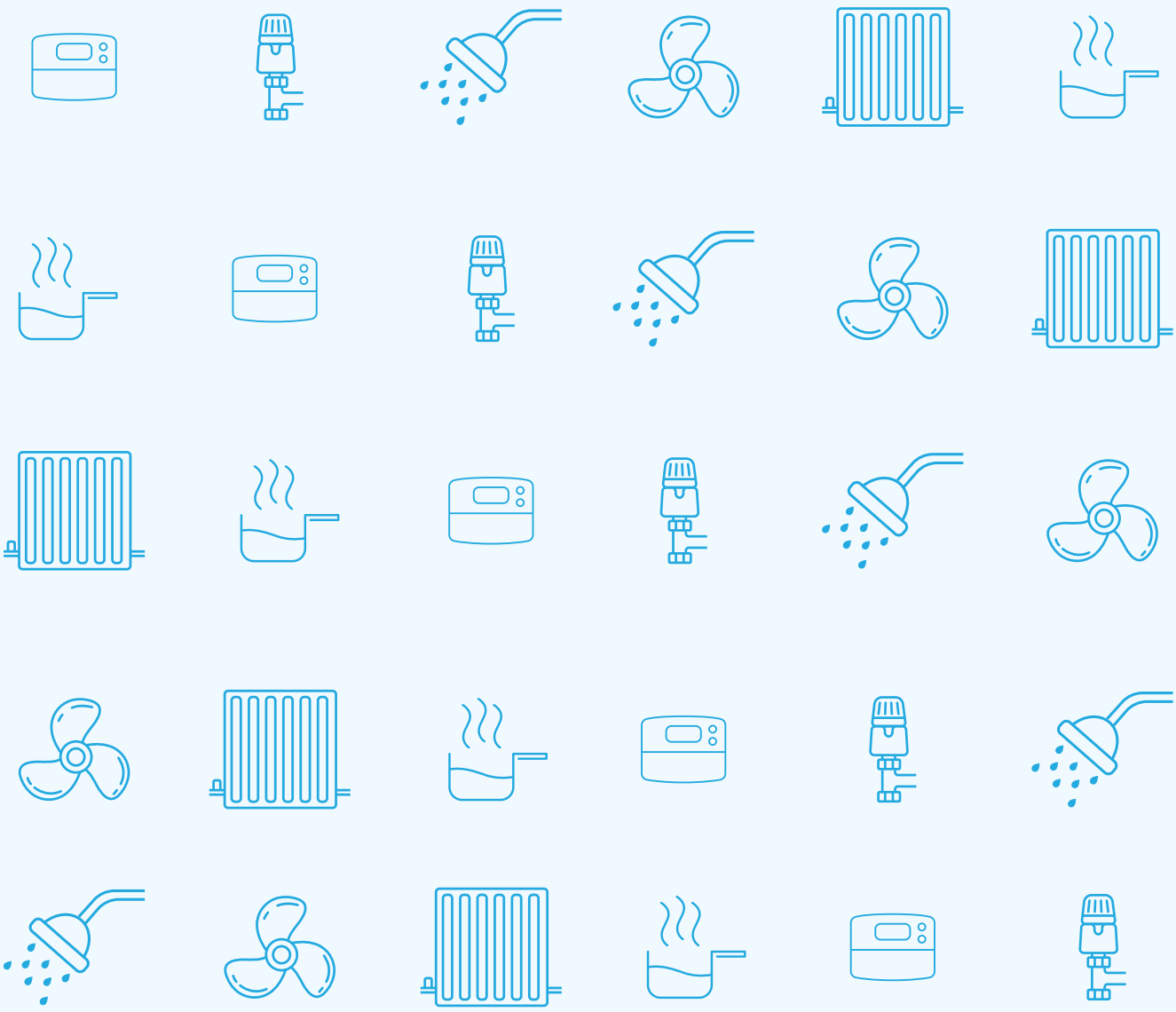
Queens Cross Housing Association

Heating, Hot Water and Ventilation

Your Guide



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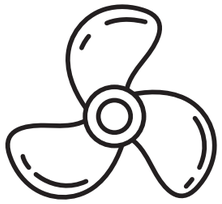
Ventilation

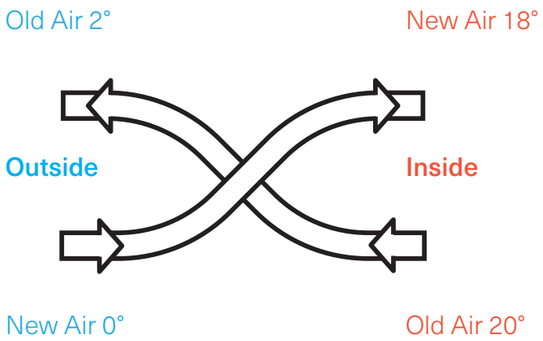
Mechanical Ventilation

Your home has been insulated and draught proofed to improve comfort and reduce energy bills. A mechanical ventilation system is required to ensure good air quality is provided all the time.



