

HALO

LITE

*User guide & installation guide*

# USER GUIDE

Welcome to your new Ideal Halo Lite. This thermostat will help you to control both your heating temperature and the times that your heating is on.

You can choose to run your heating in "Auto" mode where you can set daily schedules for your heating to come on at specific times; this can be useful if you have a regular daily routine and want your heating on at the same time each day.

Alternatively, you could choose to run your heating in "Manual" mode, this means there are no schedules set and you can simply turn the temperature of your heating up and down manually using the dial.

## USING YOUR HALO LITE

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

ideal

Sat, 17 Nov

9:30pm

21.0

target temp  
until 10:00pm



19.0

current temp

auto mode

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 is in Auto, Manual or Off mode.

Right hand button

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

# MAIN FEATURES

## MODE SELECTION

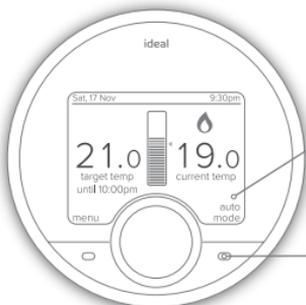
You can choose to run your Halo Lite in Auto, Manual or Off mode.

**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 5C) 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.



The current mode is displayed bottom right.

Press the right hand button to change the mode.



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.

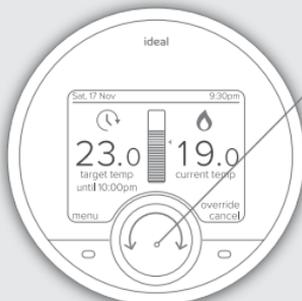
## TOP TIP

Your Halo Lite is designed to provide the perfect balance of comfort and efficiency. It has a feature called Enhanced Load Compensation which balances the temperature in your radiators to maintain the target room temperature with optimum efficiency. As a result you might notice that when the temperature in your home reaches the target your radiators are not hot to touch. By controlling the temperature in your radiators your system is working in the most efficient way for you.

## OVERRIDE

If you are running a schedule with pre-set times (Auto mode) and you want to adjust the temperature of your heating temporarily, simply turn the dial to your desired temperature.

A pop up menu will appear for you to select how long you would like to change the temperature for, turn and push the dial to make your selection.



Turn the dial to adjust the target temperature temporarily (this could be up or down).



Turn the dial to select how long you would like the target temperature altered for. You can select either until the next change in heating temperature is scheduled or a number of hours.



Push the dial or press the right button to confirm your selection.

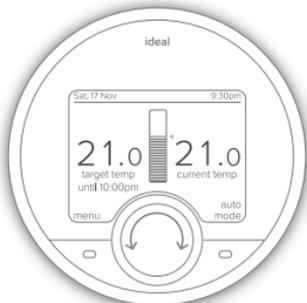
## TOP TIP

You could use this feature if you want to boost your heating to a higher temperature for a period of time. Maybe you're feeling chilly or it's the weekend and you're staying up later than when your heating is scheduled.

## PLUS HOURS

If you are running a schedule with pre-set times (Auto mode) and you want to maintain the current temperature of your heating instead of moving to the next setting simply press the dial.

A pop up menu will appear for you to select how long you would like to extend the temperature for, turn and push the dial to make your selection.



Push the dial to extend the current heating setting.

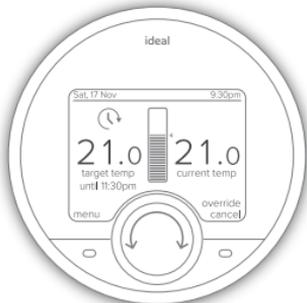


Turn the dial to select how long you would like to extend your heating for. Push the dial or press the right button to confirm your selection.

## TOP TIP

You could use this feature if you want to keep your heating on for longer than is scheduled.

Maybe you're not going to work today and you want your heating to stay on all morning.



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

## SCHEDULES

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

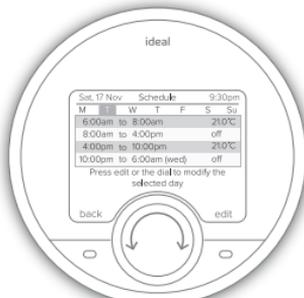
6:00 – 8:00 21°C

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.



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.

### TOP TIP

If you want to change more than one day you can use the copy day feature to copy the schedule from one to day to other days.

