

User guides Croxford House / Newell House

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Open Fibre Networks

Wholesale

Fibre Integrated Reception System (FIRS)

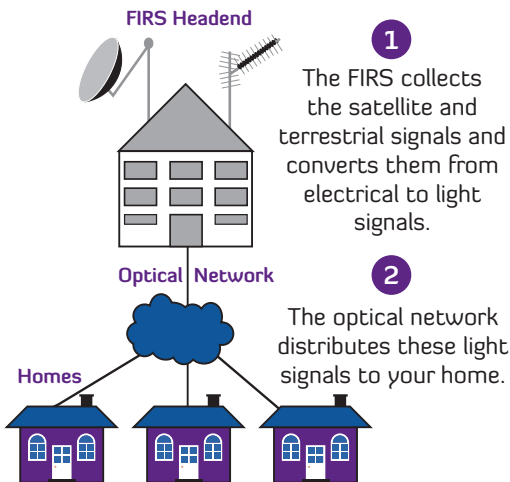
What is FIRS?

FIRS delivers entertainment services, including satellite and terrestrial TV and Digital Audio Broadcast Radio (DAB) to many homes, across the Fibre-to-the-Home network.

FIRS uses satellite dishes and aerials, mounted in a central on-development location. This negates the need for TV aerials or satellite dishes mounted onto new homes!

Freeview, Freesat and Sky are all available, so customers can swap from terrestrial to satellite TV whenever they wish.

OFNL installs FIRS onto developments, utilising their Fibre-to-the-Home network



1

The FIRS collects the satellite and terrestrial signals and converts them from electrical to light signals.

2

The optical network distributes these light signals to your home.

3

The Gateway Terminal Unit (GTU) installed in your home converts these signals back to electrical; now you are ready to watch TV!

Benefits of FIRS

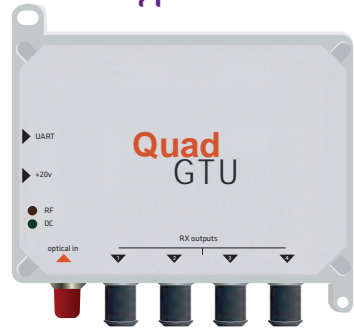
- ✓ No need for the installation of traditional terrestrial aerials for Freeview or DAB digital radio
- ✓ No unsightly aerials/dishes on the home
- ✓ No need for the installation of a satellite dish when using Freesat or subscribing to Sky services
- ✓ Lower cost than professional installation of conventional aerials
- ✓ Can carry all broadcast TV services to the home, including HD and 3D TV
- ✓ Easy to use and compatible with all standard digital televisions and Set Top Boxes
- ✓ Easy Sky or Freesat installation

GTU and how FIRS works

The Gateway Terminal Unit (GTU) which is situated within the home, will be connected via the installed cabling to media plates (aerial sockets) to enable the customer to connect satellite (Sky or Freesat) or terrestrial (Freeview) set top boxes, or directly into a digital ready TV or DAB radio.

The IRS is installed using the same fibre network that the Telecom services utilise. The developer will define where the customer can locate TVs and Radios within the home. However, it is possible to install additional aerial outlets in a similar manner as a traditional aerial installation.

A typical GTU



GTU model and colour may vary

The GTU will typically be discretely located in a cupboard or under the stairs (defined by the developer) as there is no requirement to access it every day.

Frequently asked questions

What is FIRS?

FIRS is a facility that distributes satellite, terrestrial TV and radio signals from centralised aerials and dishes to all of the houses across the development. It is distributed through Fibre Optic cables which have already been installed; giving you excellent signal quality and reliable service.

What type of equipment can connect to the FIRS?

Freeview

Connect to the TV or Digibox aerial socket

Freesat

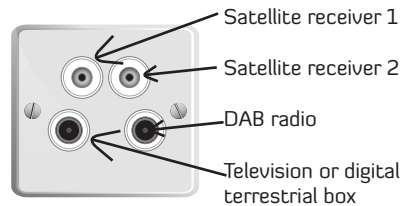
Connect to satellite receiver dish inputs 1 and 2

Sky (+, HD, 3D)

Connect to satellite receiver dish inputs 1 and 2

DAB Radio

Connect to DAB radio aerial Socket



What should I do if I have a fault?

In the first instance, you should check the GTU is powered on and there is not a fault with your equipment, e.g. your TV, Freesat or Sky Set top box.

If you have multiple TV points in your property and only one of these points is not working then there could be a fault with your internal wiring.

Before reporting faults to OFNL please check your internal wiring or use a local TV repair company for assistance. Once you have eliminated this possibility, and you are sure the fault is not with your equipment or internal wiring, please contact **OFNL Customer Services on 02921 678 550**.

Voice, Ultrafast broadband and TV networks

Choice of Service Providers on the OFNL Network for Residential Customers.

Introduction

OFNL are passionate about providing quality, value and choice to residents who live in homes connected to its high-speed Fibre-to-the-Home network.

OFNL provides an 'Open Access' network designed to make it easy for service providers to connect and offer choice to residents, however before they can offer service there is a requirement for them to connect to the OFNL fibre network, either locally at the housing development or at OFNL's national hand-off location.

Choice of Service Providers:

OFNL is in discussions with a number of UK telecom brands and actively encourages service providers to connect to the fibre network. OFNL are excited

by this interest and the benefits it will bring to residents and details will be published when new service providers become available.

OFNL enables service providers to meet government targets of offering all residents on the Open Fibre Network Super-Fast broadband. Superfast is defined as greater than 24Mbps. OFNL delivers ultrafast speeds of up to 1Gbps.

There are currently 16 service providers who can deliver residential services.

Service Providers on the OFNL Network:

Listed below are the details of the residential service providers available across the OFNL network.

Available residential service providers





1+1 ONT User Guide



Who are OFNL?

OFNL operates an 'Open Access' fibre optic network to new build residential and commercial developments across the UK.

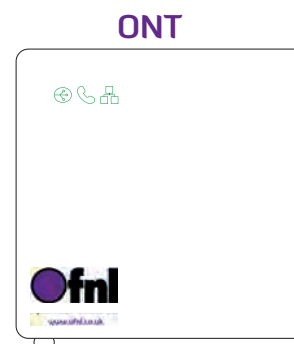
OFNL uses Fibre to the Home (FTTH) to provide voice, ultra-fast broadband and television services.

For more information or to find out which service providers operate on the OFNL network, visit www.ofnl.co.uk or call 02921 678 550.

Your fibre equipment

OFNL uses a device you may not have seen before; an Optical Network Terminal (ONT) - this is where the fibre enters your home and terminates.




The ONT can connect to your router to provide you with broadband, and your telephone for voice services.



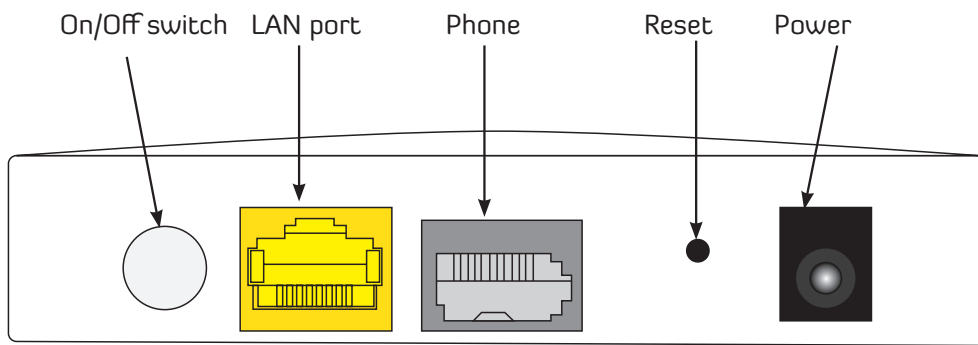
The lights on your ONT

Your ONT has several indicator lights which identify its status. These lights can be useful to help you troubleshoot any problems with your connection.