What is MVHR?

MVHR is Mechanical Ventilation with Heat Recovery. Fresh new air from outside is pre-heated by the used air that is extracted in a heat exchanger. Fresh air is delivered to the living areas and old air is extracted from the kitchen and bathroom. Heat recovery ventilation works best when your home is heated and will recover heat which would otherwise be wasted.



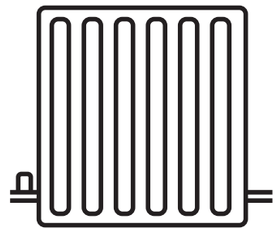
Ventilation boost

If you do a lot of cooking or bathing there will be a lot of moisture in the air. You can boost the ventilation system by pressing the boost button for 10 seconds. After 30 minutes it will automatically return to normal ventilation mode.

Heating

Central Heating

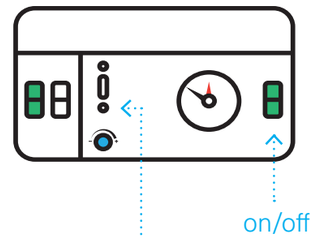
A new central heating system has been installed which works on demand when you want it.



Controls

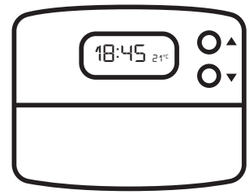
Please note: we recommend you leave the boiler switched on at all times. Turning it off could mean reprogramming the system.
The On/Off switch for the heating is located on the right hand side of the boiler control panel.

If the green light is flashing, this means the heating system is working as it should to reach a set temperature.



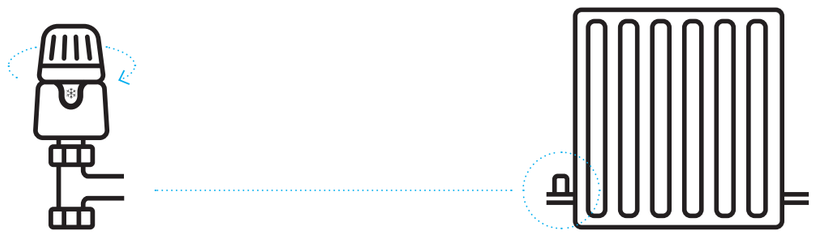
Thermostat

A programmable room thermostat is located in the hall. Use it to set the temperature in your home and choose when your heating is on or off (see pages 6-7).



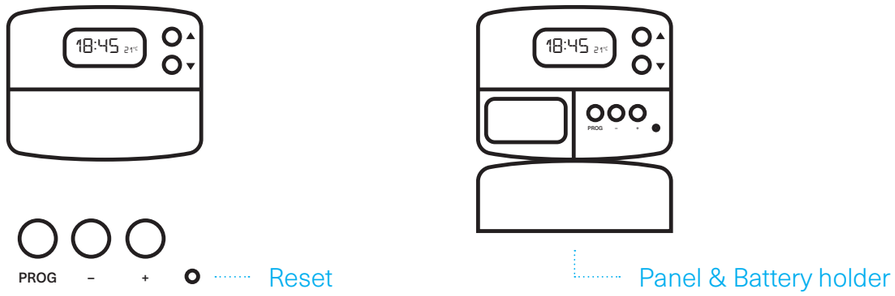
Radiator valve

Heating can be adjusted at individual radiators using the thermostatic radiator valve.



How to programme your central heating

Figure 1



Accepting pre-set timings

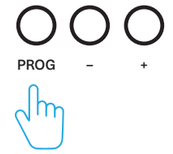
The day and time are set in the factory and therefore it will not normally be necessary to do this on site. Changes between summer and winter time are handled automatically by the unit. The heating will turn on automatically as soon as the temperature drops below the pre-set temperature e.g. 20°.

The TP5000 Si is installed with pre-programmed timings and temperatures (see table below). The system changes between summer and winter time automatically. See the next section if you want to make any changes to settings.

Monday to Friday			Saturday to Sunday		
Event	Time	Temp. ˚C	Event	Time	Temp. ˚C
1	06:30	20		07:30	20
2	08:30	15		09:30	20
3	11:30	20		11:30	20
4	13:30	15		13:30	20
5	16:30	21		16:30	20
6	22:30	15		22:30	15

To re-set your central heating

Figure 2



For Days 1-5 (weekdays)

a. Press PROG **Fig. 2** until the 1st pre-set time and temperature (Event 1 Days 1,2,3,4,5) **Fig 3.**

Figure 3

b. Use + or – buttons **Fig. 4** to adjust the time (press and hold to change in 10 min increments).

c. Use up or down buttons **Fig. 5** to adjust the temperature.