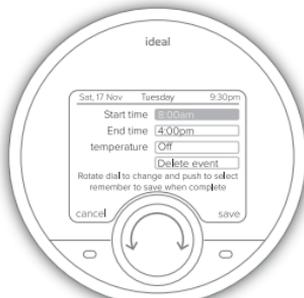


Push the dial to edit a heating time or temperature when it is highlighted in light blue. You can also add an additional heating period by scrolling and pushing on the “Add new heating event” bar. You can have up to 6 heating events per day in your schedule.

### TOP TIP

Schedules help to balance comfort and energy efficiency, so you are heating your home to suit your lifestyle.

Don't forget you could set your weekend schedules differently to during the week if your routine changes.



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.

## ADDITIONAL FEATURES

<b>Holiday Mode</b>	To temporarily turn your heating off whilst you are on holiday, select the holiday function in the menu and use the dial and buttons to set the number of days.
<b>Support Page</b>	Provides information for your installer or technical expert about your Halo Lite such as software version.
<b>Child Lock</b>	To lock the control to avoid it being altered press and hold the left & right hand buttons at the same time until the icon appears. To remove child lock press and hold the left & right hand buttons again.
<b>Date &amp; Time</b>	If the date and time seen across the top of the screen is incorrect you can alter this in the Date and Time section of the menu.
<b>Advanced Settings</b>	The Advanced Settings section of the menu allows your installer or a technical expert to make adjustments and find information about your Halo Lite.
<b>Fault Notification</b>	If there is a fault then the fault symbol ⓘ will show on the home screen of your Halo PRT. Press the left hand button to access further information about the fault.

	Name	Explanation
	<b>Flame</b>	Indicates your heating is on
	<b>Fault</b>	Indicates there is a fault with the boiler
	<b>Child lock</b>	Childlock is set so the PRT cannot be altered
	<b>Override</b>	Override or plus hours function is active
	<b>Optimised start</b>	Optimised start is active
	<b>Delayed start</b>	Delayed start is active
	<b>Optimised stop</b>	Optimised stop is active
	<b>Frost protection</b>	Frost protection is active

	Name	Explanation
	<b>Service due</b>	Service due in: - 60 days (grey) - 30 days (amber) - 0 days (red)
	<b>Hi</b>	Room temperature is above 40°C
	<b>Lo</b>	Room temperature is below 0°C
	<b>Target Temp</b>	Temperature you want your heating to reach
	<b>Current Temp</b>	Room temperature in the location of your Halo PRT
	<b>Time</b>	Current time
	<b>Date</b>	Current date



## HALO LITE OPENTHERM™ WIRED COMBI

Product Code: 221528

OpenTherm (OT) wired single zone combi Programmable Room Thermostat (PRT) ERP Class V Boiler+ Compliant.

Compatible with: Logic Combi C, iMini, Logic Combi C IE, Logic Combi ESP1, Logic Code Combi ESP1, Logic+ Combi C, Logic Max Combi C, Vogue Gen2 Combi, Vogue Max Combi.

## SAFETY INFORMATION

The Ideal Halo Lite must be installed by a competent person with the appropriate safety qualifications. Please read the instructions carefully. Failure to follow these instructions can damage the product or cause a hazardous condition.

These instructions are applicable to the IDEAL boiler models stated, and must not be used with any other make or model of boiler. This product must be installed to all applicable standards.



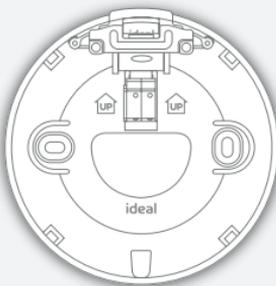
Always isolate the mains supply before installing or working on any components that require a 230V ac supply.

The Ideal Halo Lite utilises OpenTherm to power the PRT and provide communication between the PRT and the boiler. **This is a low voltage connection should not be connected to a 230V ac supply.** If utilising existing wiring please ensure that the wiring is not connected to a 230V supply.

## A. KIT CONTENTS



1. Halo Lite OpenTherm Wired Combi PRT display unit



2. PRT rear housing



3. Trim plate



4. Installation and User Guide



5. SAP registration label



6. Screws & Rawlplugs™

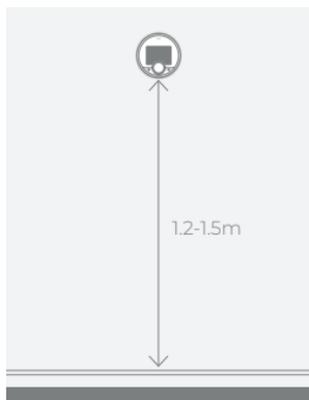
## WIRING GUIDELINES

The Ideal Halo Lite PRT OT Combi should only be wired into the OpenTherm low voltage connection and **should not be connected to a 230V ac supply**. If utilising existing wiring please ensure that the wiring is not connected to a 230v supply.