Check your ONT is plugged in correctly and the lights are on. If you are having problems, call your internet service provider.

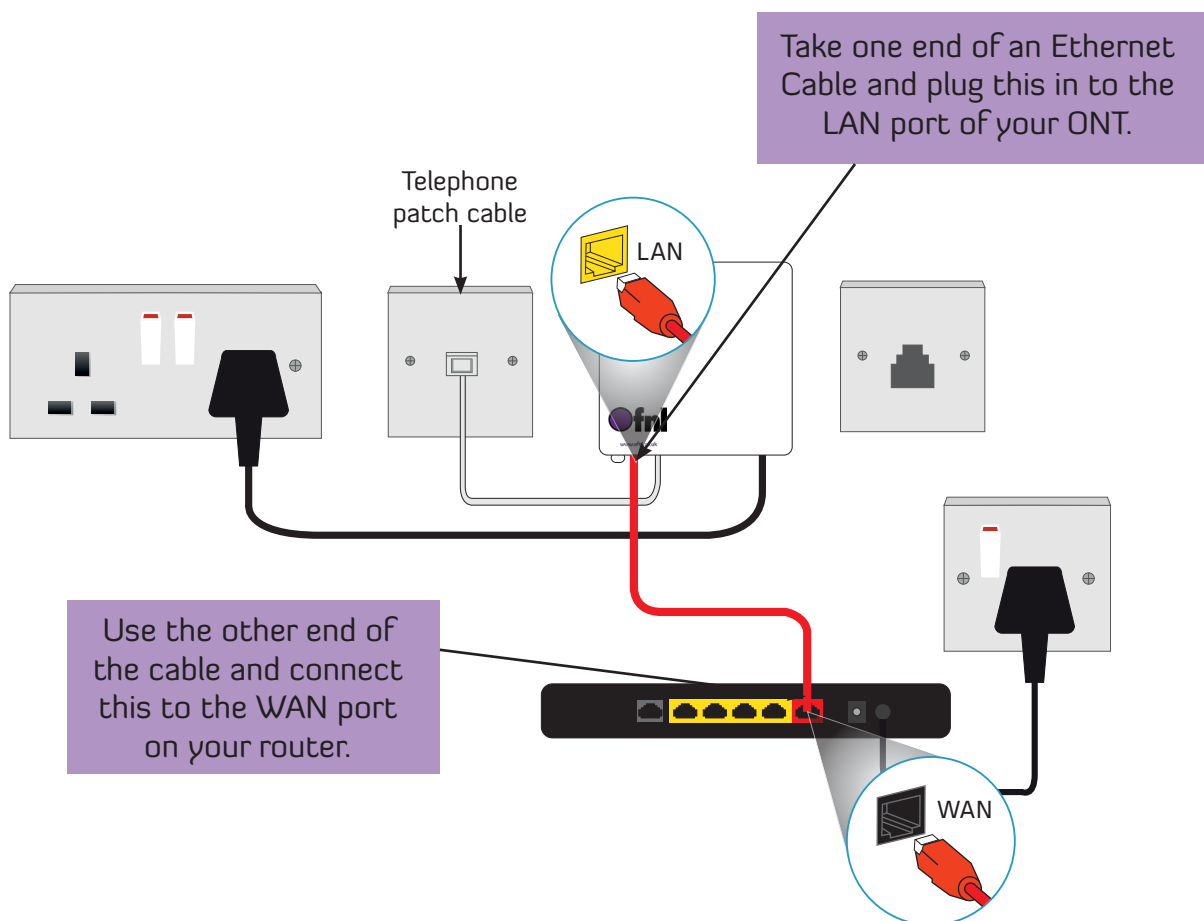
Type	Colour	State	Description
LAN 	Green	On	The LAN port is enabled and connected.
		Off	The LAN port is not connected. Check your cable between your router and the ONT.
WAN 	N/A	Off	Your ONT is not receiving a signal from the fibre network. Please contact your service provider.
	Green	Blinking	Your ONT is receiving a signal from the fibre network but there is a network problem. Please contact your service provider.
		Solid	Your ONT is working as expected and is receiving a signal from the fibre network.
Phone 	N/A	Off	Your phone line is disabled.
	Green	Blinking	Your phone line is enabled but there is a problem. Please contact your service provider.
		Solid	Your phone line is connected and working.
Device	Green	Blinking	Your ONT is powering on.

The ports on your ONT



Connecting your ONT to your router*

Connect directly to your ONT



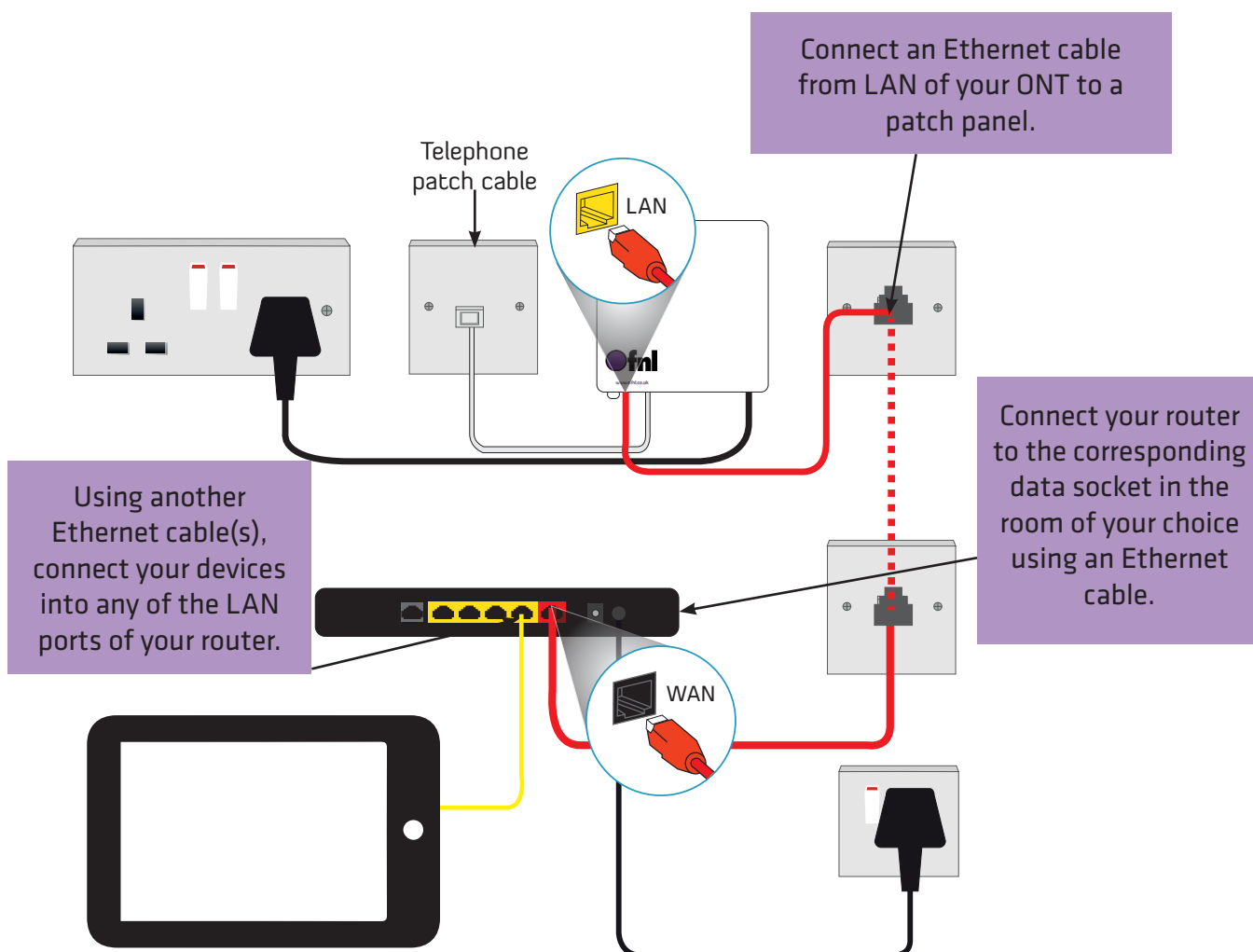
To connect your router to your internet enabled devices using a wired connection;

- Using another Ethernet cable, plug one end into any of the LAN ports on your router.
- Take the other end of the cable and plug this directly into your device.

