www.idealboilers.com

HALO

LITE

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.
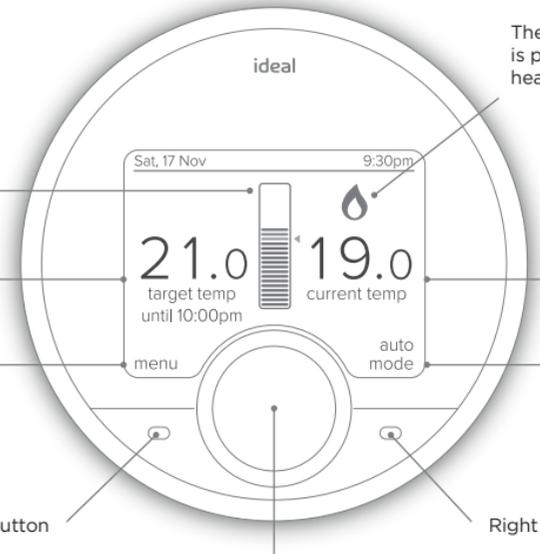
The flame symbol is present if the heating is on.

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.

Left hand button

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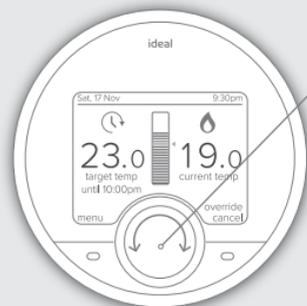
Turn the dial to adjust the target temperature temporarily (this could be up or down)

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.
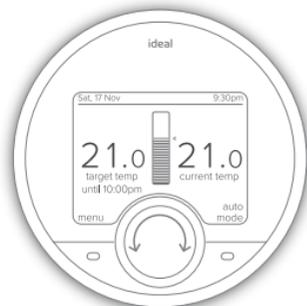
Push the dial to extend the current heating setting

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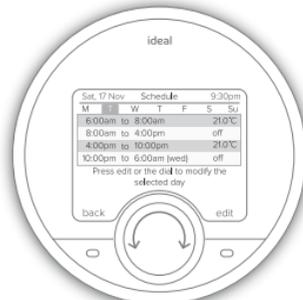
Turn the dial to move between the different days and view the schedule that is set. To edit a day, push the dial or right hand button when the day is highlighted in light blue.

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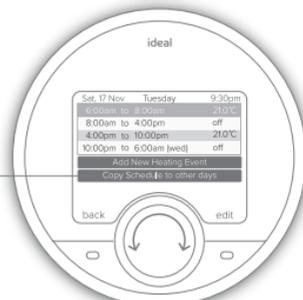
Push the dial to edit a heating time or temperature when it is highlighted in light blue. You can also add an additional heating period by scrolling and pushing on the "Add new heating event" bar. You can have up to 6 heating events per day in your schedule.

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

Holiday Mode	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.
Support Page	Provides information for your installer or technical expert about your Halo Lite such as as software version.
Child Lock	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.
Date & Time	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.
Advanced Settings	The Advanced Settings section of the menu allows your installer or a technical expert to make adjustments and find information about your Halo Lite.
Fault Notification	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
🜂	Flame	Indicates your heating is on
ⓘ	Fault	Indicates there is a fault with the boiler
🔒	Child lock	Childlock is set so the PRT cannot be altered
↻	Override	Override or plus hours function is active
OP	Optimised start	Optimised start is active
DS	Delayed start	Delayed start is active
OP	Optimised stop	Optimised stop is active
❄	Frost protection	Frost protection is active

	Name	Explanation
🔧	Service due	Service due in: - 60 days (grey) - 30 days (amber) - 0 days (red)
Hi	Hi	Room temperature is above 40°C
Lo	Lo	Room temperature is below 0°C
30.0	Target Temp	Temperature you want your heating to reach
23.2	Current Temp	Room temperature in the location of your Halo PRT
22:33	Time	Current time
Sat, 17 Nov	Date	Current date

WARRANTY

Your Ideal Halo Lite comes complete with a 2 year Ideal Guarantee, subject to the following terms and conditions.

During the period of the guarantee we will replace free of charge, where it suffers a mechanical or an electrical breakdown as a result of defective workmanship or materials, subject to the following conditions and exclusions;

1. The guarantee will commence from the date of installation. Without proof of purchase the guarantee will commence from the date of manufacture (via serial number).

2. The Installation needs to be registered within 30 days of installation, it can be registered online by visiting www.idealboilers.com.

3. If the control suffers a mechanical or an electrical breakdown we should be contacted on one of the following numbers:

Northern Ireland:
T: 02890 331444

Elsewhere in the UK:
T: 01482 498660

Our normal working times, excluding Bank Holidays, are:

8am – 6pm Monday to Friday

8am – 4pm Saturday

8am – 12 noon Sunday

4. The guarantee does not apply:

a. To any defect, damage or breakdown caused by deliberate action, accident, misuse or third party interference including modification or failed batteries.

b. To any defect, damage or breakdown caused by the design, installation and maintenance of the central heating system.

d. To any other costs or expenses caused by or arising as a result of the breakdown of the controls.

e. To any defect resulting from the incorrect installation of the controls. To any costs incurred during delays in fixing reported faults.

