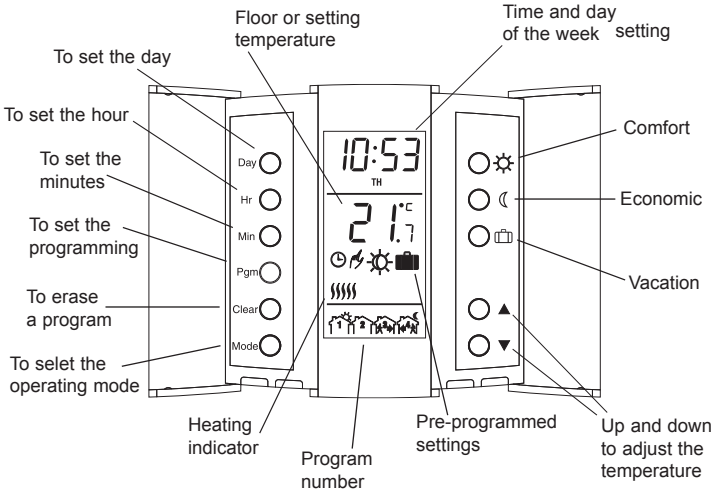


OPERATING MODES

The TSTAT thermostat has three (3) operating modes.

Manual ( )

This mode allows you to maintain a constant floor temperature.

1-To activate this mode, press on Mode button to display the icon.

2-Set the desired temperature using the ▲ ▼ buttons or select the pre-programmed ☼ or ☾ or 💼 settings.

AUTOmatic ( )

This mode executes your own programming schedule.

To activate this mode, press on Mode button to display the icon. The ☼ or ☾ icon indicates which temperature setting is used. Also, the icon of the program number will be shown.

Holiday (💼)

This mode sets your thermostat to your specified holiday temperature.

You can switch to the holiday setting for a prolonged absence by pressing on 💼. The display will show 💼 icon. The temperature will remain at this setting until you return to normal operating mode by pushing the Mode button.
If you wish to immediately return to the programmed settings, press on Mode button twice.

SPECIAL FUNCTIONS

Memory back-up

In the event of a power failure, an internal circuit will maintain the programming and the time. The time would have to be reset if the power failure exceeds 6 hours.

Early start function

The thermostat is provided with a built-in function enabling it to calculate the optimum time to start the heating system to achieve the desired temperature setting at the programmed time. This function could start the heating system as early as 6 hours prior to the programmed time. To enable this function, set the switch E.S. to “ON” inside of the thermostat.

IF YOU HAVE ANY QUESTIONS REGARDING THE INSTALLATION OR SETTING OF YOUR WARMUP TSTAT THERMOSTAT, PLEASE CALL THE HELPLINE ON:

0845 345 2288

OR EMAIL WARMUP: technical@warmup.co.uk

PROGRAMMING OF AUTOmatic ( ) MODE

STEP 1 - Programming the time and day

1-Set the time using the Hour and Min buttons.
2-Set the day using the Day button.

STEP 2 - Programming the Comfort, Economic and Vacation settings

The Comfort ☼, Economic ☾ and Vacation 💼 settings respectively represent the temperatures that you wish to have during the day ☼, at night ☾ or while you are away at work ☾, or while you are away for an extended period 💼.

STEP 2 (cont'd)

a) To program the Comfort temperature, select the desired setpoint using the ▲ ▼ buttons and press the ☼ button until the ☼ icon is displayed (app. 3 seconds).

b) To program the Economic temperature, select the desired setpoint using the ▲ ▼ buttons and press the ☾ button until the ☾ icon is displayed (app. 3 seconds).

c) To program the Vacation temperature, select the desired setpoint using the ▲ ▼ buttons and press on the 💼 button simultaneously until the 💼 icon is displayed (app. 3 seconds).

d) Press the Mode button to exit this function and return to the normal operating mode.