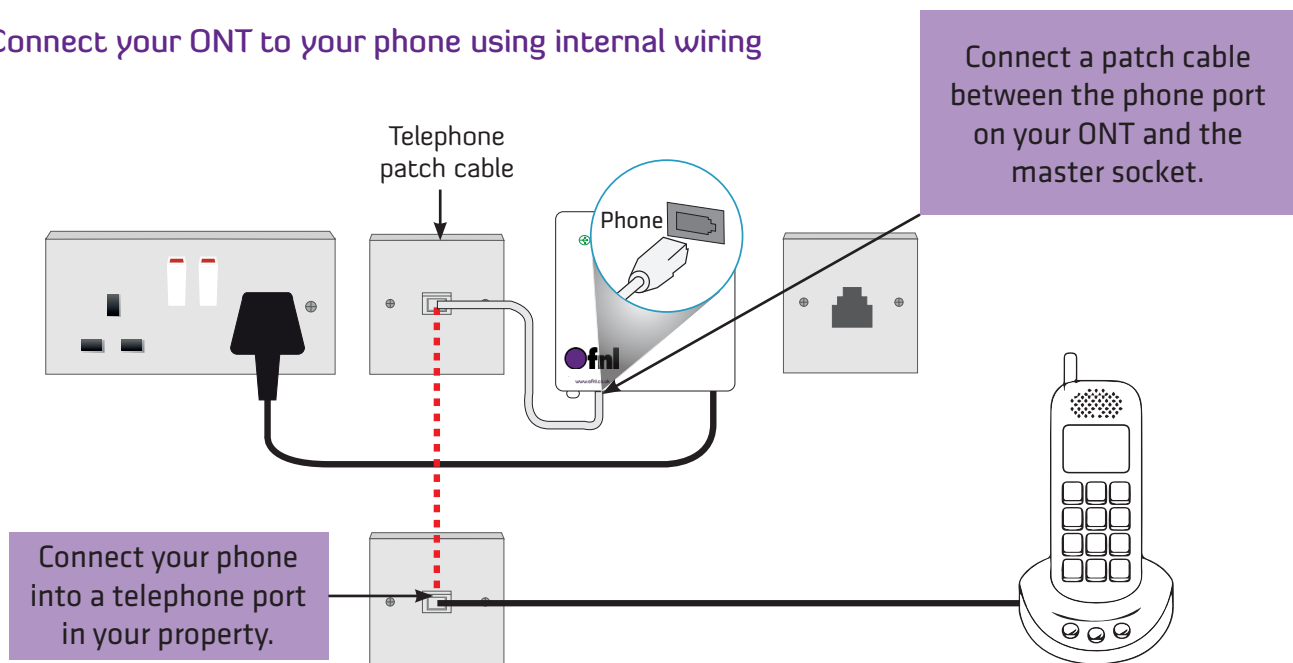
*The router colour and model may vary depending on the service provider you choose

Connect your ONT to your router using internal wiring

If your property has internal wiring, you may be able to connect devices to the internet using this, or use it to relocate your router into a room of your choice.



Connect your ONT to your phone using internal wiring



How to Get Sky Q with OFNL

The Next Generation Box

The Sky Q experience

- ✓ Pause, rewind or restart live TV
- ✓ Use Series Link to record a whole series
- ✓ Watch your favourite shows around the home
- ✓ Over 500 hours of recording space to save your favourite shows

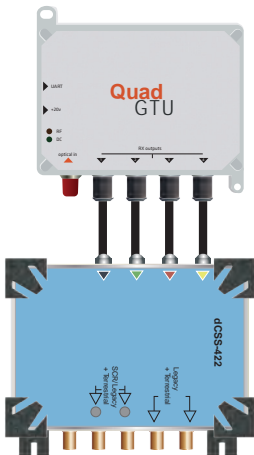


Getting Sky Q

If you live on a site where a communal satellite dish has been fitted, a Gateway Terminal Unit (GTU) will have been installed in your home. This enables you to get Sky or terrestrial Freeview services via a set top box.

What you need to do if you want to get Sky Q

If you have a Quad GTU



If you have a Quad GTU, the engineer will need to connect a DCSS switch to it, to allow you to receive Sky Q services.

If you have a dSCR GTU



You will not need a DCSS switch to receive Sky Q services - the engineer will connect your GTU to your Sky Q set top box.

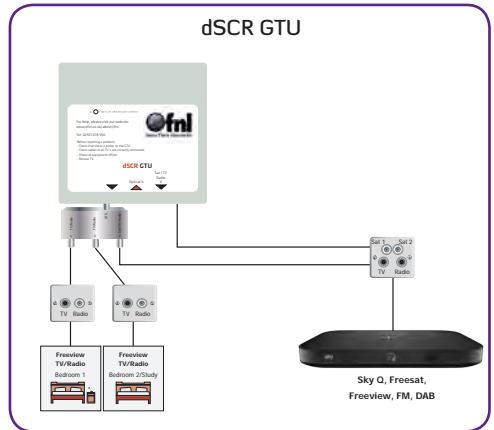
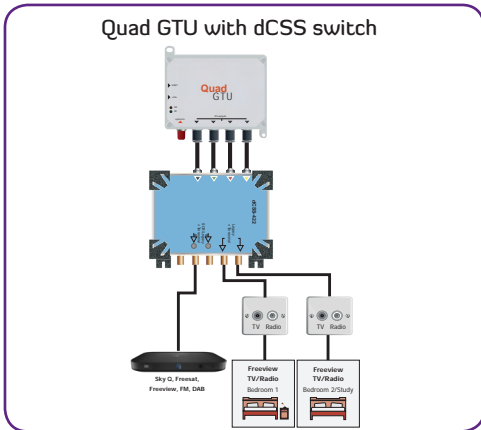
When you sign up for services with Sky, please remind Sky that you are on a communal site.

Sky Q Multi room setup

Sky Q provides the ability to watch TV in different rooms via multiple set top boxes. Only the main box needs to be connected to either the dCSS switch or the dSCR GTU.

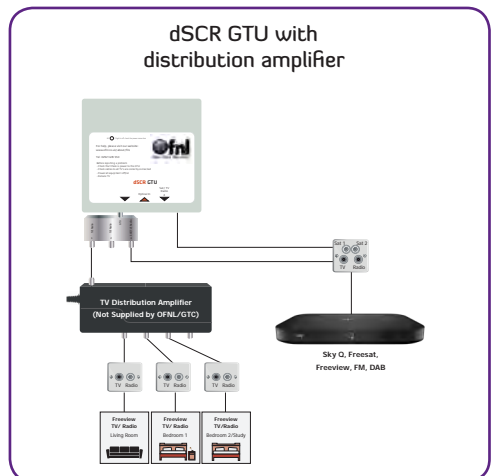
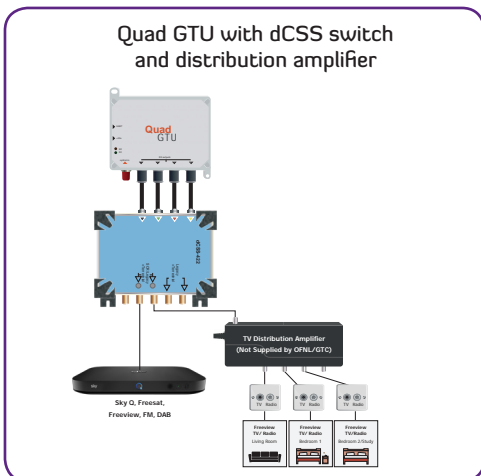
Watching Freeview

Connect a standard Digital TV to your GTU and watch free to air content.



