

Installation guide

Wireless room thermostat
with hot water control
(DHW & single zone CH)

Logic Heat H / Logic Max Heat H / Logic System S /
Logic Max System S / Vogue System / Vogue Max System





Introduction

Welcome to the Ideal Touch heat and system guide. This guide is designed to lead you through the installation and setup of the Ideal Touch. It is advisable to read through all steps before starting the installation.

A user guide and FAQs can be found at www.idealboilers.com.

The Ideal Touch Heat and System thermostat must be installed by a Gas Safe Registered Engineer. Read the instructions carefully. Failure to follow these instructions can damage the product or cause a hazardous condition.

ErP

Class V as standard. Class VI with an outside sensor.

Contribution to seasonal space heating energy efficiency:

3% (Class V)

4% (Class VI)

Ideal Touch kit contents

- Touch thermostat
- Mounting bracket cover
- Mounting bracket
- Desktop stand
- Ideal relay transceiver
- Batteries (AA)
- Screws and plugs
- Instructions
- SAP registration label

Ideal relay transceiver

The Ideal relay transceiver provides communication between the boiler, thermostat and zone valves.

The boiler connects to the relay transceiver via an opentherm wire.

The thermostat connects to the relay transceiver via a wireless RF connection.

The relay transceiver should be located near the existing wiring centre.

NOTE: All electrical installation work should be carried out by a suitably qualified electrician or other competent person.



Disconnect electricity supply to the appliance and heating system before installing the transceiver. Merely switching the boiler to OFF will still leave a live feed to the boiler.

Notes on opentherm wiring

The opentherm wire must be connected from the relay transceiver to the boiler.

A separation of 10mm must be achieved between the opentherm wiring and 230V wiring.

Use 0.5mmsq heat resistant flex.

For routing of cable outside it is dependent upon the application, however cables can be run externally inside trunking.

Do not run this cable adjacent to mains voltage supply cables.



Installation of Ideal relay transceiver

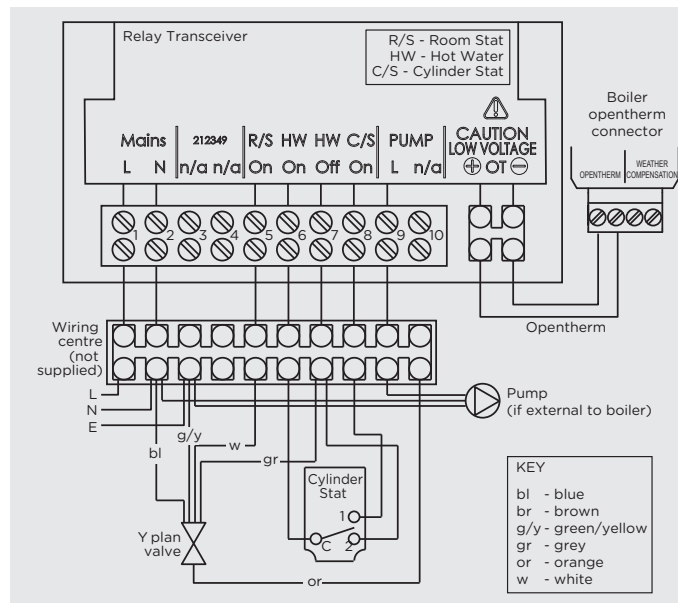
1. Isolate power to boiler and heating system.
2. Remove the cover of the relay transceiver and screw the base to the wall, directly above the existing system wiring if possible.
3. Disconnect and dispose of the wiring to the existing two channel timer and room thermostat.

4. Make connections as in the diagrams below (except the opentherm wiring - see next steps overleaf). Secure the wires in place using the cable clamps provided.