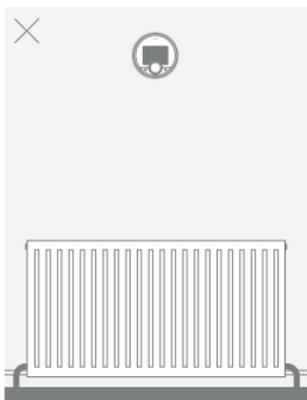
### Cable details:

- Length thermostat to boiler is 50 meters maximum
- Core diameter - 0.5 – 1.0 mm diameter should be used, multi strand should be tinned
- Should not be adjacent to any 230V cabling

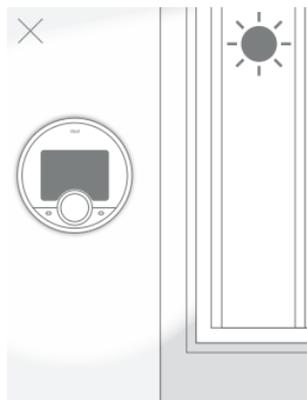
## B. LOCATION GUIDELINES



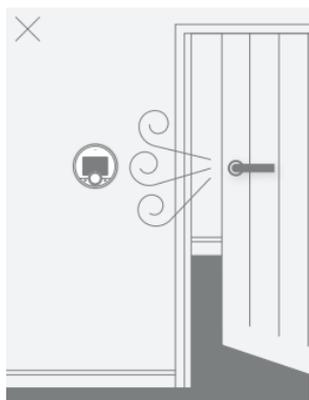
1: Mounted 1.2-1.5m above the floor.



2: Not above radiator/heat source.



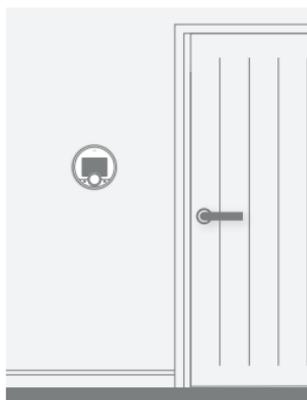
3: Not in direct sunlight.



4: Away from any draughts.

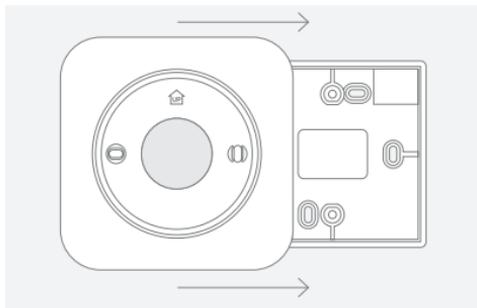


5: Not fitted behind curtains.



6: Internal use only.

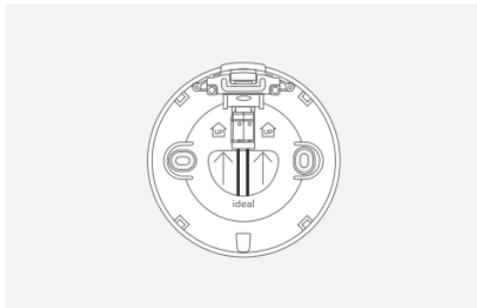
## C. INSTALLING THE HALO LITE PRT



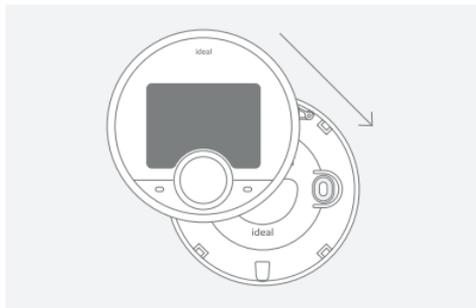
1. The Halo Lite PRT can be installed with or without the provided trim plate. Trim plate is required when the unit is fitted to an electrical box.



2. If no trim plate is required use the rear housing of the PRT to position the unit on the wall, alternatively secure rear housing to trim plate. Take care not to overtighten the screws.



