WIRELESS THERMOSTAT

The Herschel iQ T1 Wireless Room Thermostat Controller is specifically designed to pair with the Herschel iQ R1 Wireless Receiver to control Herschel infrared panel heaters. The T1 can be paired to more than one R1 Wireless Receiver, meaning multiple heaters within the room can be controlled by the T1 Thermostat.

The T1 is designed to be easy to operate, incorporates Herschel's open window technology, features 3 manual settings and 5+1+1 day programming. The T1 will operate your Herschel heater(s) by turning them ON if the room temperature is lower than the desired temperature and will turn them OFF once the desired temperature is reached or exceeded (to produce the optimum wavelength of far infrared, Herschel heaters are either ON or OFF and do not have variable temperature control).

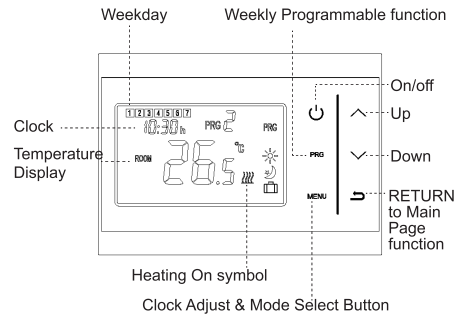
Please read these instructions in conjunction with the R1 Wireless Receiver instructions. Both devices T1 and R1 must be "paired" to each other for the T1 to operate. NOTE: The T1 cannot control Herschel infrared panel heaters without the R1 Wireless Receiver. If you wish to operate more than one heater, the heaters must all be wired to the R1 Receiver (not exceeding the permitted wattage) or a further R1 Receiver is needed.

Key features

- Battery operated
- Easy to use and install
- Surface mounted or freestanding
- 5+1+1 day programmable
- 3 modes including holiday mode
- Open window function
- Wireless 433Mhz
- CE, Rohs， R&TTE approved
- Wireless distance: 200m (in open places)
- 12 month warranty

The T1 can be wall mounted using the mounting plate and fittings included or can be free standing using the stand included. If possible, choose a location where the unit cannot be interfered with by young children and away from the Herschel infrared heaters. Locating the T1 within too close a proximity (< 3 metres) to the heater will result in the thermostat sensing the heat from the heater and not the average room temperature.

Displays and buttons

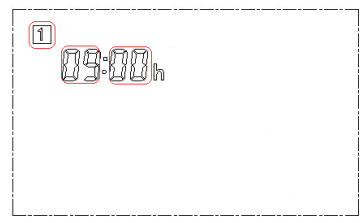


Operating instructions

1.Insert the batteries

2.Pair the controller with the Herschel R1 Receiver (refer to the R1 instructions)

3.Set the time and day



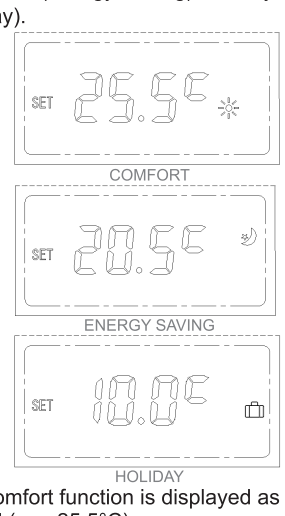
• Turn the unit on by pressing the ON/OFF button. Press and hold the **MENU** button for 3 seconds, the "minutes" display will flash. Press the UP button or DOWN button to select the minutes (each press is one minute).

• Once you have selected the minutes, press the **MENU** button, the "hour" display will flash, change the hour by using the UP and DOWN button. (each press is one hour). NOTE, this a 24 hour clock.

• Press the **MENU** button again, the day display will flash. Change by using the UP or DOWN buttons. Use 1 to 7 for Monday to Sunday (so Monday is 1, Tuesday is 2 etc). Press the **RETURN** button to select the day.

4.Set the Manual operation modes

The T1 has 3 temperature modes. Use these modes if full 7 day timer is not required or to override the timers. For example, when at home all day (Comfort), a constant temperature is required (Energy Saving) or away on holiday (Holiday).



The Comfort function is displayed as a ☀ symbol (e.g. 25.5°C).

The Energy-Saving function is displayed as a ☾ symbol (e. g. 20.5°C).

The Holiday function is displayed as a ▭ symbol (e.g. 10.0°C).