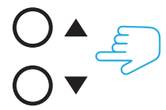
d. Press PROG **Fig. 2** to move to next pre-set time and temp (Event 2) **Fig. 6**.

Figure 4

e. Repeat steps b, c and d for programming events 3, 4, 5 and 6.

For Days 6-7 (weekends)

Figure 5



1. Press PROG **Fig. 2** to show 1st pre-set time and temperature (Event 1 Days 6-7) **Fig. 7**.

2. Repeat steps b, c and d above to programme time and temperature events for the weekend.

Figure 6

Returning to RUN mode

Press PROG **Fig. 2** – the colon in the LCD display will start to flash **Fig. 8**.

Figure 7

Complete shut off – summer time

To turn your central heating system off completely, press the up and down arrow buttons (Fig. 5) at the same time. A frost protection symbol (snowflake in a shield) will appear in the display. Press the down arrow once, OFF will appear in the display. To return to automatic programming, press the up and down arrow buttons (Fig. 5) at the same time. The word ON will appear in the display.

Figure 8

Hot Water

Hot Water Cylinder

Your home is fitted with a 180 litre insulated hot water storage cylinder. The cylinder will supply hot water throughout your home, including the shower in your bathroom.

The On/Off switch to your hot water system is located on the left hand side of the control panel.

Please note: we recommend you leave the cylinder switched on at all times. Turning it off could mean reprogramming the system.

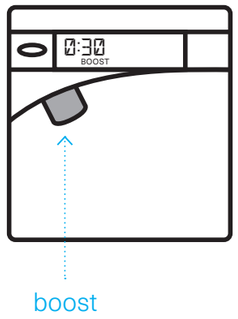
Controls

A programmable timer is located near to the hot water cylinder. Here you can set the time and day that water is heated. It is recommended that you set the timer to make use of any off-peak tariff which may be available. You can give your hot water a boost by pressing the big grey button.

Press once = 30mins
Press twice = 60mins
Press three times = 120mins
Press four times = cancel function

Please refer to the set up guide on the next page for more details.

Please note: boosting your hot water uses more energy and can significantly INCREASE your energy bill.

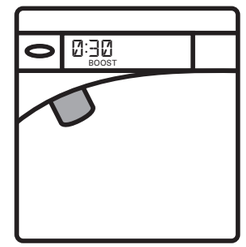


How to programme your hot water system

The programmer offers a maximum of 3 on and 3 off operations to be set each day.

> 1 = 24 hour cycle (default) – All days are programmed the same.
> 2 = 5/2 day cycle – Mon–Fri are the same, Sat-Sun have separate programmes.
> 3 = 7 day cycle – Each day is independently programmable.

The programming cycle selection is offered as part of the initial product set up or if a product reset has been carried out. Under normal conditions the programming cycle selection display is not shown.



Programming Cycle Settings

1. Press SET to exit initial reset display if shown.
2. Press SET to scroll through and review settings in sequence.
3. Press - and + to adjust these settings.
4. 7 day cycle ONLY – Press BOOST to copy programmes into the next day.
5. 7 day cycle ONLY – Press OFF/ON to skip a day.
6. If a button is not pressed within 30 seconds, the unit will revert back to normal running state.

Product Reset (return to default settings)

Switch off power to unit.
Hold in BOOST button whilst switching power back on.

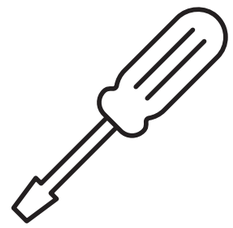
1 displayed = press BOOST
2 displayed = press SET
3 displayed = press -
4 displayed = press +
5 displayed = press OFF/ON

All LCD segments flashing displayed (reset) = press SET to reprogramme

Maintenance

The heating and ventilation system will require routine servicing at a minimum time interval of 1 year.

Do not attempt to carry out any maintenance to your heating or ventilation system.

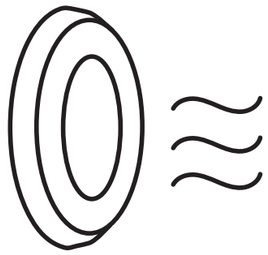


Fault Finding

If the boiler alarm light comes on, contact us immediately. See page 11 for contact details.

If there is no air movement at the ventilation supply terminals in bedrooms or the living room please call us.

Do not change position of terminal



Contact

Repairs Contact

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