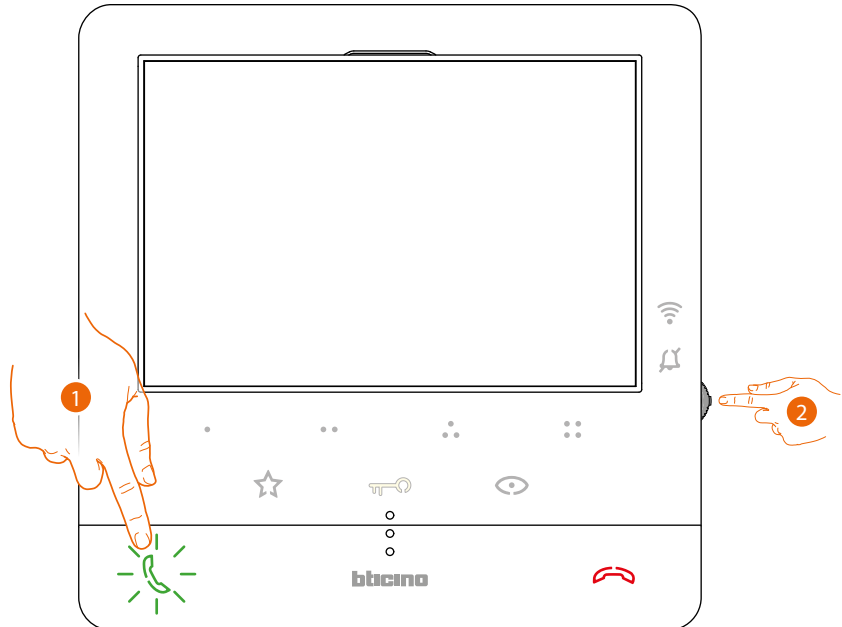
To watch Digital TV on more than two TV's, you may require a distribution amplifier. **OFNL don't supply these. Contact your local aerial/TV supplier to purchase one.**

Plug the 'Distribution Amplifier' into the spare port of the 'dCSS switch' or dSCR. Use additional cables and plug these into the faceplate in each room.

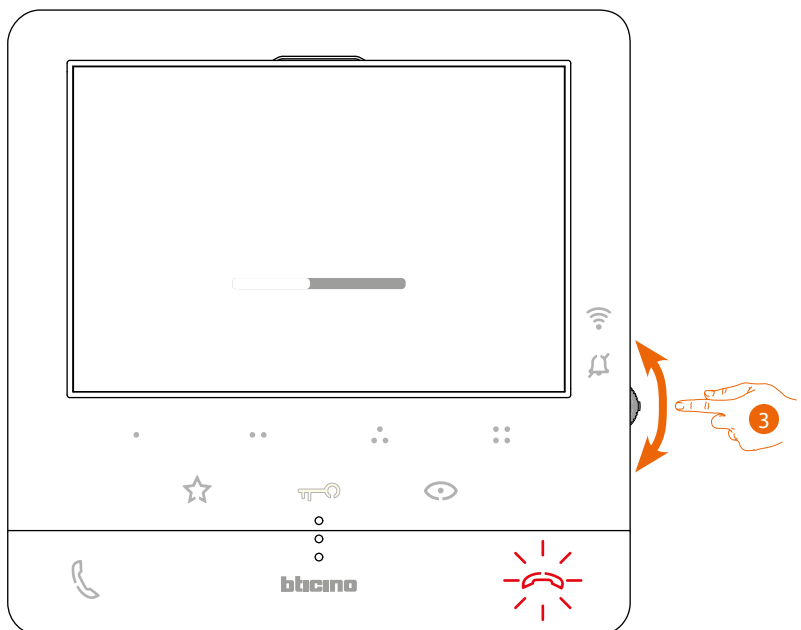






Quick guide

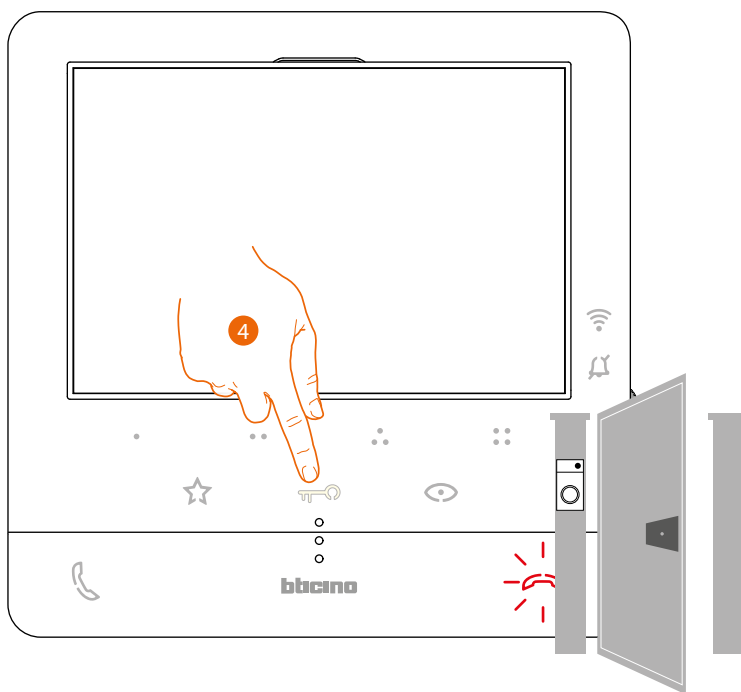
Answer a call



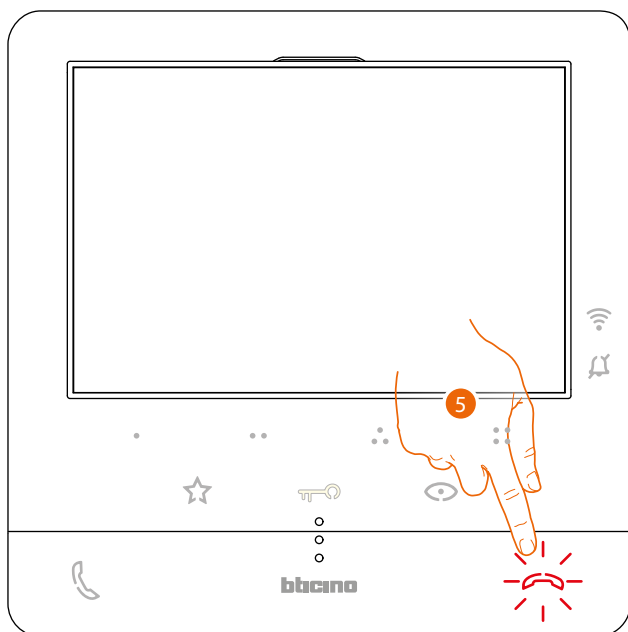
1. Touch to answer the call.
2. If necessary, during the call press the joystick to display the audio/video parameter adjustment icons.



3. Move the joystick up/down to select the type of parameter for which you want to modify the value (see the following table) among:
 -  Speaker volume (Parameter that can be adjusted only with active audio);
 -  Image brightness;
 -  Image contrast;
 -  Image colour.