STEP 3 - Programming Your Schedule

The TH132-F allows 4 setting changes for each day of the week. There are no pre-set programs. The programs are tailored to perfectly adapt to your life style. The principle is very simple. For each day, enter the time at which you wake up (P1), the time you leave for work (P2), the time you arrive back home (P3) and the time you go to bed (P4).

Program	Mode	Time
	☼	Wake-up time
	☾	Leaving time
	☼	Return time
	☾	Bed time

a) To Program your Schedule

1-Press on PGM button to access the programming mode.

2-Press on Day button to select the day to be programmed. You can select all days of the week by pressing on Day button for 3 seconds.
You may find it easier to set the schedule the same for all days first and then change those days with a different schedule (ex. Saturday, Sunday) afterwards.

3-Press on PGM button to select program 1, 2, 3 or 4.

4-Press on Hour and Min buttons to program the time.

5-When you have completed your programming, press on Mode button to exit this function.

b) Example 1 :

Comfort period from 7:00 AM to 9:00 AM
Economy period from 9:00 AM to 4:30 PM
Comfort period from 4:30 PM to 10:30 PM
Economy period from 10:30 PM to 7:00 AM
Identical schedule for all days of the week.

1-Press on PGM button to access the programming mode.

2-Press on Day button 3 seconds to select every day of the week.

3-Press on Hour button to enter 7:00 AM, Prog. 1 ( ).

4-Press on PGM button again to select Prog. 2 ( ), and press on Hour button to enter 9:00 AM.
5-Press on PGM button again to select Prog. 3 ( ), and press on Hour and Min buttons to enter 4:30 PM.
6-Press on PGM button again to select Prog. 4 ( ), and press on Hour and Min buttons to enter 10:30 PM.
7-Press on Mode button to exit this function.

c) To Erase a Program :

Select the program using PGM and Day buttons, and press on Clear button. The time field displays -:- when the program is inactive.

Temporary temperature bypass

This operation allows you to temporarily modify the floor temperature while you are in the Automatic mode. Simply press on ▲ or ▼ buttons to select the desired temperature, or the ☼ or ☾ button to select the Comfort or Econo settings you have programmed. This temperature will be maintained until the beginning of the next programmed schedule.

MODEL TSTAT (240 VAC)

SUMMARY

◆ **OPTIONS SELECTION**

Inside the thermostat, there are three selection switches to set at your preferences.

⇒ Temperature in °C or °F, time in 12 or 24 hours and early start function.

◆ **TO SET TIME AND DAY**

Press on DAY, HOUR and MIN buttons to adjust time and day.

◆ **TO RECORD THE ☼ (COMFORT) SETPOINT TEMPERATURE**

Select chosen setpoint temperature by using ▲ or ▼ button. Press on ☼ button (2 to 3 seconds) until icon appears on display.

◆ **TO RECORD THE ☾ (ECONOMIC) SETPOINT TEMPERATURE**

Select chosen setpoint temperature by using ▲ or ▼ button. Press on ☾ button (2 to 3 seconds) until icon appears on display.

◆ **TO RECORD THE 💼 (VACATION) SETPOINT TEMPERATURE**

Select chosen setpoint temperature by using ▲ or ▼ button. Press on 💼 button (2 or 3 seconds) until icon appears on display.

◆ **OPERATING MODES**

To select an operating mode, use MODE button.

AUTO : Runs the program. ▲ or ▼ shows temperature setting and can override temporarily your programming up to the next program.

MAN : Maintains the selected temperature. ▲ or ▼ changes the temperature setting.

CHARACTERISTICS

• Model :	TSTAT
• Supply :	240 VAC 50/60 Hz
• Load :	16 A max. (resistive only)
• Power :	3840 W (NI) @ 240 VCA
• Approvals :	CEE
• Display range :	0 to 60 °C (32 to 140 °F)
• Setting range :	5 to 40 °C (40 to 104 °F)
• Comfort default setting :	28 °C (82 °F)
• Econo default setting :	18 °C (64 °F)
• Vacation default setting :	10 °C (50 °F)
• Storage :	-20 to 50 °C (-4 to 120 °F)

WARRANTY

WARMUP plc ONE (1) YEAR LIMITED WARRANTY

This product is warranted against material defects and workmanship in normal use for a period of one year, from the date of the original purchase from authorized dealers. During this period, WARMUP plc will repair or replace the product with a new or of equivalent quality at WARMUP's option, without charge, any product proven defective in normal use.

