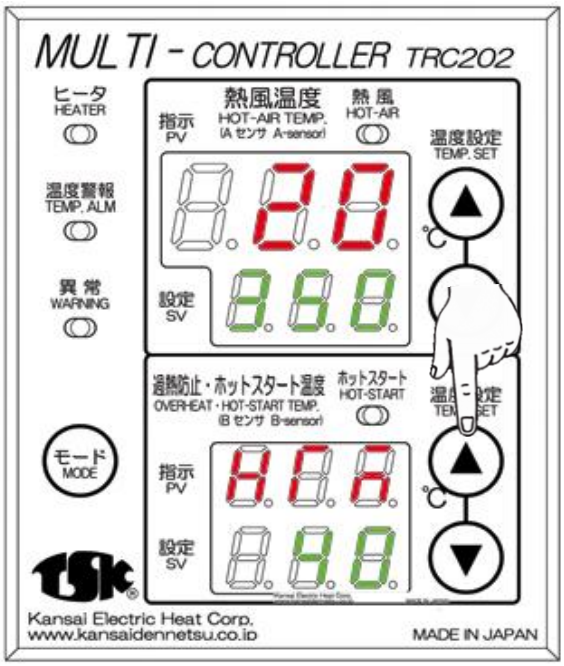


②Please press the mode switch 4times

"HTM" is displayed in the PV, and "10" Is displayed in the SV



③Use the up key of the OVERHEAT and HOT-START temp. to change the setting SV from "10" to "40".



④After the setting, press mode swithc twice to return the norma operation state display. Lock it again.