



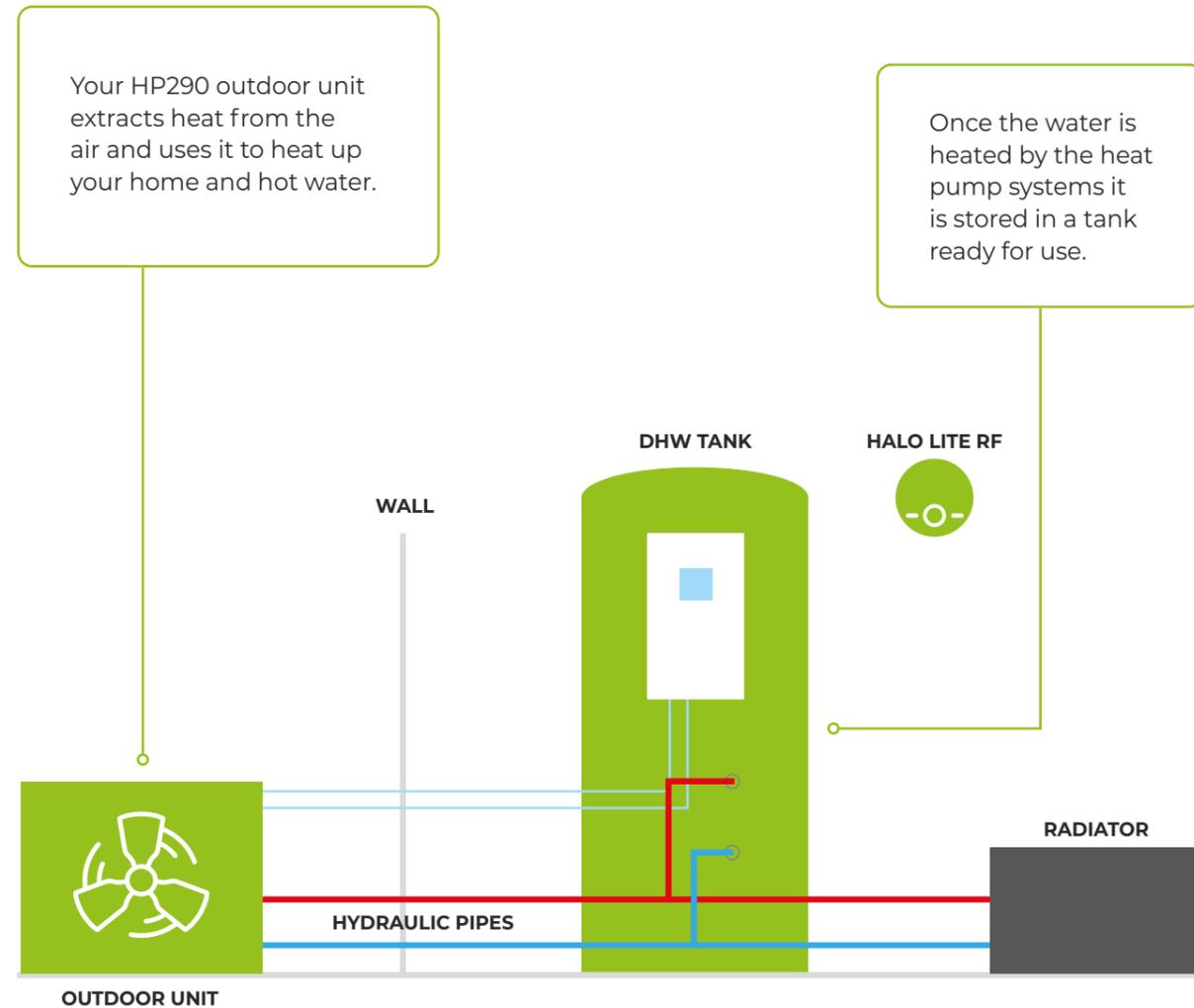
HP290 monobloc heat pump

USER GUIDE

idealheating.com

A tour of your new heating system

Your HP290 heat pump package includes an outdoor heat pump unit, hot water cylinder and our Halo Lite RF thermostat.



Looking after your heat pump

A little care can go a long way in keeping your heat pump running optimally:

1

Check your heat pump

Look around the whole unit and make sure nothing is blocking the heat pump. Leaves or snow could jam the heat pump and affect its operation. To clean your unit, use a weak soap solution and be sure not to use high pressure water, as this could cause damage.

2

Do not stack things against or on top of the heat pump

This could restrict the air flow or damage the heat pump.

3

Keep the area around your heat pump free of clutter and mess

Heat pumps work by taking heat from fresh outdoor air. Keeping the area around your heat pump clear will ensure that it has access to all the fresh air it needs.