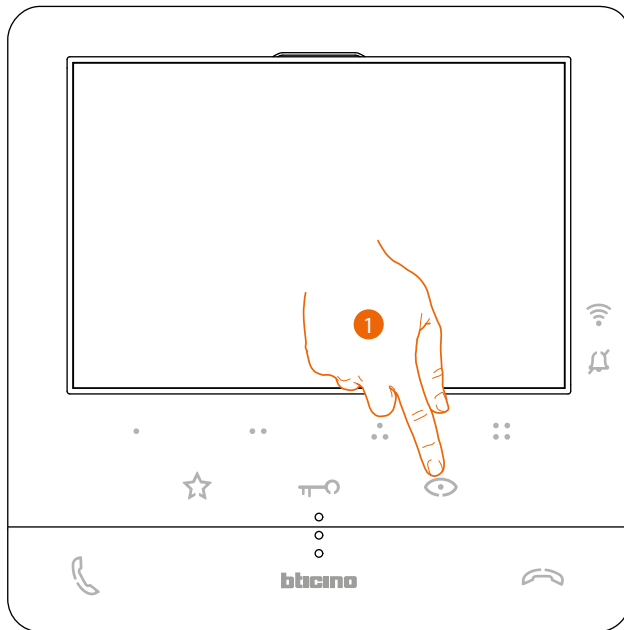
4. Touch to open the main Entrance Panel door lock



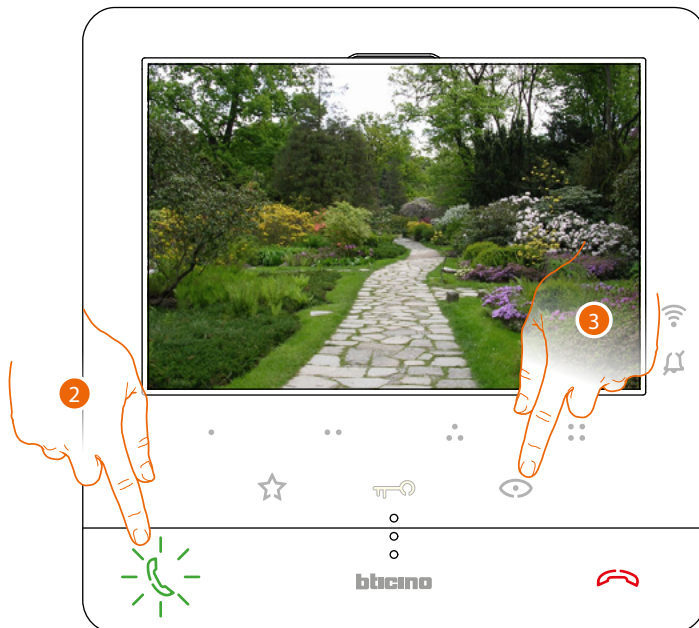
5. Touch to end the call.

Classe100 X16E

User and installation manual



1. Touch to display the Entrance Panels or the cameras in your system.



2. If necessary, touch to activate the audio communication

HELP VIDEOS FOR IDEAL HEATING PRODUCTS

Useful videos including how to top up your boiler can be found on the Ideal boilers website

Visit <https://idealheating.com/support/video-help>



+ USER GUIDE

LOGIC CODE COMBI ESP1
26 33 38



When replacing any part on this appliance, use only spare parts that you can be assured conform to the safety and performance specification that we require. Do not use reconditioned or copy parts that have not been clearly authorised by Ideal.

For the very latest copy of literature for specification and maintenance practices visit our website www.idealboilers.com where you can download the relevant information in PDF format.

For alternative languages in our User Guides please visit our website www.idealboilers.com.

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1. INTRODUCTION

The **Logic Code Combi ESP1** is a combination boiler providing both central heating and instantaneous domestic hot water. Featuring full sequence automatic ignition and fan assisted combustion.

Due to the high efficiency of the boiler, condensate is produced from the flue gases and this is drained to a suitable disposal point through a plastic waste pipe at the base of the boiler. A condensate 'plume' will also be visible at the flue terminal.

SAFETY

Current Gas Safety (Installation & Use) Regulations or rules in force.

In your own interest, and that of safety, it is the law that this boiler must be installed by a Gas Safe Registered Engineer, in accordance with the above regulations.

In IE, the installation must be carried out by a Registered Gas Installer (RGII) and installed in accordance with the current edition of I.S. 813 "Domestic Gas Installations", the current Building Regulations and reference should be made to the current ETCI rules for electrical installation.

It is essential that the instructions in this booklet are strictly followed, for safe and economical operation of the boiler.

ELECTRICITY SUPPLY

This appliance must be earthed.

Supply: 230 V ~ 50 Hz. The fusing should be 3A.

IMPORTANT NOTES

- This appliance must not be operated without the casing correctly fitted and forming an adequate seal.
- If the boiler is installed in a compartment then the compartment **MUST NOT** be used for storage purposes.
- If it is known or suspected that a fault exists on the boiler then it **MUST NOT BE USED** until the fault has been corrected by a Gas Safe Registered Engineer or in IE a Registered Gas Installer (RGII).
- Under **NO** circumstances should any of the sealed components on this appliance be used incorrectly or tampered with.
- This appliance can be used by children 8 years and above. Also persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, provided they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

All Gas Safe Register installers carry a Gas Safe Register ID card, and have a registration number. Both should be recorded in the Benchmark Commissioning Checklist. You can check your installer by calling Gas Safe Register direct on 0800 4085500.

Ideal Boilers is a member of the Benchmark scheme and fully supports the aims of the programme. Benchmark has been introduced to improve the standards of installation and commissioning of central heating systems in the UK and to encourage the regular servicing of all central heating systems to ensure safety and efficiency.

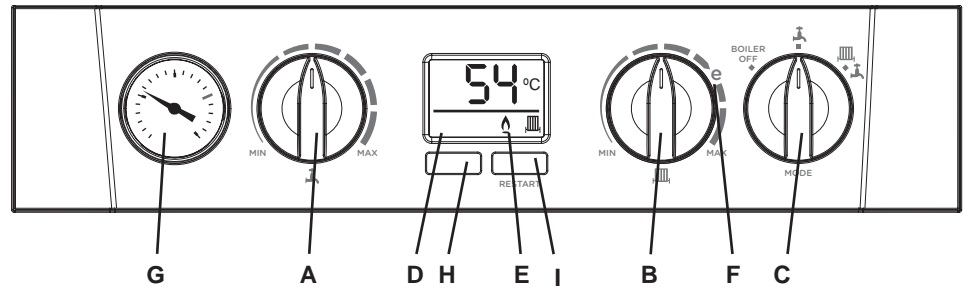
THE BENCHMARK SERVICE INTERVAL RECORD MUST BE COMPLETED AFTER EACH SERVICE



2. BOILER OPERATION

Legend

- A. Domestic Hot Water Temperature Knob
- B. Central Heating Temperature Knob
- C. Mode Knob
- D. Boiler Status Display
- E. Burner 'on' Indicator
- F. Central Heating Economy Setting
- G. Pressure Gauge
- H. Function Button
- I. RESTART Button



TO START THE BOILER

If a programmer is fitted refer to separate instructions for the programmer before continuing.

Start the boiler as follows:

1. Check that the electricity supply to boiler is off.
2. Set the mode knob (C) to '**BOILER OFF**'.
3. Set the Domestic Hot Water temperature knob (A) and Central Heating temperature knob (B) to '**MAX**'.
4. Ensure that all hot water taps are turned off.
5. Switch on electricity to the boiler and check that all external controls, e.g. programmer and room thermostat, are on.
6. Set the mode knob (C) to '❄️' (winter).

The boiler will commence ignition sequence, supplying heat to the central heating, if required.

Note. In normal operation the boiler status display (D) will show codes:

- ☐☐ Standby - no demand for heat.
- 🔥 Central Heating being supplied
- 🚰 Domestic hot water being supplied
- FP Boiler frost protection
- boiler will fire if temperature is below 5°C.

During normal operation the burner on indicator '🔥' will remain illuminated when the burner is lit.

Note: If the boiler fails to light after five attempts the fault code L2 will be displayed (refer to Fault Code page).

OPERATION MODES

Winter Conditions - (Central Heating and Domestic Hot Water required)

Set the mode knob (C) to '❄️' (winter).

The boiler will fire and supply heat to the radiators but will give priority to domestic hot water on demand.

Summer Conditions - (Domestic Hot Water only required)

Set the mode knob (C) to '🚰' (summer).

Set the central heating demand on the external controls to OFF.