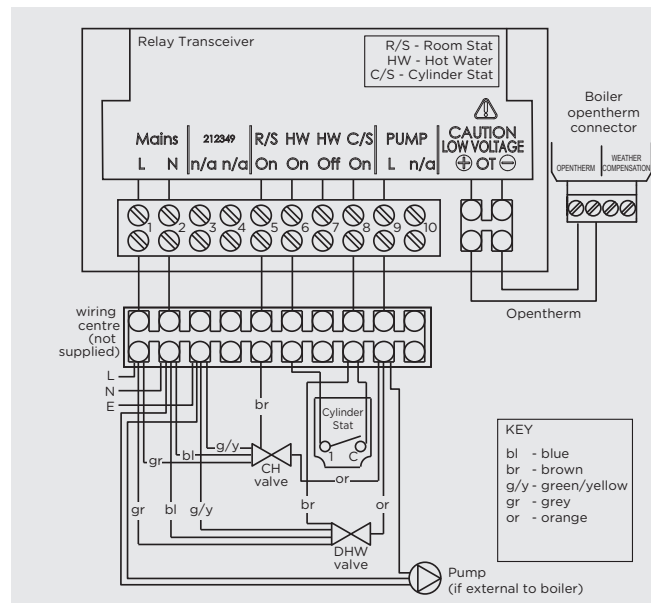
If a frost thermostat is connected it should be from live to connection 8 (C/S On)

5. Power to the boiler and heating system should remain isolated.

Ideal relay transceiver wiring (Y plan diagram)



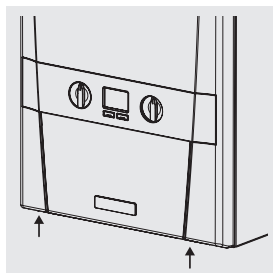
Ideal relay transceiver wiring (S plan diagram)



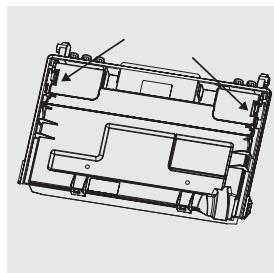
*Where the Ideal Touch kit is being fitted to an existing installation (S or Y plan), the wire connecting any SL IN on the boiler requires disconnecting and making safe. A link wire

should then be connected into the SL1 L-IN connection at the boiler[†]. For further details refer to the boiler installation and servicing instructions.
[†]Logic Heat H, Logic System S, Vogue Gen2 System

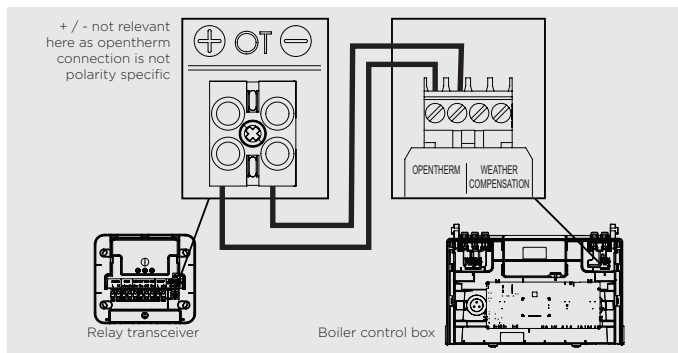
Boiler opentherm wiring - Logic



- 1 Remove boiler front panel by removing two screws.

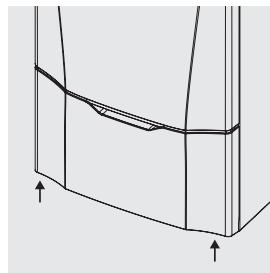


- 2 Hinge down the control panel.
Release the edge clips to hinge open the cover.

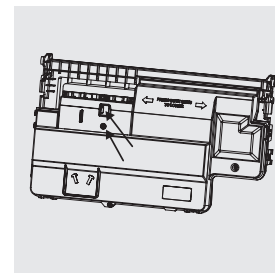


- 3 Connect two wires from the boiler opentherm terminal strip to the opentherm connections in the relay transceiver.
Maintain 10mm separation between the mains cable and the opentherm cables.
Replace the PCB cover and boiler front panel.
Replace transceiver cover.
Do not switch power on.