Weather compensation control

During the warmer months, the temperature will be lower in the radiators and/or underfloor heating. They will feel cooler to touch but they will keep your home warm and comfortable, whilst also making sure the heat pump is working as efficiently as possible.

When the weather is cooler, the temperature will increase meaning your radiators will get hotter as the temperature outside gets colder.



Annual Service

Annual servicing is required to maintain warranty, however, regular servicing will ensure your system keeps running effectively and efficiently and can solve any issues to prevent any further problems.

What is a defrost cycle

As the temperature outside drops, it's not uncommon for frost to build up on your heat pump. The frost will reduce the efficiency of your heat pump so it must be defrosted.

Your heat pump will detect frost build up on its own and will automatically go into a defrost cycle which should last a few minutes.

During a defrost you will see steam rising from your heat pump and more water than usual coming from the bottom.

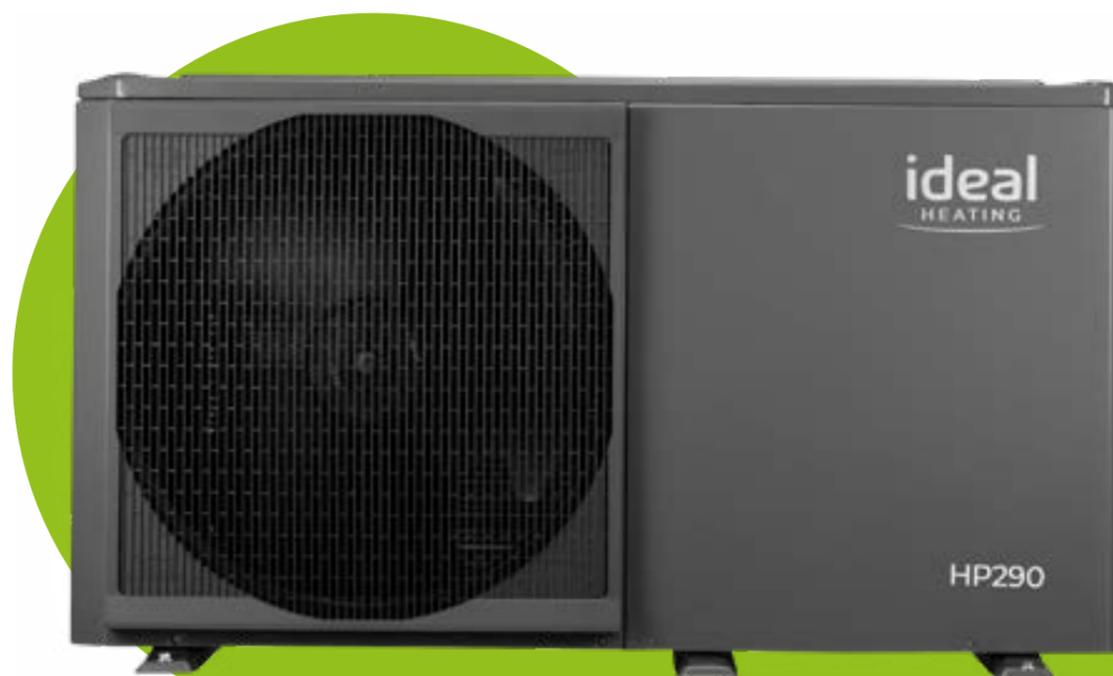


Defrost Cycles

The defrost cycle takes place depending on several factors...

- > The humidity of the air
- > The amount of energy being taken out
- > The time the heat pump has been running

When the outside air temperature is around 2.5°C, the de-icing cycle will happen more often, and will happen less when the air temperature is below 0°C, as there is less water in the air.



Understanding your energy usage

The way we use energy changes as we move into the colder or warmer seasons.