Boiler Off

Set the mode knob (C) to '**BOILER OFF**'. The boiler mains power supply must be left on to enable frost protection (see Frost Protection).

CONTROL OF WATER TEMPERATURE

Domestic Hot Water

The domestic hot water temperature is limited by the boiler controls to a maximum temperature of 65°C, adjustable via the domestic hot water temperature knob (A).

Approximate temperatures for domestic hot water:

Knob Setting	Hot Water Temperature (approx.)
Minimum	40°C
Maximum	65°C

Due to system variations and seasonal temperature fluctuations domestic hot water flow rates/temperature rise will vary, requiring adjustment at the tap: the lower the flow rate the higher the temperature, and vice versa.

Central Heating

The boiler controls the central heating radiator temperature to a maximum of 80°C, adjustable via the central heating temperature knob (B).

Approximate temperatures for central heating:

Knob Setting	Central Heating Radiator Temperature (approx.)
Minimum	30°C
Maximum	80°C

For economy setting 'e' refer to Efficient Heating System Operation.

EFFICIENT HEATING SYSTEM OPERATION

The boiler is a high efficiency, condensing appliance which will automatically adjust its output to match the demand for heat. Therefore gas consumption is reduced as the heat demand is reduced.

The boiler condenses water from the flue gases when operating most efficiently. To operate your boiler efficiently (using less gas) turn the central heating temperature knob (B) to the 'e' position or lower. In winter periods it may be necessary to turn the knob towards the 'MAX' position to meet heating requirements. This will depend on the house and radiators used.

Reducing the room thermostat setting by 1°C can reduce gas consumption by up to 10%.

WEATHER COMPENSATION

When the Weather Compensation option is fitted to the system then the central heating temperature knob (B) becomes a method of controlling room temperature. Turn the knob clockwise to increase room temperature and anti-clockwise to decrease room temperature. Once the desired setting has been achieved, leave the knob in this position and the system will automatically achieve the desired room temperature for all outside weather conditions.

BOILER FROST PROTECTION

The boiler is fitted with frost protection that operates in all modes, provided the power supply to the boiler is always turned on. If the water in the boiler falls below 5°C, the frost protection will activate and run the boiler to avoid freezing. The process does not guarantee that all other parts of the system will be protected.

If a system frost thermostat has been installed, the boiler must be set in winter mode, '❄️', for the system frost protection to run.

If no system frost protection is provided and frost is likely during a short absence from home it is recommended to leave the system heating controls or built in programmer (if fitted) switched on and run at a reduced temperature setting. For longer periods, the entire system should be drained.

BOILER RESTART

To restart the boiler, when directed in the listed fault codes (see section 8) press the restart button (I). The boiler will repeat its ignition sequence. If the boiler still fails to start consult a Gas Safe Registered Engineer or an IE Registered Gas Installer (RGII).

MAINS POWER OFF

To remove all power to the boiler the mains power switch must be turned off.

3. SYSTEM WATER PRESSURE

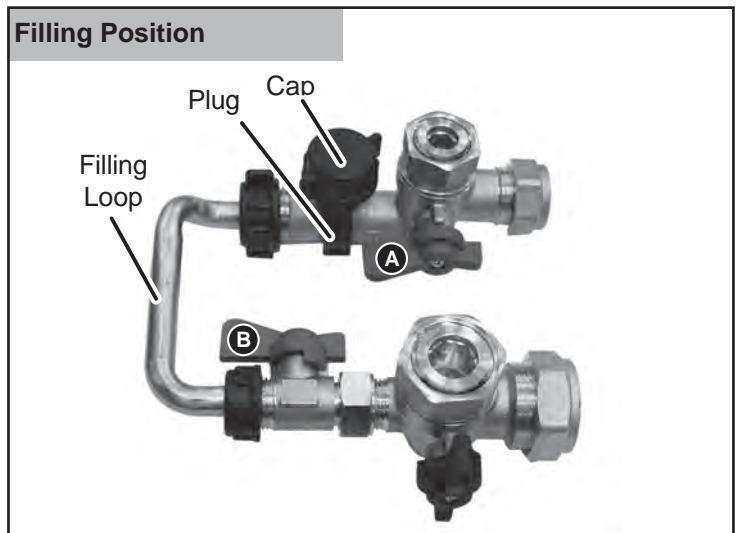
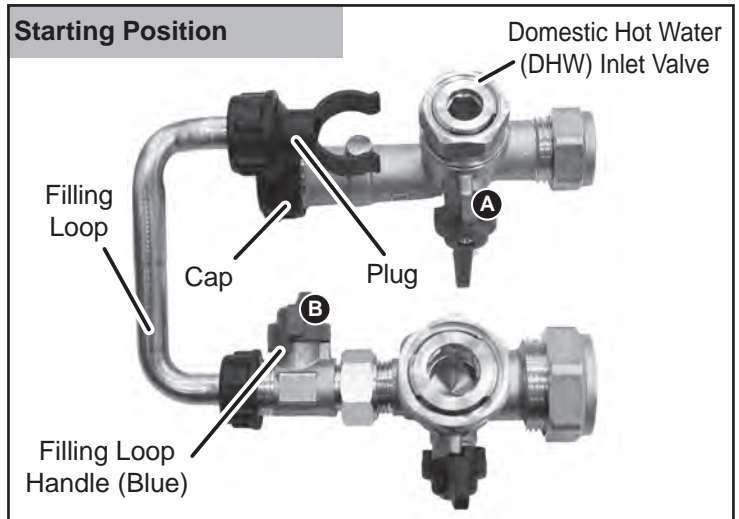
The system pressure gauge (G - see page 3) indicates the central heating system pressure. If the pressure is seen to fall below the original installation pressure of 1-2 bar over a period of time and continue to fall then a water leak may be indicated. In this event re-pressurise the system as shown below. If unable to do so or if the pressure continues to drop a Gas Safe Registered Engineer or in IE a Registered Gas Installer (RGII) should be consulted.



THE BOILER WILL NOT OPERATE IF THE PRESSURE HAS REDUCED TO LESS THAN 0.3 BAR UNDER THIS CONDITION.

To Top up the system :-

1. Ensure both **A** & **B** handles (blue) are in closed position (as shown below)
2. Remove the plug and cap and retain.
3. Connect the filling loop to the Domestic Hot Water (DHW) inlet and



tighten. Also ensure that the other end of filling loop is hand tight.

4. Turn the Domestic Hot Water (DHW) Inlet **A** blue handle to the horizontal position.
5. Ensuring no leaks are seen, gradually turn the filling loop handle (blue) **B** to the horizontal position.
6. Wait for the pressure gauge to reach 1 to 1.5 bar.
7. Once pressure is reached turn valves **A** & **B** back to the closed position.
8. Disconnect the filling loop, replace cap and plug. Note there can be some water spillage at this point.

4. CONDENSATE DRAIN

This appliance is fitted with a siphonic condensate trap system that reduces the risk of the appliance condensate from freezing. However should the condensate pipe to this appliance freeze, please follow these instructions:

- a. If you do not feel competent to carry out the defrosting instructions below please call your local Gas Safe Registered installer for assistance.
- b. If you do feel competent to carry out the following instructions please do so with care when handling hot utensils. Do not attempt to thaw pipework above ground level.

If this appliance develops a blockage in its condensate pipe, its condensate will build up to a point where it will make a gurgling noise prior to locking out an "L2" fault code. If the appliance is restarted it will make a gurgling noise prior to it locking out on a failed ignition "L2" code.