- Press "**MENU**" button once, the comfort mode temperature symbol will be displayed, change the temperature using the UP and DOWN buttons. "SET" will be displayed indicating that you have changed the setting.
- Once set, Press "**MENU**" button again, the Energy Saving mode temperature will be displayed, change the temperature using the UP and DOWN buttons. "SET" will be displayed indicating that you have changed the setting.
- Press the "**MENU**" button again, the Holiday mode temperature will be displayed, change the temperature by using the UP and DOWN buttons. "SET" will be displayed indicating that you have changed the setting.
- Return to the main page by pressing the "**RETURN**" button

To Select a mode at any time press the "**MENU**" button. This will override the timer or current temperature setting. For example, if you wish to select the Holiday mode, select this by pressing "**MENU**" and the T1 will maintain your preset holiday temperature until another function is chosen.

5.Set the timer

The T1 has a 5+1+1 timer (Monday to Friday, Saturday, Sunday), with 4 periods per day. Set Period 1 as the temperature for the morning. Period 2 will be the fall back temperature for the daytime. Period 3 will be the temperature required for the evening and period 4 will be the overnight temperature.
Unlike conventional heating, Herschel far infrared directly heats the room (the "Thermal Mass"). For areas in frequent use it is more economical to avoid temperatures dropping too low as the heater then needs to be on for a much longer period to restore temperatures. We recommend overnight "set back" temperatures of no lower than 14°C and daytime temperatures (when the room is not occupied) of 16°C and above. Assuming the correct specification of heaters has been installed, for mornings and evenings allow around 30 minutes to 1 hour for the heaters to achieve the desired room temperature from the set back temperatures (so, for example, if you want the room at 21°C at 7am, set the heater to come on at 6am).

To set the timer

- Hold "**PRG**" button for 3 seconds to start the 5+1+1 program setting.
- Press the UP or DOWN button to set the time of the first period of the "Monday to Friday" Program.
- Press the "**PRG**" button to shift to the temperature setting of the first period, adjust the temperature by pressing the UP and DOWN buttons.
- Press and hold the "**PRG**" button to start the time setting of the 2nd period of the Monday to Friday Program. Repeat the above procedure to finish setting the other periods of the Monday to Friday program.
- Repeat the process again to set the Saturday Program and Sunday Program.
- Once set up is complete, press **RETURN** to get back to the main display.

Example:

Monday to Friday				
Period	1	2	3	4
Time	6:30	8:00	18:00	22:30
Temp.	21°C	18°C	21°C	16°C

Saturday				
Period	1	2	3	4
Time	8:00	10:00	18:00	23:00
Temp.	21°C	18°C	21°C	16°C

Sunday				
Period	1	2	3	4
Time	9:00	12:00	19:00	00:00
Temp.	21°C	18°C	21°C	16°C

To put the T1 into timer mode, press "**MENU**" until "**PRG**" is displayed. Once in this mode the timer will operate unless over-ridden by another selection (such as COMFORT mode).

When the thermostat is in timer mode (PRG), the desired temperature can be changed by pressing the UP or DOWN buttons. The temperature will then be set at this level until the next timer change occurs. Using the example in the table above, if it was 18:00 on a Monday, the thermostat would be set to 21°C. If you wished to increase the temperature to 23°C, press the UP button to 23°C, the thermostat will then be set at 23°C until 23:00 when the period 4 timer function would reduce the thermostat to 16°C.

Other Instructions

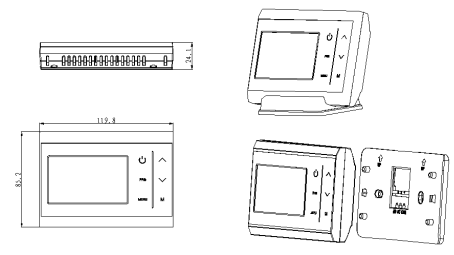
Energy saving features.

The T1 incorporates Herschel's latest open window technology which ensures compliance with EU energy reduction directives. When the room temperature is 14°C and above, if the thermostat senses a fall in temperature of 2°C or more within a 15 minute period, the T1 will turn off the heater(s) for one hour and the "heater on" symbol will not show. This is to avoid wasting electricity where a window or door is likely to have been opened. To override this, press the UP button to adjust the temperature higher than the room temperature or press the 1 hour "Boost" function on the R1 Receiver.

Temperature calibration
(this function is not usually necessary)

If the T1 is situated close to a heat source (such as a Herschel heater) or in a cold area (window, external wall), the thermostat may need to be adjusted to compensate. To calibrate, put the unit in "OFF" mode Press and hold the MENU button for 3 seconds. Adjust the temperature by using the UP or DOWN buttons. Press RETURN to save the setting.

Dimensions & Technical information



Power Supply	2*AAA battery
Set Point Range	5~30℃
Ambient	0~50℃
Relative Humidity	85%
Backlight	White
Sensor	NTC 10K, 3950ohms at 25℃
Accuracy	± 0.5℃ (step control by +0.5℃)
Protection Class	IP20
Housing	ABS to UL94-5 fire retardant plastic