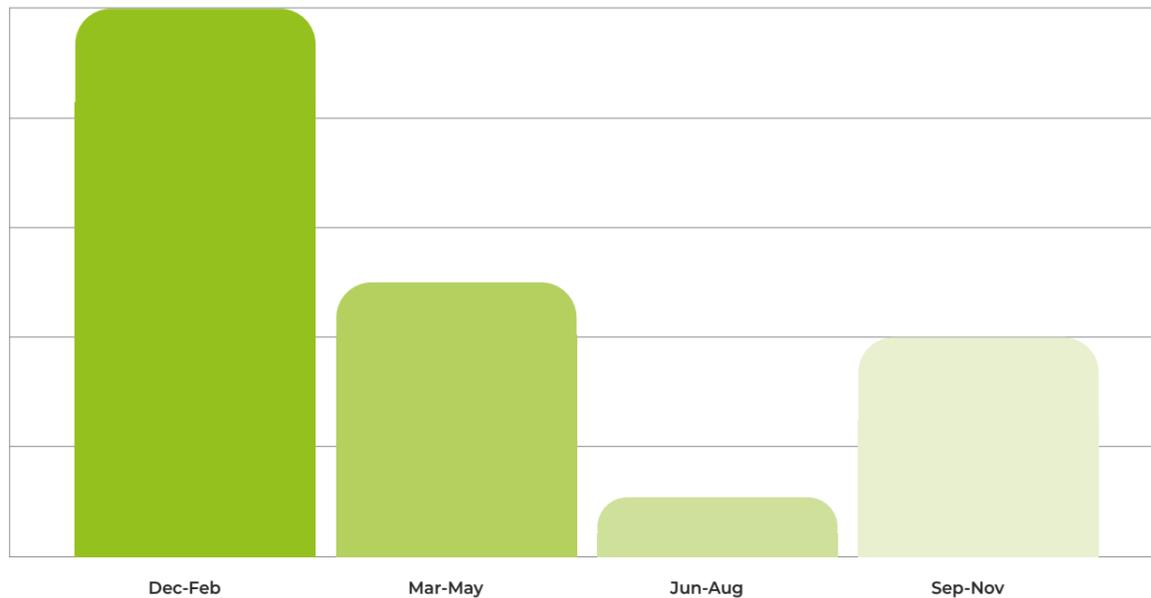
During the winter, your heat pump will be working hard to keep your home warm while also providing you with all the hot water you need.

As the summer months approach and the temperature outside increases, your heat pump will provide less heating but still give you the hot water you need during your daily routine.



Your heat pump system has been tailored to your property and the way you use energy will be different depending on your routine. This means that running costs can vary from home to home.

Percentage of energy used



Peace of mind

Setting your heating for comfort

Choosing the correct settings can ensure your heat pump system works as efficiently as possible while keeping you cozy and comfortable.

Your installer should set up your Halo Lite RF control settings for optimal efficiency that works for you and the way you use your heating.

Altering these settings could affect the performance of your heat pump.

Time and temperature control

We recommend you do not turn off your heat pump heating system completely, as it will require more energy to heat your home back to a comfortable level if you allow it to cool down too much.

To prevent this, we recommend using the scheduling settings in your Halo Lite RF. Rather than having your heating set to off when you don't need it, we would recommend setting a temperature of 3°C or 4°C lower than your usual room temperature, 21°C and 18°C for example.

You can tailor these to your routine using the scheduling settings in your Halo Lite RF.

To ensure you are getting the most efficient performance from your heat pump, to keep your home warm and comfortable, we recommend that you don't allow your heating to drop more than 3 or 4°C.

For example, if you usually set your thermostat at 21°C when you want to be comfortable, we would recommend maintaining your house at 17°C or 18°C when you don't need your heating on.



Halo Lite RF thermostat

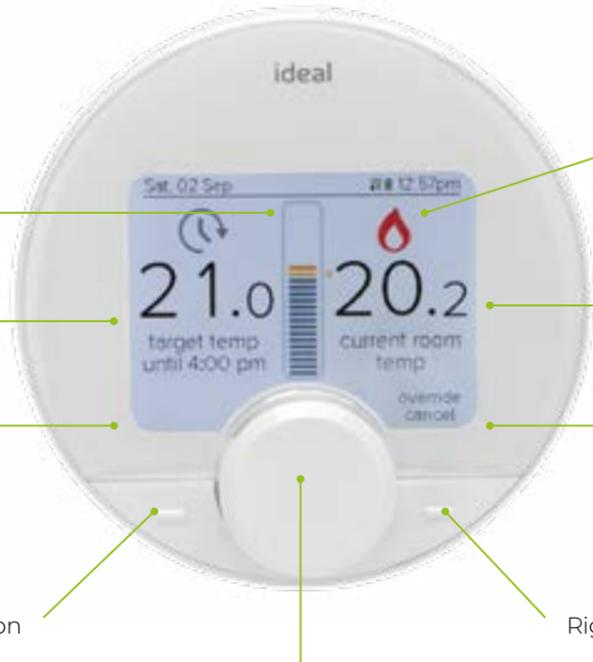
QUICK GUIDE

The temperature scale in the centre will be orange and red when the heating is on

Target temperature

Text relating to left hand button. Use this to enter the menu

Left hand button



The flame symbol is present if the heating is on

Current temperature is the current temperature in your home

Text relating to right hand button. Shows whether the Halo Lite RF is in auto, manual or off mode

Right hand button

Turn dial to adjust temperature or navigate menu. Push dial to select

MODE SELECTION

You can choose to run your Halo Lite RF in auto, manual or off mode.

