

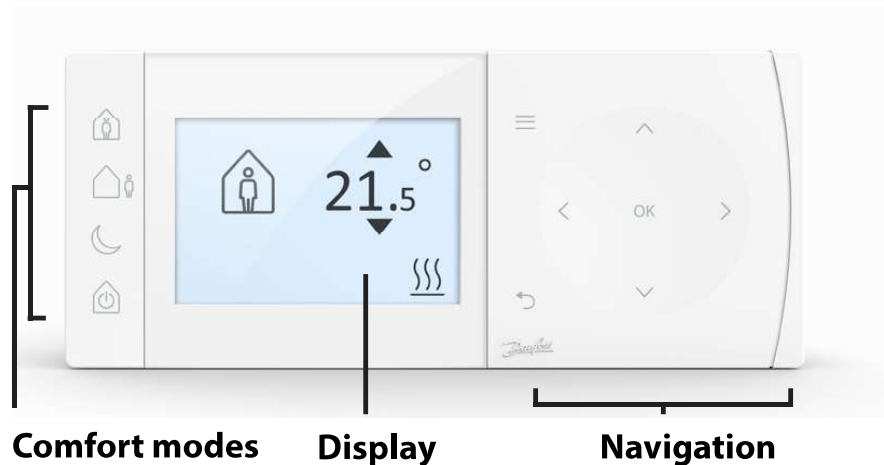


TPOne-M

*Electronic Programmable Room Thermostat
including Domestic Hot Water Timer*

Installation Guide

User Interface



Comfort Modes

Heating made easy: TPOne Comfort Modes simplify the way you plan your heating day to day. You define your comfort modes in the user schedule and manually override when you need, allowing you to adapt your schedule to the way you live.





The Home, Away and Asleep comfort modes are linked to your defined comfort temperatures. The schedule follows the daily routine you have set or you just choose the comfort mode required and TPOne will recall the settings you have defined.

The TPOne Standby Mode allows you to switch your heating off when not required although the thermostat continues to monitor the room temperature and call for heating should there be a risk of frost damage.





NOTE:

TPOne has been designed with touch sensitive user interface buttons. To avoid accidental setting changes the interface buttons stay in an idle state during which time the first button press needs to be made for 1sec, this will place the TPOne into an active setting state. While active the TPOne will respond immediately to any valid key press. If no key presses are made for 30secs the buttons will go back to an idle state.