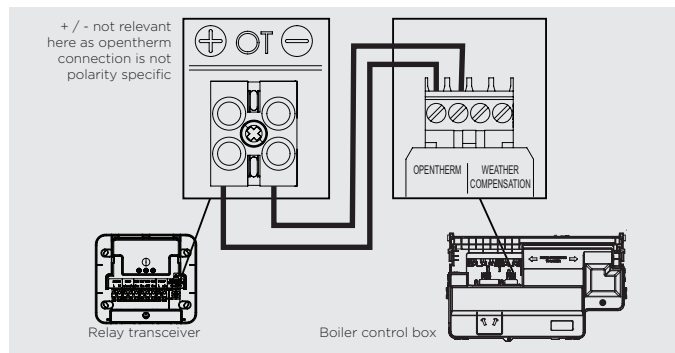
Boiler opentherm wiring - Vogue



- 1 Loosen the two screws on the front panel and release catches at rear. Remove the front panel



- 2 Hinge down the control panel.
Remove screw and release the clip.



- 3 Connect two wires from the boiler opentherm terminal strip to the opentherm connections in the relay transceiver.
Maintain 10mm separation between the mains cable and the opentherm cables.
Replace the PCB cover and boiler front panel.
Replace transceiver cover.
Do not switch power on.

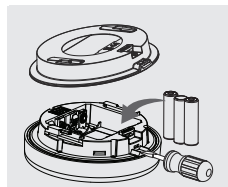
Thermostat location guidelines

In-between the Ideal relay transceiver and the Touch thermostat there must be:

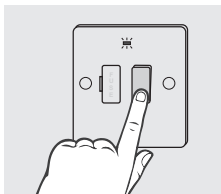
- Less than 20 metres
- No more than a total of 3 walls and ceilings
- No large metallic objects (e.g. American fridge/freezer)
- No large mirrors or windows
- No walls running along the RF path

The Touch thermostat must not be within 1 metre of a wifi booster / router and should not be placed near draughts, in direct sunlight or near heat sources.

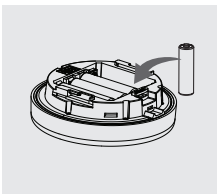
Thermostat installation



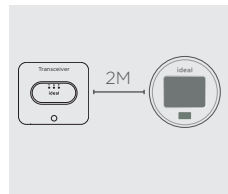
- 1 Using a flat bladed screwdriver remove the back cover from the Touch thermostat and insert only 3 batteries.



- 2 Turn electrical power back on to the boiler and heating system.

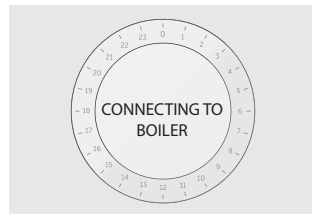


- 3 Immediately insert the fourth battery into the thermostat.

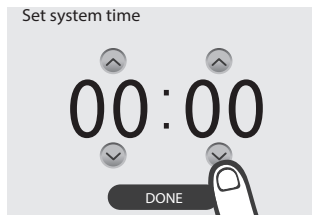


- 4 Hold the thermostat approx 2 metres away from the relay transceiver.

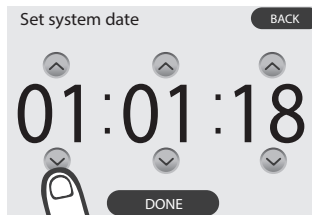
Installation



- 5 Wait for the screen shown on the left to be displayed. (In the unlikely event that this screen is not shown within 20 seconds, electrically isolate the boiler and heating system, remove one battery and repeat from step 2.)



- 6 When successfully connected the screen shown on the left will be displayed. Set the 24hr clock, then select "DONE".



- 7 Set the date, then select "DONE". If the screen goes blank before set up is complete, tap the screen and select MENU to access Help & Settings to set time and date.



- 8 When set up is complete the screen will go blank.

To attach the thermostat to the wall bracket or desktop stand locate the thermostat into the 3 lugs and slide downwards until it clicks.