Auto: runs your heating to pre-set scheduled times and temperatures.

Manual: You control the temperature by physically turning the dial.

Off: Your heating will be set to a low temperature (default 5°C) for frost protection.

Move between Auto, Manual and Off modes using the right hand side button, scroll down the menu using the dial and push to select.



Use the dial to scroll between the different modes (Auto, Manual and Off) and then push the dial or press the right hand button to confirm your selection.

Controlling

OVERRIDE OR PLUS HOURS

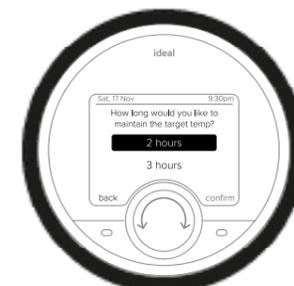
If you are running a schedule with pre-set times (Auto mode) and you want to adjust the temperature of your heating temporarily then turn the dial to the required temperature. If you want to keep the current temperature instead of moving the next scheduled setting then push the dial.

In both cases a pop up menu will appear for you to select how long you want to either change the temperature for, or maintain the temperature for. Simply turn the dial and push to make your selection.

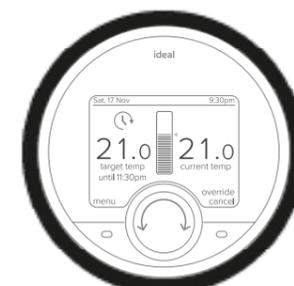
The home-screen will now display the override icon above the target temperature.



Push the dial to extend the current heating period.



Select how long you would like to override the schedule for.



Push the dial to confirm, you will now see an override symbol on the screen.

SCHEDULES

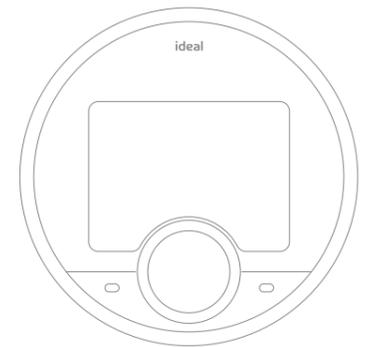
Your Halo Lite RF will come with a pre-set schedule:

6:00 – 8:00	21°C
8:00 – 16:00	OFF
16:00 – 22:00	21°C
22:00 – 6:00	OFF

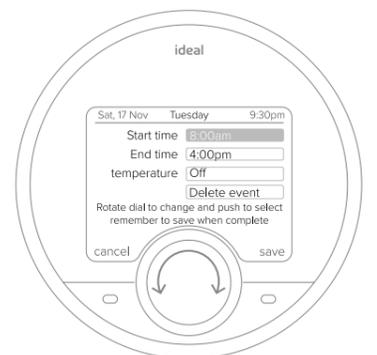
You can alter this schedule by entering the "timed heating schedule" section in the main menu.



Push the dial to edit a heating time or temperature when it is highlighted in light blue. You can also add an additional heating period by scrolling and pushing on the "Add new heating event" bar. You can have up to 6 heating events per day in your schedule.



Turn the dial to move between the different days and view the schedule that is set. To edit a day, push the dial or right hand button when the day is highlighted in light blue.



Alter the start and end times of the heating period and the temperature by scrolling and then pushing the dial to edit. Then use the dial to alter the time or temperature and push to confirm. Push the dial or the right hand button to save your changes.

Controlling your hot water

Your HP290 heat pump system has a hot water cylinder, this is to provide hot water for your home.

Your hot water cylinder will be sized to your property and storing hot water between 50-55°C will ensure you have all the hot water you need. This will be set by your installer so there is no need to worry about this.

Your heat pump will automatically maintain your hot water, but you can set this as a schedule if you prefer.

🕒 DHW daily timer				
No.	Time	Mode	Temp.	
01	01:00	ON	55°C	<input type="checkbox"/>
02	20:00	OFF	55°C	<input type="checkbox"/>
03	00:30	ON	55°C	<input checked="" type="checkbox"/>
04	00:30	ON	60°C	<input checked="" type="checkbox"/>



Customer Service:

01482 498660

Technical Help:

01482 498663

Ideal Heating, PO Box 103, National Avenue,
Kingston upon Hull, East Yorkshire, HU5 4JN

E: enquiries@idealheating.com

idealheating.com |    



The information in this brochure was correct at the time of going to print. Ideal Heating reserve the right to make any modifications to product specifications or any other details, without prior notification. For further clarification, please enquire in writing to the head office address above.