To unblock a frozen condensate pipe;

1. Follow the routing of the plastic pipe from its exit point on the appliance, through its route to its termination point.
Locate the frozen blockage. It is likely that the pipe is frozen at the most exposed point external to the building or where there is some obstruction to flow. This could be at the open end of the pipe, at a bend or elbow, or where there is a dip in the pipe in which condensate can collect. The location of the blockage should be identified as closely as possible before taking further action.
2. Apply a hot water bottle, microwaveable heat pack or a warm damp cloth to the frozen blockage area. Several applications may have to be made before it fully defrosts. Warm water can also be poured onto the pipe from a watering can or similar. **DO NOT** use boiling water.
3. Caution when using warm water as this may freeze and cause other localised hazards.
4. Once the blockage is removed and the condensate can flow freely, restart the appliance. (Refer to "To Light the boiler")
5. If the appliance fails to ignite, call your Gas Safe Registered engineer.

Preventative solutions

During cold weather, set the central heating temperature knob (B) to maximum, (Must return to original setting once cold spell is over).

Place the heating on continuous and turn the room thermostat down to 15°C overnight or when unoccupied. (Return to normal after cold spell).

5. GENERAL INFORMATION

BOILER PUMP

The boiler pump will operate briefly as a self-check once every 24 hours, regardless of system demand.

MINIMUM CLEARANCES

Clearance of 165mm above, 100mm below, 2.5mm at the sides and 450mm at the front of the boiler casing must be allowed for servicing.

Bottom Clearance

Bottom clearance after installation can be reduced to 5mm. This must be obtained with an easily removable panel to provide the 100mm clearance required for servicing.

ESCAPE OF GAS

Should a gas leak or fault be suspected contact the National Gas Emergency Service without delay. **Telephone 0800 111 999.**

Ensure that;

- **All naked flames are extinguished**
- **Do not operate electrical switches**
- **Open all windows and doors**

CLEANING

For normal cleaning simply dust with a dry cloth. To remove stubborn marks and stains, wipe with a damp cloth and finish off with a dry cloth. **DO NOT use abrasive cleaning materials.**

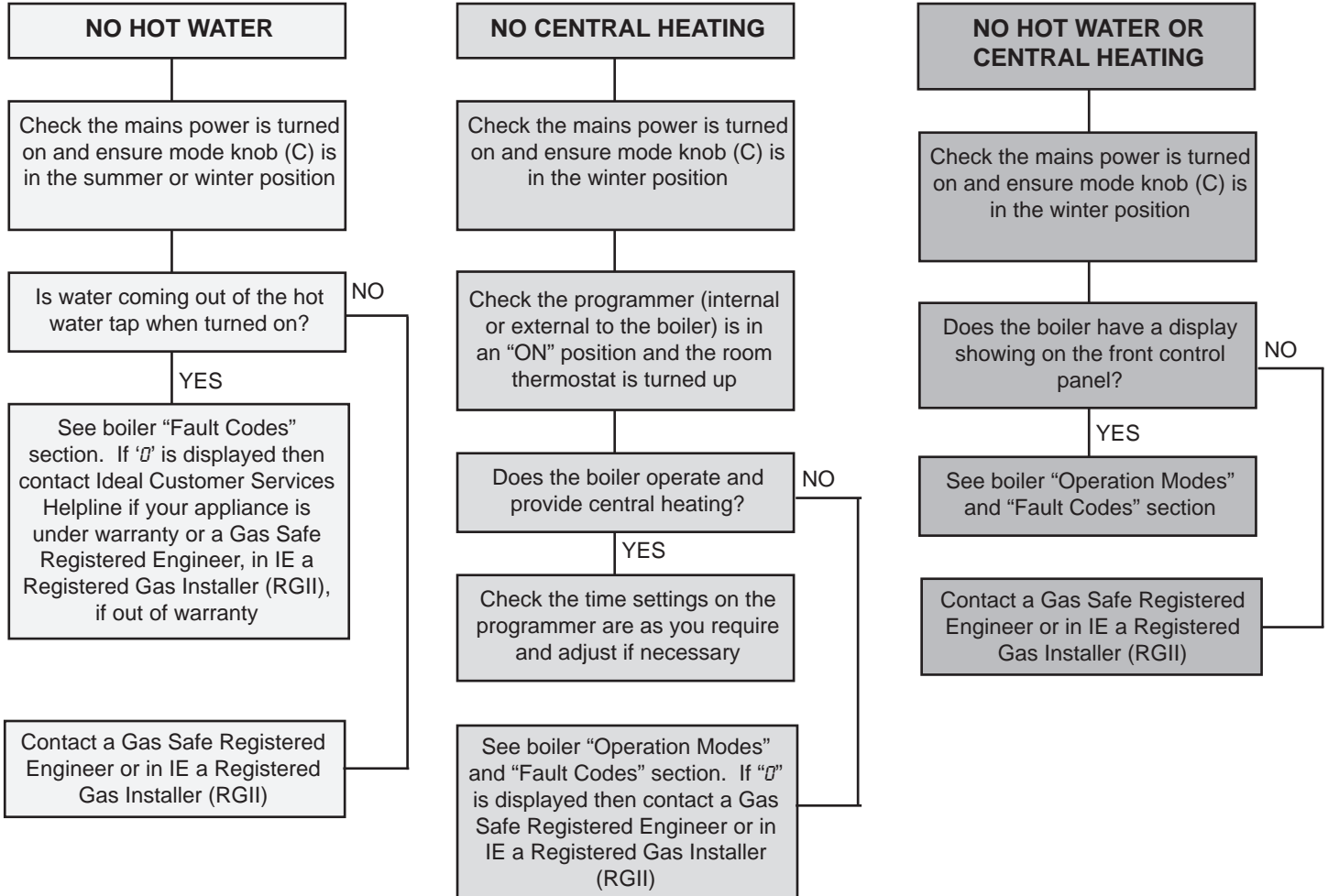
MAINTENANCE

The appliance should be serviced at least once a year by a Gas Safe Registered Engineer or in IE a Registered Gas Installer (RGI).








6. POINTS FOR THE BOILER USER

Note. In line with our current warranty policy we would ask that you check through the following guide to identify any problems external to the boiler prior to requesting a service engineer's visit. Should the problem be found to be other than with the appliance we reserve the right to levy a charge for the visit, or for any pre-arranged visit where access is not gained by the engineer.

TROUBLESHOOTING



7. NORMAL OPERATION DISPLAY CODES

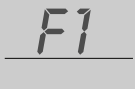














DISPLAY CODE ON BOILER	DESCRIPTION
	The boiler is in standby operation awaiting either a central heating call or hot water demand.
	The boiler has a call for central heating but the appliance has reached the desired temperature set on the boiler.
	The boiler has a call for hot water but the appliance has reached the desired temperature set on the boiler.
	The boiler is operating in central heating mode.
	The boiler is operating in domestic hot water mode.
	The boiler is operating in frost protection.
	The boiler mode knob (C) is in the off position, rotate fully clockwise for hot water and central heating operation.

**FOR ANY QUERIES PLEASE RING THE
IDEAL CONSUMER HELPLINE : 01482 498660**

NOTE. BOILER RESTART PROCEDURE -

To restart the boiler press the RESTART button. The boiler will repeat the ignition sequence if a heat demand is present.