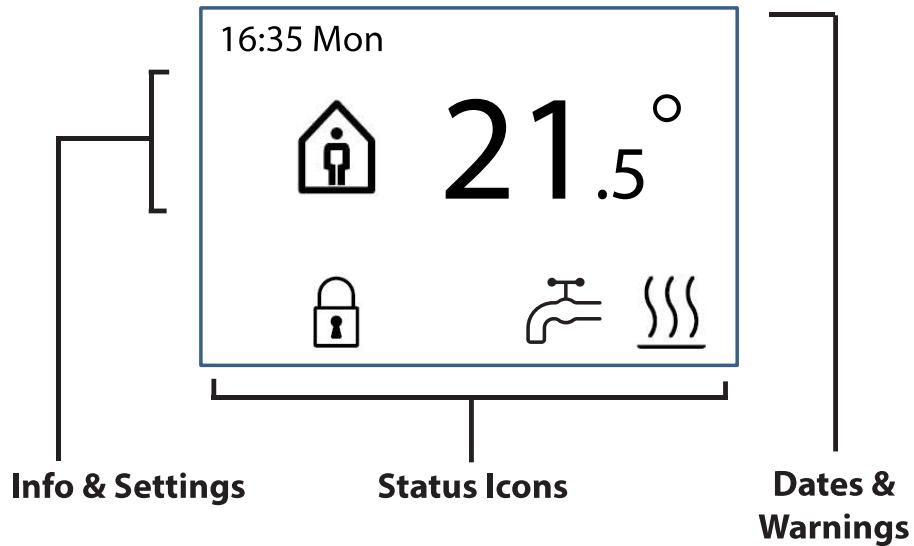
Comfort Modes




	<p>Home Mode selects the home comfort temperature typically when the home is occupied during the day. The required temperatures for Home mode are selectable in the Temperature setting (see User Menu > Temperatures.) A separate Home AM and Home PM temperature can be chosen and these are automatically set according to the time of the day.</p> <p><i>Note: When in Home mode if the home button is pressed again a 1, 2 or 3 hour heating boost is selected and the current home period is extended by the chosen time period. The chosen boost period is displayed under the Home icon on the display.</i></p>
	<p>Away Mode selects the away comfort temperature typically when the home is unoccupied during the day. The required temperature for Away mode is selectable in the Temperature setting (see User Menu > Temperatures).</p>
	<p>Asleep Mode selects the nighttime comfort temperature which is set between the end of the last home period of the day and the beginning of the first home period of the following day. The required temperature for Asleep mode is selectable in the Temperature setting (see User Menu > Temperatures).</p>
	<p>The TPOne can be placed in Standby Mode. While in Standby the TPOne will not control the heating system other than to protect against frost damage (see User Menu > Installer Settings > Frost Protect for information on frost protect). Standby can be cancelled by pressing the Standby button again or by selecting another comfort mode.</p> <p><i>Note: the standby option places the heating control in standby only, if Hot Water is set up this is not affected. To switch Hot Water control off see User Menu > Hot Water > Mode</i></p>

Navigation

	Menu Press Menu to access the intuitive text menu. The common feature User Menu will be displayed first. Additional settings can found in the User Setting option and more advance settings can be found in the Installer Setting option.
	Select / Confirm Press OK to select menu options or confirm settings. OK will be shown on the display when it can be used or is required.
	Menu Back Press ↶ to exit a menu option. Pressing ↶ while in a setting will result in that setting change not be accepted. ↶ will also exit the menu system. ↶ will be shown on the display when it can be used
	Navigation The Navigation buttons are used to navigate the TPOne menus and change setting values. The up & down buttons are also used to manually change the required temperature. Navigation arrows will be shown on the display when these buttons can be used.

Display



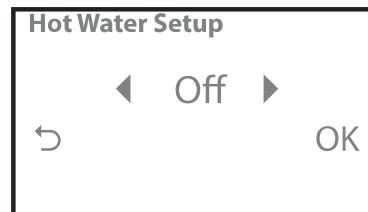
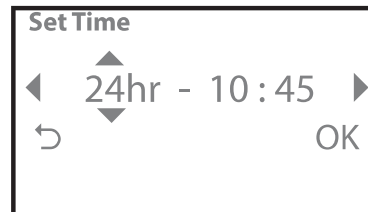
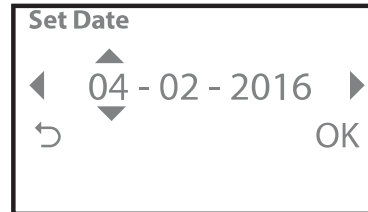
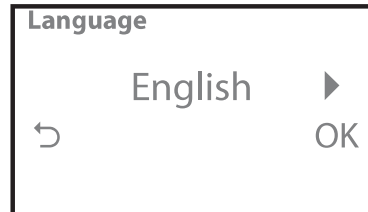
	<p>Button Lock</p>	<p>Indicates that Button Lock has been activated to avoid unintentional setting changes. To activate buttons while button lock is active press the OK button for 5 seconds. The Button Lock setting is found in the Installer Menu.</p>
	<p>Heat Calling</p>	<p>When the current room temperature is below the required room set temperature the TPOne will call for heating from the connected heat source. This is indicated by the Heat Calling icon.</p>
	<p>Hot Water Calling</p>	<p>Where the TPOne has been set up for control of domestic hot water the TPOne will call for hot water heating according to the user set schedule. This is indicated by the Hot Water Calling icon.</p>

NOTE:

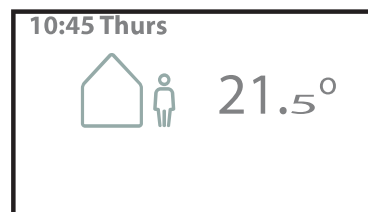
TPOne monitors several conditions and will provide warning or information messages when necessary. Details on these can be found on pages 24 - 26.

Setup Wizard

The setup wizard will run when power is first applied to the TPOne. Once set the further changes can be made in the user and installer setting menus.



