Dual Touch Programmable Thermostat - User Guide
Models - W3115DT / W3115DT AU / W3115DT Black

warmup® Est. 1994
Underfloor heating | Tiled shower solutions

warmtech heating systems

1 Description

1.1 The Dual touch programmable thermostat has three temperature control modes:

A mode: ▶ controls the ambient air temperature

F mode: ▶ controls the floor temperature using an external temperature sensor

AF mode: ▶ controls the ambient air temperature maintains the floor temperature within desired limits using an external temperature sensor

Time
Day
Mode
A/F/AF mode
Period display
Power button
Menu button
Check button
Setting function
Temperature
Preset temperature
Adjustment buttons
Return button

1 Power off the thermostat when not in use (eg summer). This will not affect the time and temperature settings.
2 After Power-on, the thermostat shows the Power OFF display (see image 1)
3 Press the Power button for the Standby screen (image 5)
4 Press the Power button again for the Power ON screen.
5 Press the Power button for 3 seconds for the Power OFF screen (this will stop the scheduling and the towel rail mode).

Power OFF 1
Power ON (Air) 2
Power ON (Floor) 3
Power ON(Air+ Floor) 4
Standby 5
Air set temperature 6

Floor set temperature 7
Air+Floor set temperature 8

1.2 Preset Temperatures
The thermostat has 3 modes of temperature operation:
▶ Comfort temperature
▶ Economy temperature
▶ Vacation temperature

The following table shows the intended use and the default setting of each of the preset temperatures.

Mode	A/AF mode	F mode	Towel Rail
Comfort (when at home)	21°C	24°C	As per heated towel rail specifications
Economy (when asleep or away from home	17°C	16°C	
Vacation (during a prolonged absence)	10°C	10°C	

2 Modes of Operation

The thermostat has 4 modes of operation:

2.1 Automatic mode - Use the scheduling time to control temperature.

Programmed Schedule

The schedule consists of 4 periods per day, which represents a typical week day. You can program the thermostat to skip the periods that do not apply to your situation. For example, you can skip periods 2 and 3 for the weekend.

Period	Temperature	MON	TUE	WED	THU	FRI	SAT	SUN
	Comfort	5:30	5:30	5:30	5:30	5:30	6:00	6:00
	Economy	8:00	8:00	8:00	8:00	8:00	9:00	9:00
	Comfort	18:00	18:00	18:00	18:00	18:00	18:00	18:00
	Economy	21.30	21.30	21:30	21:30	21:30	21:30	21:30

2.2 Manual Mode - The temperature must be set manually. You can modify the preset temperature by pressing the ▽ △ buttons when the thermostat is in manual mode. The new temperature will remain until you return to automatic mode.

2.3 Vacation Mode - The thermostat uses the vacation preset temperature to control this mode.

2.4 Towel Rail Heating Mode -The following table shows the intended use and the default setting of each of the preset times.

Period	Temperature	MON	TUE	WED	THU	FRI	SAT	SUN
	As per heated towel rail specifications	5:30	5:30	5:30	5:30	5:30	5:30	5:30
		9:00	9:00	9:00	9:00	9:00	9:00	9:00
		18:00	18:00	18:00	18:00	18:00	18:00	18:00
		22.00	22.00	22:00	22:00	22:00	22:00	22:00

3 User Setting Operation

3.1 Date setting
- Press ☰ to select **Date** and press ✓ to confirm.
- Press ▽ △ to adjust the year and press ✓ to confirm This will then switch to the month setting.
- Continue setting up the year, month, date and the day (Monday to Sunday)
- Complete setting up the date and day, then switch to the next setting.
- Press ⏎ to exit.

3.2 Time setting
- Press ☰ to select **Time** and press ✓ to confirm.
- Press ▽ △ to adjust the hour and press ✓ to confirm This will then switch to the minute setting.
- Continue setting up the hour and minute (the current setting item will flicker)
- Complete setting the minutes, then switch to the next setting.
- Press ⏎ to exit.