Warranty does not cover transportation costs. Nor does it cover a product subjected to misuse or accidental damage. This warranty does not cover the cost of installation, removal or reinstallation.

This limited warranty is in lieu of all other warranties, obligations or liabilities expressed or implied by the company. In no event shall WARMUP plc be liable for consequential or incidental damages resulting from installation of this product.

The defective product and the original sale receipt must be returned to the original dealer or shipped pre-paid, insured and addressed to :

WARMUP plc, Unit 1 Rowley Industrial Park, Roslin Rd., Acton, London, W3 8BH

If you have any questions concerning the installation or programming of this product, please call our technical helpline on **0845 345 2288**

INSTALLATION

ALL ELECTRICAL WORK MUST CONFORM TO THE CURRENT IEE WIRING REGULATIONS.

This thermostat is designed to control floor electric heating systems. The resistive load must not exceed 3840 watts (NI) @ 240 VAC (16 A). Electricians or experienced technicians should install the thermostat.

This thermostat is designed to be used with a self-protected heating system equipped with a residual current device (RCD or RCCD).

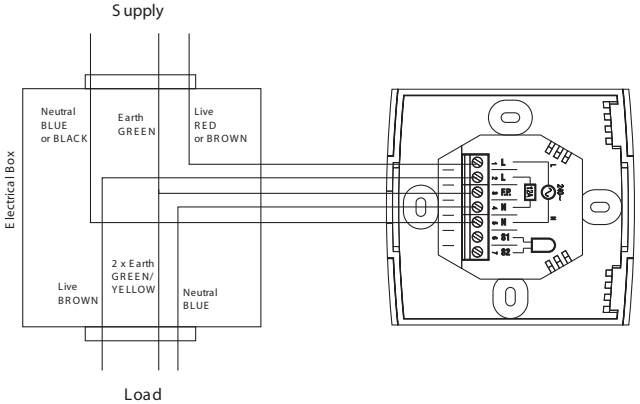
PARTS INCLUDED

- One (1) TSTAT (240 VAC) thermostat
- One (1) temperature sensor with a 4.6 meter extension.

TURN OFF POWER OF THE HEATING SYSTEM AT THE MAIN POWER PANEL TO AVOID ELECTRICAL SHOCK. Keep air vents of the thermostat clean and free from obstructions.

1) Connecting wires and mounting thermostat

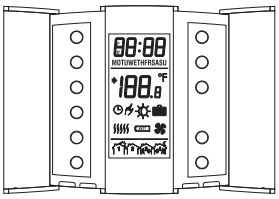
Connect to L1 and N5 (terminals) the line wires (240 VAC) that come from the breaker and connect the load wires to L2 and N4 (terminals) . See schematic diagram. Push the excess wire back into the electrical box to prevent interference with the thermostat. Secure the thermostat using two (2) screws. Once the thermostat is properly installed, return power to the heating system.



2) Connecting temperature sensor wire

Connect the temperature sensor wire to the S1 and S2 terminals situated at the far right of the connector of the thermostat (no polarity needs to be respected). The sensing probe should be placed in a representative heat area for maximum system performance. The sensing probe should be centered between the wires in the mat. The temperature sensor wire cannot cross any heater wires and the sensing probe must not be directly or adjacent to a heating wire.

Power-up



To power up :

When power is applied for the first time, the display must show the time 0:00, the floor temperature and the manual mode icon (✋). Other information might show up on the display if installation is defective or does not comply with the instructions.

The message L0 or HI will appear on the display if the temperature sensor is defective or the temperature is below 0 °C (32 °F) or higher than 60 °C (140 °F). Also, if the LO message is displayed, the heating indicator will be present on display and the relay will be closed (current going in the load).