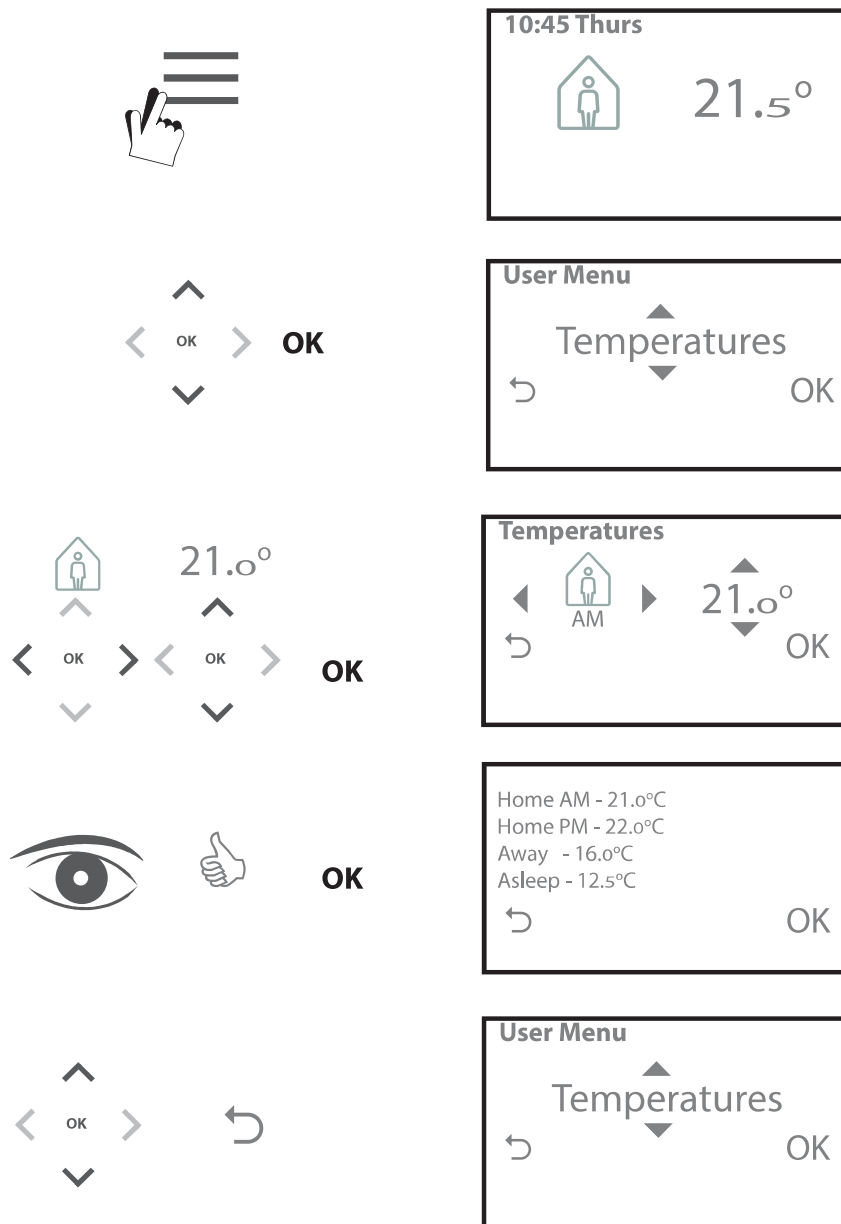
READY



Set Temperatures

Follow this routine to set required Comfort Mode temperatures. Changes can be made for each mode, once all changes have been made press OK and a confirmation screen will display the new settings.

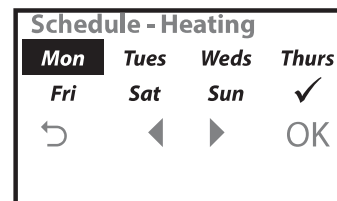
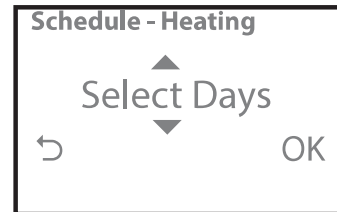
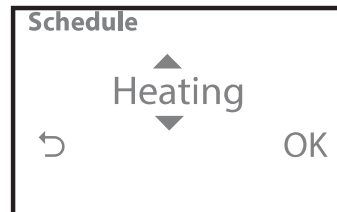
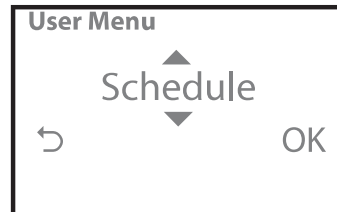
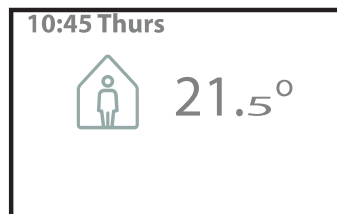
See page 22 for default temperatures



Setup Schedule

Follow this routine to set Heating Schedule. Days can be set individually or grouped and options for weekdays and weekend settings can be selected. All day combinations can then have one, two or three Home Periods selected. TPOne will automatically fill in the gaps with Away and Asleep Periods depending on the time of the day.