Our Ideal Guarantee is offered in addition to the rights provided to a consumer by law. Details of these rights can be obtained from a Trading Standards Authority or a Citizens Advice Bureau.

Guarantor
Ideal Boilers Ltd, P.O. Box 103, National Avenue, Hull, HU5 4JN.

Consumer Helpline
T: 01482 498660

HALO

LITE

www.idealboilers.com

User guide & installation guide

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, 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
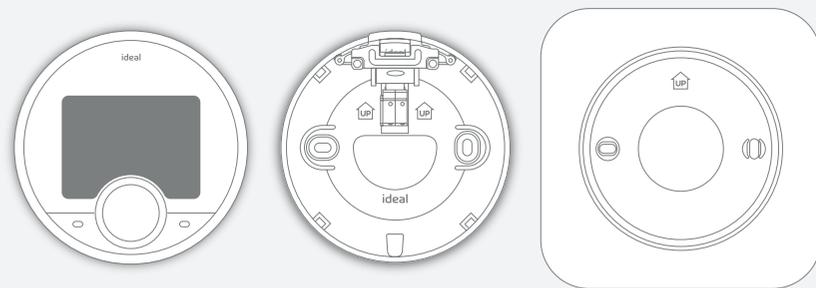
1. Halo Lite OpenTherm Wired Combi PRT display unit
2. PRT rear housing
3. Trim plate
4. Installation and User Guide
5. SAP registration label
6. Screws & Rawlplugs™

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
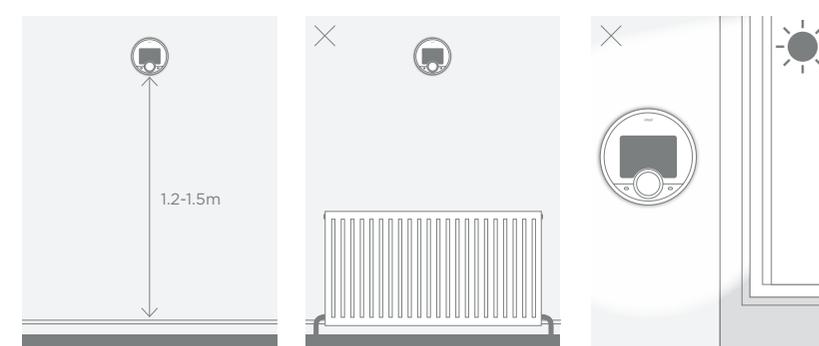
1: Mounted 1.2-1.5m above the floor
2: Not above radiator/heat source
3: Not in direct sunlight
4: Away from any drafts.
5: Not fitted behind curtains
6: Internal use only

ADVANCED SETTINGS

Advanced settings should only adjusted by a competent person, the wrong configuration can have a detrimental effect on the thermostat and the heating system.

Description	Factory setting	New setting
Optimised start Boiler starts heating in advance of schedule so heating reaches the required temperature at the time specified	OFF	
Optimised stop Boiler stops heating in advance of schedule so heating reaches the required temperature at the time specified	OFF	
Delayed Start If the room temperature is close to target temperature the heating start time is delayed to save energy	OFF	
Display Tolerance Select the display tolerance of the room temperature. Can be set at increments of 0.5 or 0.1ºC	0.1ºC	
Temperature offset Fine tune the room temperature display -2.5 to 2.5ºC	0	
Daylight saving time Automatically move to daylight saving	ON	
Frost protection The temperature that will used when to protect your home when the thermostat is off . Can be set 5 to 17ºC	5ºC	
Service phone number Opportunity to input Installer contact number for service reminders	Ideal Boilers number	

C. INSTALLING THE HALO LITE PRT

Integral spirit level positioned towards the top of the unit.
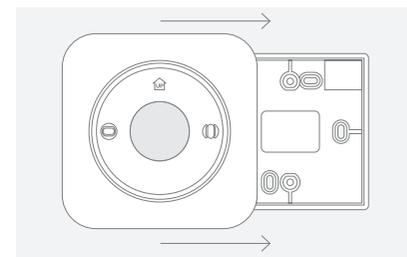
1. The Halo Lite PRT can be installed with or without the provided trim plate. Trim plate is required when the unit is fitted to an electrical box.
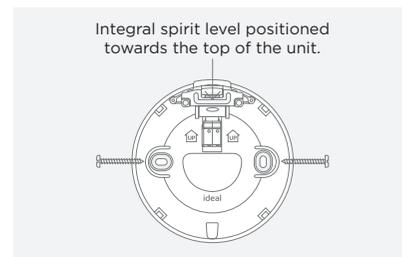
2. If no trim plate is required use the rear housing of the PRT to position the unit on the wall, alternatively secure rear housing to trim plate. Take care not to overtighten the screws.
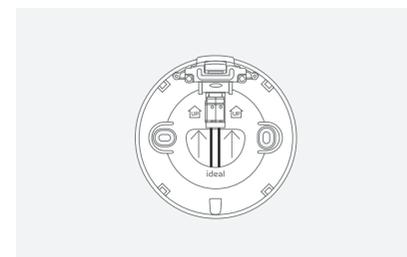
3. Wire into the terminals in the Halo Lite rear housing. Ensure the wires are secure.
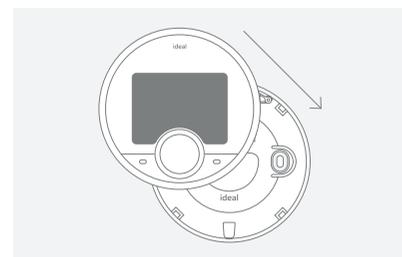
4. Check the wiring is secure and locate the front housing (display) in position perpendicular to the rear housing and clip into place. Tighten screw at base.