3.3 Mode setting
- Press ☰ button and then the ✓ to confirm when **Mode** flashes.
- Press ▽ △ to select Automatic ▦, Manual ▨ or Vacation mode 🧳
- Press ✓ for the setup.
- If Automatic mode is selected, it will stop flashing.
- If Manual mode is selected, ▨ and 88.8 will flash. Press ▽ △ to adjust the temperature and ✓ to confirm.
- If Vacation mode is selected, **Days** and 88.8 will flash. Press ▽ △ buttons to adjust the days and ✓ to confirm.
- Press ⏎ to exit the mode setting and press it again to exit the user setting.

3.4 Schedule setting
- Press ☰ to select **Sched** and press ✓ for the setup ▦, 🏠 and the current day of the week will flash.
- Press ▽ △ to select the week and ✓ to confirm.
- It now switches to the hour setting. Press ▽ △ to adjust the hour or adjust to blank and skip the hour setting.
- Press ✓ to confirm and then set the minute setting. If you adjust to blank, then it will skip periods 1 and 2.
- Press ▽ △ to adjust the temperature and press ✓ to confirm and switch to the next period setting.
- After setting up all periods, press ⏎ to exit the scheduled setting and press it again to exit the user setting.

3.5 Towel Rail setting
- Press ☰ to select **Towel** and press ✓ for the setup, 🏠 and 88:88 will flash.
- Press ▽ △ to adjust the hour and minute setting and press ✓ to confirm. If you adjust to blank, then it will skip to the next period.
- After setting up all periods, press ✓ to exit the Towel rail setting and press it again to exit the user setting.

To access Electrician/Installer settings, go to
https://www.warmup.co.nz/engineering-settings/

3.6 Clean Screen setting
- Press ☰ to select **Clean** and press ✓ to confirm.
- All keys will lock in 10 seconds.
- Press ⏎ to exit.

3.7 Brightness setting
- Press ☰ to select **Bright** and press ✓ to confirm.
- Press ▽ △ to adjust the brightness and press ✓ to confirm [Range:1-5].
- Press ⏎ to exit.

4 Error Messages

LO 1 The measured air temperature is below the thermostat's display range. Heating is deactivated.

HI 1 The measured air temperature is above the thermostat's display range. Heating is deactivated.

LO 2 The measured floor temperature is below the thermostat's display range. Heating is deactivated.

HI 2 The measured floor temperature is above the thermostat's display range. Heating is deactivated.

5 Technical Specifications

Power supply: 90/260 VAC, 50 Hz
Maximum load: 10A (Towel rail); 16A (Floor/ Air)
Display range: -5 °C to 50 °C
Ambient setpoint range (A/AF modes): 0 °C to 35 °C
Floor setpoint range (F mode): 5 °C to 40 °C
Floor limit range (AF mode): 5 °C to 40 °C
Display resolution: 0.5 °C
Operating temperature: 0 °C to 50 °C
Storage temperature: -20 °C to 50 °C
Heating cycle length: Refer to the power base's installation guide Temperature sensor: NTC thermistor

Data backup: In the event of a power failure, most settings are saved. Only the time must be re-adjusted if the power failure lasts more than 6 hours. The thermostat will return to the mode that was active prior to the power failure.

Warranty   THREE (3) YEAR WARRANTY

This product is warranted against defects in material and workmanship under normal conditions of use for a period of **3** years from the date of purchase. During this period, WARMUP will repair or replace the product, if it is defective in normal operating conditions in terms of materials or workmanship, with a new product of equivalent quality at WARMUP's option.

The warranty does not cover costs of transportation, removal, installation or damage caused by misuse or accident. In no event will WARMUP be liable for consequential loss resulting from the installation of the product. Any defective product should be sent with the original invoice to the original installer, or shipped prepaid, insured and sent to the following address:

WARMUP New Zealand Ltd
483A Rosebank Road,
Avondale, Auckland
New Zealand

Warmtech Heating Systems
20 Sunny Bank Road
Lisarow, NSW 2250
Australia

☎ Customer Assistance

If you have any questions concerning the installation or operation of this product, call our technical support team on:
Phone: 0800 WARMUP (927-687) **NZ** / 1300 138 126 **AU**
Email: info@warmup.co.nz / info@warmtech.com.au
For more information on our products, visit us at:
warmup.co.nz / warmtech.com.au