# FLOOR HEATING WA

# TS8100-TH-H THERMOSTAT INSTRUCTIONS

#### LCD SYMBOLS

Symbols	Description	Symbols	Description
Ċ	Turning on/off the thermostat	Day	Day of the week. Day 1= Monday, Day 2= Tuesday etc.
B	The buttons are locked	Program 1,2,3,4	The program number
۵	Heating is turned on	Δ	Reminding the user to connect the floor sensor (AF and F model only)
**	Frost protection activated	*	Comfort temperature mode
RT	Room temperature	C	Economy temperature mode
FT	Floor temperature	Û	Vacation temperature mode
AUTO	Automatic mode, executes the programmed schedules	fî re	Touch to view floor temperature for 5 seconds (AF model only)
O / RIDE	Temporary temperature override	Set Schedule	Touch to start programming of your thermostat
Err	The sensor is not being read by the thermostat	Heating Mode	Touch to switch among Auto 🧩 🕻 📋

### CONFIGURATION MENU

To enter into the setting men	please follow	the steps below:
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Step 1, Turn the thermostat off by pressing POWER;

Step 2, Press MENU, you will then see menu 01.

Step 3, Use the up and down arrows to adjust the "sensor selection" which is Menu 01(Air sensing, Air and Floor, or Floor only)

Step 4, Press  $\left| {\text{NEXT}} \right|$  to move to the next Menu and once you have all the menu options set,

Setp 5, Press DONE to accept and store.

Menu #	Feature	Explanation	Adjustment (press up & down buttons to adjust)
01	Mode/Sensor selection	This thermostat is a combination model which allows you to choose 3 different modes. A mode=Air Sensing Only(Has built in sensor) AF mode=Air & Floor sensing(Floor probe must be installed) F mode=Floor Sensing(Floor probe must be installed)	A, AF, F
02	Maximum Floor Temp ( AF mode only)	This is to protect the floor surface.	20 °C~ 40 °C (40 °C by default)
03	5+2 / 7 Day Mode	This allows you to program either 5 days at once, then the 2 days of the weekend separately, or a full 7 days at the same time or 7 days separately	01 = 5+2 day programmable 02 = 7 day programmable

### SETTING THE CLOCK AND DAY OF THE WEEK

This thermostat is fitted with a real time clock. It is essential that the cloc	time and day	ay are set accurately if you require your programmed events to start on time. Follow below steps,
1) Touch time display. Use $4$ or $$ to change the time. Press and		$\overline{\zeta}$ to change the time faster. Touch bound to store and exit( or touch time display to cancel and exit).
2) Touch day display . Use $\triangle$ or $\overline{\bigtriangledown}$ to change the day. Touch $\Box$	ne to store	e and exit.(or touch Day display to cancel and exit).

## SELECT THE REQUIRED OPERATING MODE

Auto - Automatic mode, the thermostat executes the preprogrammed schedules. To adjust these schedules, see page 2 the program section. In addition to Automatic mode, this thermostat has 3 extra manual modes, i.e 🗱 🕻 🛗, each of these manual modes maintains a constant set temperature set by the user. Comfort temperature mode, the highest temperature you want to achieve, this is the temperature that will be required when the room is in use. Default is 22 °C. Comfort temperature mode, the lowest temperature, the temperature you want to go no lower than when the room is not in use. Default is 16 °C. - Vacation temperature mode, this is set to stop your floor from going below the set temperature. Default is 10 °C.

To change the set temperatures, touch temperature display. Use 🔬 or 🤝 to adjust to the required temperature. Touch Done to store and exit.

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# SETTING THE PROGRAM SCHEDULES

This thermostat can be individual 7-day programmable. For each day of the week you are able to have 4 timed set temperature schedules.

Program	gram Start Time		Setpoint	Explanation
1	WAKE	07:00	22 °C	Set to the time you would like to wake to and the temperature you want during the morning, until you left for the day.
2	LEAVE	09:30	16 °C	Set to the time you leave home and the temperature you wish your home to maintain while you are away at work perhaps.
3	RETURN	16:30	22 °C	Set to the time you return home at end of the day and the temperature you want during evening until bed time.
4	SLEEP	22:30	16 °C	Set to the time you sleep and the temperature you want overnight (usually a comfortable and energy saving temperature).

Above are default program schedules, to make changes, follow easy steps as below.

In 7 day program mode	In 5+2 day program mode	
1. Press Set Schedule, you will see day display flashing.	1. Press Set Schedule, you will see the time flashing.	
2. Use $\bigwedge$ or $\bigtriangledown$ adjust the day to the day you wish to start programming	2. Use A or to set your weekday Wake time(Mon-Fri), then press	
or to the day you wish to edit an existing event or program.		
(Press All Days to select all days of the week, to cancel selecting all days of	3. Use $\not $ or $\lor$ to set the temperature for this time period, then press $v$	
the week, press All Days again.)	4. Set time and temperature for the next time period(Leave). Repeat steps	
3. Press Next, the LCD will show program 1 with the time display flashing.	2 and 3 for each time period of the weekday.	
4. Use $\operatorname{Arr}$ adjust the time you wish the program 1 event to	5. Press Next to move to the weekend(sat-sun) time periods settings.	
commence for the currently selected day or days.		
5. Press Next, the LCD will show a temperature value flashing.	6. Press DONE to save and exit.	
6. Use $\triangle$ or $\nabla$ set the desired heating temperature to be maintained		
for the program 1 event.	NOTE:	
7. Press Next, now the LCD will show program 2 with the time display	Day 1 - 5, refers to the weekday( Monday to Friday) Day 6 - 7, refers to the weekend( Saturday and Sunday)	
flashing, signifying the second daily event is now being programmed.		
8. Repeat step 4,5,6 to set remaining programs. Press DONE to store and exit.	During setting programs, press (if visible) will clear a program entry	
Note: It is faster to program the same schedule for the entire week	and thermostat will maintain the temperature setpoint of the last executed	
and then to adjust the exceptional days.	program unui the beginning of the next program.	

### LOCK THE KEYPAD

To lock the keypad, press and hold the top left corner of display for 5 seconds, you will see a lock symbol  $\beta$ . To unlock, repeat the steps above and the lock symbol will disappear.

## RESET TO FACTORY SETTING

With thermostat turned off, press and hold OFF for 5 seconds until you can see – : – on LCD.

# TEMPORARY TEMPERATURE OVERDRIVE

Touch the temperature display, and it will start to flash. Use up or down buttons to adjust. Press DONE to accept, and you will see "Override" above the temperature display. Thermostat will maintain the new set temperature until the next programmed event(comfort level). To cancel the override setting, press RUN SCHEDULE

### INSTALLATION AND WIRING

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

This product should be installed by a qualified electrician.