D. BOILER WIRING   *Refer to boiler installation manual for additional guidance if required.

L   R

Front stat optional | Room stat/ timer | Mains L N | Opentherm | Weather compensation

230V connections   Low voltage connections
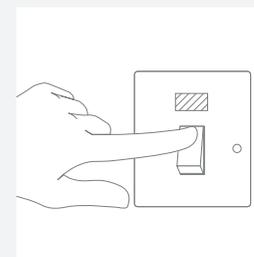
1. Isolate mains supply to boiler
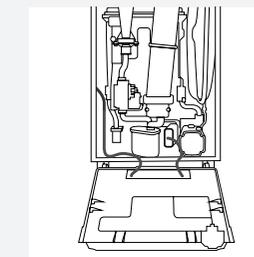
2. Remove boiler front panel and swing the control box into the servicing position.*
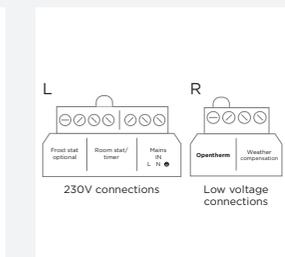
3. Locate the wiring terminals (230V connections are on the left and low voltage on the right).

Link wire in room stat/ timer connection

Frost stat optional | Room stat/ timer | Mains IN L N

230V connections

Wiring for Halo Lite OT Combi **must** be wired into the OpenTherm connection.

Opentherm | Weather compensation

Low voltage connections
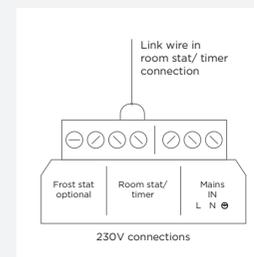
4. If existing 230V device is already installed remove wiring from the 230V connections and add the link wire into the room stat/timer connection (see diagram). On brand new boilers the link will already be in this position.
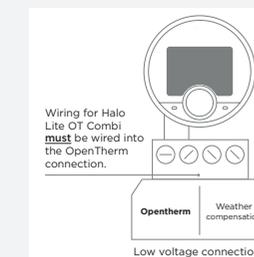
5. Take the cable that is wired into the Halo Lite and connect into the OpenTherm connections in the ensuring it is run through the strain relief (in new boilers remove the link positioned here before wiring). **Do not connect to the 230V ac connections.**
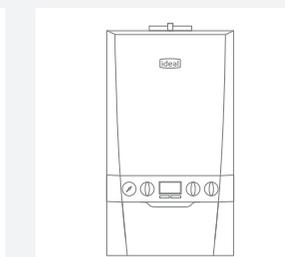
6. Check all wiring then re-assemble the control box and boiler front panel (refer to boiler manual).

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

E. COMMISSIONING THE HALO LITE
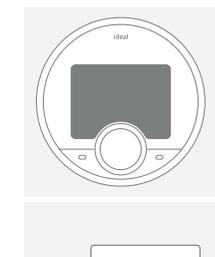
1. Check Halo Lite is mounted and aligned correctly

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.

5. There is the opportunity to add an installer contact phone number into the device at this stage, if not changed this will default to the Ideal Boilers Customer Service number.

F. HALO LITE FEATURES AND CONFIGURATION

To enter the settings menu press the menu button

Menu options	Action
Holiday	Holiday mode allows the device to be switched off for a pre-defined period of time then automatically returns to the pre-programmed heating schedule.
Timed Heating Schedule	Set a heating schedule with up to 6 periods per day
Support	Includes information such as software version and key contact numbers.
Fault Page	Shows the latest fault code and fault description.
Time & Date	Time and date are set on power up and can be adjusted via the menu
Advanced settings	Advanced features of the device setup should be set by a competent person.
Landlord settings	Specific settings for landlords.

COMPLETION CHECKLIST FOR INSTALLATION

Description		Confirmed
Set mode to AUTO, Increase temperature on thermostat to 30 ºC	Flame ON	
	Boiler ON	
With mode in auto decrease temperature on thermostat to 5 ºC	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: www.idealboilers.com

For more information and FAQs visit the Ideal Boilers website www.idealboilers.com

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