

# TR3100HC Thermostat Instructions (Part I)

Ver.1.0

## Buttons and LCD display

Button / Icon	Description	
	Turning on/off thermostat	<p style="text-align: center;"><b>Remote controller buttons</b></p>
	Auto/Cool/Heat mode selection Menu button / Program button	
	Set fan speed (Set the time and week days)	
	Increase the set value	
	Decrease the set value	
	The buttons are locked.	
	Heating is turned on	
	Cooling is turned on	
	Low,medium,high fan speed	
	Auto fan speed	
	Programmes number	

## General Settings

Press button to Turn on/off the thermostat. When thermostat is turned off, the LCD will only display OFF. When the thermostat is turned off, press and hold button M for 3 seconds to bring up a configuration menu. In this mode, use button M to select different features' setting.

Menu #	Features description	Features Explanation	Adjustment (press up or down button to adjust)
1	Switching differential 	The numbers of degree difference before switching. The default is 1°C which means the thermostat will switch the heating on 0.5°C below the set temperature and will turn it off 0.5°C above the set temperature. With a 2°C differential, the heating will switch on 1°C below the set temperature and will switch off 1°C above the set temperature.	1°C(by default), 2 °C.....10°C
2	Temperature calibrated 	This is to calibrate room temperature if required.	-1°C = decrease 1 °C, 0°C= no calibrate, 1°C = increase 1 °C...
3	temperature format 	This allows users to select between °C or °F.	C= °C F= °F
4	clock format 	12/24 HOUR clock format selection	24H = 24-hour clock format (by default) 12H = 12-hour clock format
5	fan mode 	To select the fan mode, runs continuously or runs only when the cooling or heating system is on.	1= fan only runs when heating or cooling system is on(by default) 0= fan runs continuously

	<p>Please Note: one of the following error messages will appear if one of these problems occur:</p> <p>LO - This error means that the room temperature is lower than 0 ° C</p> <p>HI - This error means that the room temperature is greater than 50° C</p> <p>If the sensor is short-circuit or broken, the LCD will display "Err" and the thermostat will cut off output.</p>
	This product should be installed by a qualified electrician.

*See overleaf for further setting up information*

# TR3100HC Thermostat Instructions (Part II)

Ver.1.0

## Program your thermostat

This thermostat is pre-set to the following program settings.

		Heat(Mon-Fri)	Cool(Mon-Fri)	Heat(Sat-Sun)	Cool(Sat-Sun)
Wake (07:00)		22 °C	24 °C	22 °C	24 °C
leave (09:30)		16 °C	28 °C	16 °C	28 °C
return (16:30)		22 °C	24 °C	22 °C	24 °C
sleep (22:30)		16 °C	25 °C	16 °C	25 °C

To adjust these schedules, follow easy steps below,

1	Press <b>(M)</b> to select Heat mode. Then press and hold button <b>(M)</b> for 5 seconds to bring up weekday( Monday to Friday) programs.
2	Now the time of the first set-point is flashing. Use button  or  to set the start time(default 07:00) (Hold button  or  to change by 15 minutes each time.)
3	Press button <b>(M)</b> again and use button  or  to set the desired temperature to be maintained for program 1.( default 22 °C)
4	Press button <b>(M)</b> again to show set-point 2 (program 2). Use button  or  to set the start time. (default 9:30)
5	Press button <b>(M)</b> again and use button  or  to set the desired temperature to be maintained for program 2.( default 16 °C)
6	Press button <b>(M)</b> again to show set-point 3 (program 3). Use button  or  to set the start time. (default 16:30)
7	Press button <b>(M)</b> again and use button  or  to set the desired temperature to be maintained for program 3.( default 22 °C)
8	Press button <b>(M)</b> again to show set-point 4 (program 4). Use button  or  to set the start time. (default 22:30)
9	Press button <b>(M)</b> again and use button  or  to set the desired temperature to be maintained for program 4.( default 16 °C)
10	Press button <b>(M)</b> to move to the weekend settings. Repeat above steps 2 to 9,and then press <b>(M)</b> to accept.

Note: Press **(M)** to select Cool mode and repeat steps above to program your thermostat for the cool system.

To erase program 2 and 3 for Saturday and Sunday,see below,

In step 4, instead of using button or , using button will erase the time.--:--).

In step 6, instead of using button or , using button will erase the time.--:--).

To cancel the setting, press again.

## Installation Instructions

Carefully separate the front half of the thermostat from the back plate by placing a small flat head terminal driver into the slots on the bottom face of the thermostat.

Carefully unplug the ribbon connector which is plugged in to the front half of the thermostat.

Place the thermostat front half somewhere safe. Terminate the thermostat as shown in the diagrams below.

Screw the thermostat back plate on to the back box

Re-connect the thermostat ribbon cable and clip the two halves together.



This product should be installed by a qualified electrician.

### Set the Time and Day

This thermostat is fitted with a real time clock. It is essential that the clock time and day are set accurately if you require your programmed events to start on time. Follow below easy steps,

- 1) Press and hold button until the time flashes
- 2) Use button or to change the time
- 3) Press button again, the day of the week will flash
- 4) Use button or to change the day
- 5) Press button to accept and exit.

### Resetting factory defaults

Your thermostat has the ability to reset all settings to the factory defaults. If you are certain you want to do this:

In standby mode(when thermostat is turned off), press and hold button **(M)** and for 5 seconds until RES is shown on LCD. (RES will be appearing only for 5 seconds)

### Lock the buttons

To lock the buttons, press and hold the buttons and for 3 seconds until you see a lock icon appearing, to unlock, repeat the steps above.

### Select fan speed

Press to select between Auto,High,Medium or Low fan speed. In Auto fan speed, the thermostat will automatically switch the fan between high,medium,or low as described below,

Heating: 1°C below = Low, 2°C below = Medium, 3°C below= high  
Cooling: 1°C above = Low, 2°C above = Medium, 3°C above= high

- Auto fan speed
- Low fan speed
- Medium fan speed
- High fan speed

### Heat/Cool/Auto mode

Press button **(M)** to select Auto/Heat/Cool mode.

Heat: Thermostat controls only the heating system.

Cool: Thermostat controls only the cooling system.

Auto: Thermostat automatically selects heating or cooling depending on the room temperature.

## Wiring Examples