Ideal relay transceiver

Below are the descriptions of each light on the front of the Ideal relay transceiver. When illuminated green;

1 RF connection

The relay transceiver is connected to thermostat.

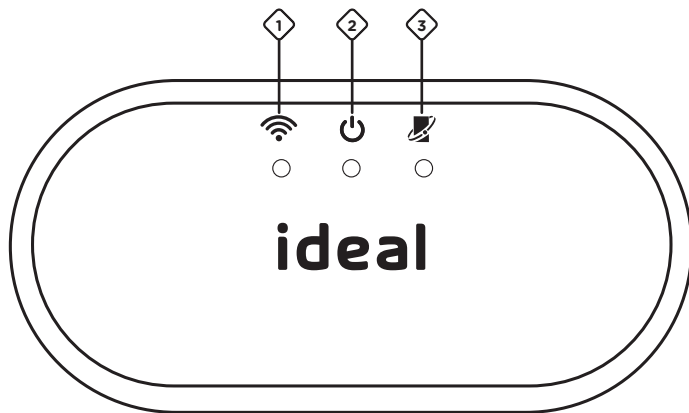
2 Power

Power is being supplied to the relay transceiver.

3 Opentherm connection

Opentherm connection to the boiler is working correctly.

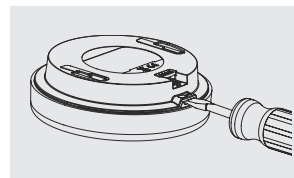
Note. normal operation is indicated by all three green lights being illuminated.



Battery replacement

Batteries should operate for approximately 18 to 24 months. Only good quality alkaline batteries are to be used.

If the batteries run out then central heating and hot water will continue to operate during the set time periods but room temperature control will become less accurate.