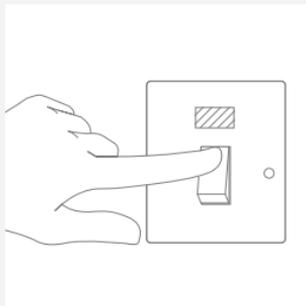
3. Wire into the terminals in the Halo Lite rear housing. Ensure the wires are secure.



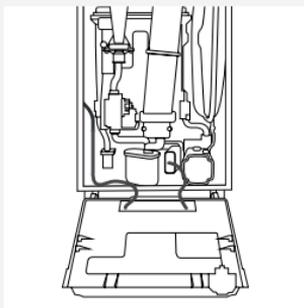
4. Check the wiring is secure and locate the front housing (display) in position perpendicular to the rear housing and clip into place. Tighten screw at base.

## D. BOILER WIRING

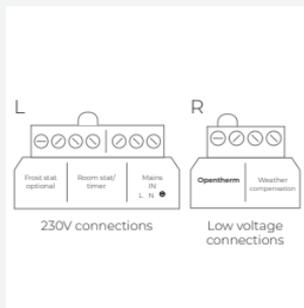
\*Refer to boiler installation manual for additional guidance if required.



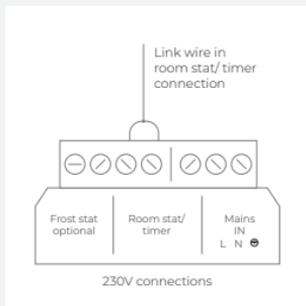
1. Isolate mains supply to boiler.



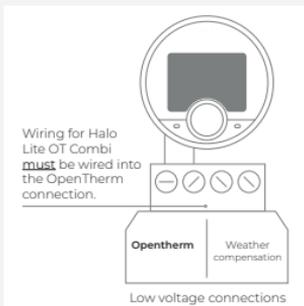
2. Remove boiler front panel and swing the control box into the servicing position.\*



3. Locate the wiring terminals (230V connections are on the left and low voltage on the right).



4. If existing 230V device is already installed remove wiring from the 230V connections and add the link wire into the room stat/timer connection (see diagram). On brand new boilers the link will already be in this position.



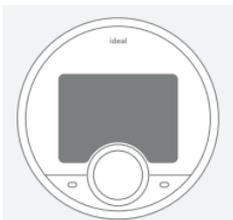
5. Take the cable that is wired into the Halo Lite and connect into the OpenTherm connections in the ensuring it is run through the strain relief (in new boilers remove the link positioned here before wiring). **Do not connect to the 230V ac connections.**



6. Check all wiring then re-assemble the control box and boiler front panel (refer to boiler manual).

Note. Halo Lite is compatible with weather compensation if required.

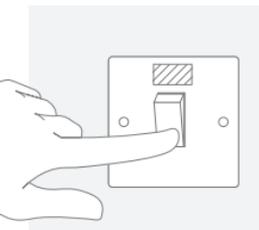
## E. COMMISSIONING THE HALO LITE



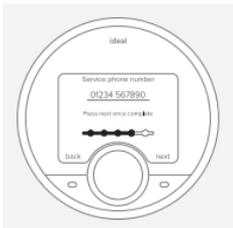
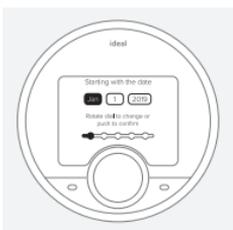
1. Check Halo Lite is mounted and aligned correctly.

2. Check wiring to boiler is correct and wired into the OpenTherm connection.

3. Switch power on to boiler – the Halo Lite PRT should power up automatically.



4. The device will prompt set up of the time and date using an easy step by step process.



# COMPLETION CHECKLIST FOR INSTALLATION

Description		Confirmed
Set mode to AUTO, Increase temperature on thermostat to 30 °C	Flame ON	
	Boiler ON	
With mode in auto decrease temperature on thermostat to 5 °C	Flame OFF	
	Boiler OFF	
Time and date correct		
Installer contact details entered if required		
Suitable schedule has been entered for the user		
General overview of operation provided to user - refer to user guide section		
Any advanced settings changes have been recorded		
Remember to leave this guide with the householder		

Installer phone number:

Hereby, Ideal Boilers Ltd declares that this device is in compliance with:

EMC directive: 2014/30/EU

Standards: EN 60730-1: 2016; EN 60730-2-9:2010



The full text of the EU declaration of conformity is available at the following internet address:  
[idealheating.com](http://idealheating.com)

For more information and FAQs visit the Ideal Heating website [idealheating.com](http://idealheating.com)

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