Where TPOne is set up to control domestic hot water as well as heating there is a dedicated Hot Water schedule which can be set
See page 22 for default schedule times



Setup Schedule (Continued)

OK OK

Schedule - Heating			
Mon	Tues	Weds	Thurs
Fri	Sat	Sun	✓
↶	◀ ▶		OK

^
 < OK > OK
 v

Select Home Periods	
◀ 3 ▶	
↶	OK

^ ^
 < OK > OK < OK >
 v v

Home Period - 1	
From	To
◀06.00▶	08.30
↶	OK

^ ^
 < OK > OK < OK >
 v v

Home Period - 2	
From	To
◀12.30▶	13.30
↶	OK

^ ^
 < OK > OK < OK > OK
 v v

Home Period - 3	
From	To
◀17.30▶	22.30
↶	OK




Schedule - Heating	
Your heating schedule has been saved	



^ ↶
 < OK >
 v

User Menu	
◀	Schedule
↶	OK


User Menu

Hot Water	<p>User override settings for Domestic Hot Water:</p> <p>Boost - choose to extend the current hot water heating period for 1, 2 or 3 hours. Once boost time is finished hot water heating will return to user set schedule.</p> <p>Mode - choose between scheduled on or off. Scheduled mode will follow the user set hot water heating schedule. Off mode will switch hot water heating off and will remain off until set back to scheduled.</p> <p>Default settings: Boost - Off Mode - Scheduled</p> <p><i>Note: The Domestic Hot Water feature will be set at installation and will require a separate hot water cylinder thermostat and suitable wiring to the boiler. If the TPOne has been installed for heating only this menu option will not be given. The hot water heating feature can be deactivated after installation, see User Menu > Installer Settings > Hot Water Setup</i></p>
Click & Save 	<p>Click & Save is an easy access saving function. Switching Click & Save ON will reduce the user set comfort temperatures by 1°C. Switching Click & Save OFF will return TPOne to the user set comfort temperatures.</p> <p>Default setting: Off</p> <p><i>Note: Independent tests have shown that a reduction in home heating temperatures by 1°C can save on average 10% energy.</i></p>
Heating Mode	<p>Heating Mode will change the TPOne from a thermostat with full user set heating schedule to a manually set temperature only thermostat. In schedule mode the thermostat will follow the user set heating schedule. In manual mode the user set schedule will be ignored, the required comfort mode is then chosen manually.</p> <p>Default setting: Scheduled</p>

User Menu (Continued)

<p>Schedule</p> 	<p>User set heating schedule option:</p> <p>Heating - settings for the daily heating schedule. Choose weekday, weekend or independent daily options and 1,2 or 3 periods per day. Option to reset daily heating schedule to factory defaults.</p> <p>Hot Water - settings for the daily domestic hot water schedule. Choose weekdays, weekend or independent daily options and 1,2 or 3 periods per day. (Option only available if TPOne has been configured for domestic hot water control) Option available to reset daily domestic hot water schedule to factory defaults.</p> <p>Summary - graphical overview of the set daily heating or hot water schedule</p> <p>Default settings: see default heating times later in this guide</p>
<p>Tempertures</p>	<p>User set comfort temperatures (heating), individual comfort temperatures for Home AM, Home PM, Away and Asleep. Home AM and Home PM temperatures will be set during the home periods chosen in the user set heating schedule, see User Menu > Schedule. Away temperature will be set during the day between the home periods. Asleep temperature will be set during the night between the home periods.</p> <p>Default settings: Home AM - 20°C Home PM - 20°C Away - 15°C Asleep - 15°C</p>
<p>Holiday</p> 	<p>Holiday feature allows you to set in advance your holiday dates. TPOne will reduce the heating to your chosen Holiday temperature on the first day set to save energy and will return to your set schedule and mode temperatures on the return date to ensure the home is comfortable for your return.</p> <p>Enter start and end date of your holiday and the required energy saving home temperature..</p>

User Settings

Set Date	Option to set the current date.
Set Time	Option to set the current time and 12 or 24hr clock setting.
Button Click	<p>Button Click is an audible feedback feature to confirm button press. Button Click can be switched On or Off</p> <p>Default setting: On</p>
 Backlight	<p>When buttons are pressed on the TPOne the display backlight will come on to aid viewing. Where backlight is not required this feature can be switched off.</p> <p>Default setting: On</p>
Temperature Scale	<p>Choose between centigrade °C or fahrenheit °F</p> <p>Default setting: °C</p>
Language	<p>Choose menu language</p> <p>Default: English</p> <p><i>Note: if required a reset menu language feature is available, press and hold OK for 5secs and the option to change language will be given.</i></p>
User Reset	<p>User Reset will return user settings only to the TPOne factory default.</p> <p><i>Note: User Reset will not reset settings in the first level user menu or the date and time.</i></p>
Information	Information on product type, software level and boiler service interval date if set.