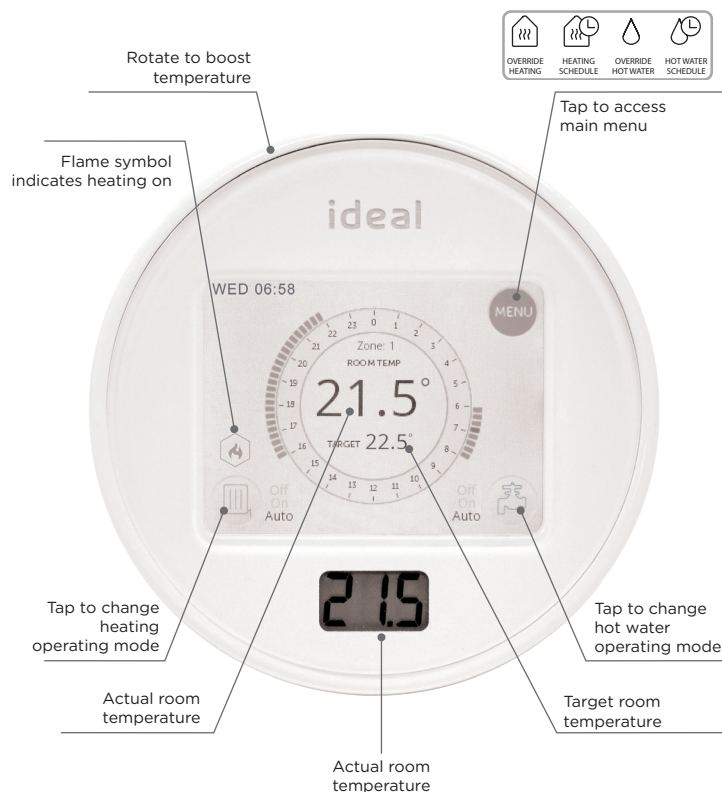


1 Un-clip the thermostat from its cradle by sliding the Touch thermostat upwards.

2 Using a flat bladed screwdriver, remove the rear cover.








3 Replace batteries and refit battery cover.

Using the Ideal Touch thermostat



Troubleshooting

FAULT	ACTION
Central Heating will not switch ON	Check that central heating is set to be ON or is in a programmed on period or the override is On
	Check that the target room temperature is set to be higher than the actual room temperature
	Check that the power to the boiler is switched on.
	For Logic boilers ensure that the mode knob is on.
	For Vogue system boilers ensure that the and knobs are not rotated fully anti-clockwise.
	Check that the light on the relay transceiver is on, if not check there is mains supply to the relay transceiver.
	If is shown on the room thermostat, and when the screen is pressed the message zone 1 fault is shown then either the room thermostat is too far away from the relay transceiver or there is unsuitable material in between the relay transceiver and the room thermostat. Refer to location guidelines on page 8.
Central Heating will not switch OFF	Change the batteries in the room thermostat.
	If the relay transceiver light is off then check if the wires from the relay transceiver to the boiler and then onto the boiler PCB are securely connected.
	Check that there is 230V to the zone valve (from relay transceiver R/S On connection).
	If no response, to previous actions, isolate power to boiler and heating system and return to step 1 page 8.
	Check that central heating is set to OFF or is in a programmed Off period and that the override is off.
	If is shown on the room thermostat, and when the screen is pressed the message zone 1 fault is shown then either the Room Thermostat is too far away from the relay transceiver or there is unsuitable material in between the relay transceiver and the room thermostat. Refer to location guidelines on page 8.
	Change batteries in the thermostat if no display. Change batteries if low battery text displayed.
	If no response, to previous actions, isolate power to boiler and heating system and return to step 1 page 8.

FAULT	ACTION
Hot Water will not switch ON	Check that hot water is set to be  ON or is in a programmed on period or the override  is on.
	Check that the cylinder thermostat is calling for heat (230V to C/S on connection on relay transceiver).
	Check that the power to the boiler is switched on.
	For Logic boilers ensure that the mode knob is on.
	For Vogue system boilers ensure that the  knobs are not rotated fully anti-clockwise.
	Check that the  light on the relay transceiver is on, if not then check there is mains supply to the relay transceiver.
	If the relay transceiver  light is off then check if the wires from the relay transceiver to the boiler and then onto the boiler PCB are securely connected.
	Check that there is 230V to the zone valve (from relay transceiver hot water on connection).
Hot Water will not switch OFF	If no response, to previous actions, isolate power to boiler and heating system and return to step 1 page 8.
	Check that hot water is set to  OFF or is in a programmed off period and that the Override  is off.
	If no response, to previous actions, isolate power to boiler and heating system and return to step 1 page 8.

Warranty

All Ideal Touch Controls offer customers the comfort of a 12 month Ideal warranty, subject to the following terms and conditions. During the period of the warranty 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;

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

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

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

Northern Ireland: 02890 331444
Elsewhere in the UK: 01482 498660
Our normal working times, excluding Bank holidays, are:

8am - 6pm Monday to Friday

8am - 4pm Saturday

8am - 12 noon Sunday

The warranty does not apply:

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

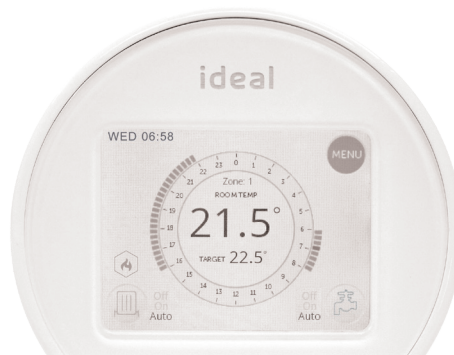
To any defect, damage or breakdown caused by the design, installation and maintenance of the central heating system.

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

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

Our Ideal Warranty 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.





Ideal Boilers Ltd

P.O. Box 103, National Avenue
Hull, HU5 4JN.

www.idealboilers.com

For further information including a User Guide and FAQs, see **www.idealboilers.com**



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SCAN HERE FOR FURTHER HELP

Consumer Helpline
T: 01482 498660

Technical Helpline
T: 01482 498663