8. FAULT CODES

DISPLAY CODE ON BOILER	DESCRIPTION	ACTION
	Low Water Pressure	Check system water pressure is between 1 & 1.5bar on the system pressure gauge. To re-pressurise the system see Section 3. If the boiler still fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Flame Loss	<ol style="list-style-type: none"> 1. Check other gas appliances in the house are working to confirm a supply is present in the property. 2. If other appliances do not work or there are no other appliances, check the gas supply is on at the meter and/or pre payment meter has credit. If the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Fan Fault	Restart the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Flow Thermistor	Restart the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Return Thermistor	Restart the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Outside Sensor Failure	Restart the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Low Mains Voltage	Contact a qualified electrician or your electricity provider.
	Unconfigured PCB	Unconfigured PCB. Please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Flow Temperature Overheat or No Water Flow	Check system water pressure is between 1 & 1.5bar on the system pressure gauge. To re-pressurise the system see Section 3. If the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Ignition Lockout	<ol style="list-style-type: none"> 1. Check condensate pipe for blockages (refer to Section 4). 2. Check other gas appliances in the house are working to confirm a supply is present in the property. 3. If other appliances do not work or there are no other appliances, check the gas supply is on at the meter and/or pre payment meter has credit. If the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	False Flame Lockout	Restart the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	5 Boiler Resets in 15 minutes	<ol style="list-style-type: none"> 1. Turn electrical supply to boiler off and on. 2. If the boiler fails to operate please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Negative Differential Flow/Return Thermistor	If the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Flow/Return Differential > 50°C	If the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Diverter Valve in mid-position for service	Rotate all knobs fully clockwise, turn boiler power off and on then press restart



T3 / T3R PROGRAMMABLE THERMOSTAT

- EN Quick Start User Guide**
NL Gebruikershandleiding
FR Mode d'emploi
DE Schnellstart-Anleitung
IT Guida utente
ES Guía de usuario
PT Guia do utilizador

p2 = CZ HR HU PL RO SK

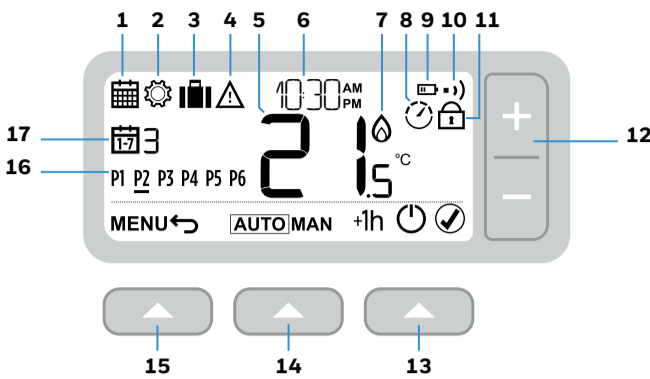
Online Guides

Online instructies / Instructions en ligne / Online Anleitung / Guide online / Instrucciones Online / Instruções Online

<http://hwlhome.co/eu-T3>

1 Screen and button overview

Screen and button overview /
 Overzicht van schermen en knoppen /
 Aperçu de l'écran et des boutons /
 Bildschirm- und Schaltflächenübersicht /
 Panoramica sullo schermo e sui pulsanti /
 Resumen de pantalla y botones /
 Resumo do ecrã e dos botões



- 1 Programming Menu**
 Programmeermenu
 Menu de programmation
 Programmiermenü
 Menu di programmazione
 Menú de programación
 Menu de programação
- 2 Settings Menu**
 Instellingen Menu
 Menu Paramètres
 Einstellungs-menü
 Menu Impostazioni
 Menú de configuración
 Menu de configuração
- 3 Holiday Menu**
 Vakantie menu
 Menu de vacances
 Urlaubsmenü
 Menu vacanze
 Menú de vacaciones
 Menu de férias

- 4 Alert**
 Alarm / Alerte / Alarm /
 Allarme / Alerta / Alerta
- 5 Room Temperature**
 Kamertemperatuur /
 Température ambiante /
 Raumtemperatur /
 Temperatura ambiente /
 Temperatura ambiente /
 Temperatura ambiente
- 6 Current time**
 Huidige tijd / Heure actuelle /
 Aktuelle Uhrzeit / Ora attuale /
 Hora actual / Hora atual
- 7 Heat demand**
 Warmtevraag / Demande de chaleur /
 Wärmebedarf / Richiesta di calore /
 Demanda de calor / Demanda de calor
- 8 Optimisation**
 Optimalisatie / Optimisation /
 Optimisierung / Ottimizzazione /
 Optimización / Otimização
- 9 Low battery**
 Lage batterij / Batterie faible /
 Niedriger Batteriestatus /
 Batteria scarica /
 Bateria baja / Bateria fraca
- 10 Wireless signal (T3R only)**
 Draadloos signaal (alleen T3R) /
 Signal sans fil (T3R uniquement) /
 Funk-Signal (nur T3R) /
 Segnale wireless (solo T3R) /
 Señal inalámbrica (solo T3R) /
 Sinal sem fio (apenas T3R)
- 11 Keypad Lock**
 Toetsblokkering /
 Verrouillage du clavier / Tastensperre /
 Blocco tastiera / Bloqueo de teclado /
 Bloqueo de teclado /
 Bloqueio do teclado
- 12 Temperature adjust**
 Temperatuur aanpassen /
 Ajuster Température /
 Temperatur einstellen /
 Regolazione della temperatura /
 Ajuste de temperatura /
 Ajuste da temperatura
- 13 Right button**
 Rechterknop / Bouton droit /
 Rechte Taste / Pulsante destro /
 Botón derecho / Botão direito
- 14 Middle button**
 Mittelste knop / Bouton central /
 Mittlere Taste / Pulsante centrale /
 Botón central / Botão central
- 15 Left button**
 Linkerknop / Bouton gauche /
 Linke Taste / Pulsante di sinistra /
 Botón izquierdo / Botão esquerdo
- 16 Schedule period**
 Programma periode /
 Période de programmation /
 Zeitplan-Programmierung /
 Periodo di programmazione /
 Periodo de programación /
 Periodo de programação
- 17 Day**
 Dag / Jour / Tag /
 Giorno / Dia / Dia

2 Default Schedule

Standard schema / Programmation par défaut /
 Standardzeitplan / Programma predefinito /
 Programa predeterminado / Programa padrão

	P1	P2	P3	P4	P5	P6
Mo-Fr	06:30 21°C	08:00 16°C	12:00 21°C	14:00 16°C	18:00 21°C	22:30 16°C
Sa-Su	6:30 21°C	9:00 18°C	12:00 21°C	14:00 18°C	18:00 21°C	23:00 16°C

Adjusting the Schedule

Het programma aanpassen / Modifier la programmation /
 Anpassen des Zeitplans / Regolazione del programma /
 Ajuste de la programación / Ajuste da programação

1 Press MENU
 Druk op MENU
 Appuyez sur MENU
 Drücken Sie auf MENÜ
 Premere MENU
 Presione MENU
 Pressione MENU

2 Select PROG then confirm
 Selecteer PROG en bevestig
 Sélectionnez PROG puis confirmez
 Wählen Sie PROG und bestätigen Sie
 Seleziona PROG quindi conferma
 Seleccione PROG y confirme
 Seleccione PROG e confirme

3 Select day then confirm
 Selecteer een dag en bevestig
 Sélectionnez le jour puis confirmez
 Wählen Sie den Tag und bestätigen Sie
 Seleziona il giorno quindi conferma
 Seleccione el día y confirme
 Seleccione o día e confirme

4 Select period then confirm
 Selecteer periode en bevestig
 Sélectionnez la période puis confirmez
 Wählen Sie den Zeitraum und bestätigen Sie
 Seleziona il periodo quindi conferma
 Seleccione un periodo y confirme
 Seleccione um período e confirme

5 Adjust time then confirm
 Pas de tijd aan en bevestig
 Ajuster l'heure puis confirmer
 Passen Sie die Zeit an und bestätigen Sie
 Imposta l'orario quindi conferma
 Ajuste el horario y confirme
 Ajuste o horário e confirme

6 Adjust temperature then confirm
 Pas de température aan en bevestig
 Ajuster la température puis confirmer
 Temperatur einstellen und bestätigen
 Regola la temperatura quindi conferma
 Ajuste la temperatura y confirme
 Ajuste a temperatura e confirme

Copy Day

Dag kopiëren / Copier un jour / Tag kopieren / Copia il giorno / Copiar día / Copiar dia

1 Select day then COPY
 Selecteer een dag en dan COPY
 Sélectionnez le jour puis COPIE
 Wählen Sie den Tag und dann COPY
 Seleziona il giorno, quindi COPIA
 Seleccione el día y luego COPIAR
 Seleccione o día e, em seguida, COPY

2 Select "TO" day then confirm
 Selecteer "TO" dag en bevestig vervolgens
 Sélectionnez "SUR" jour puis confirmez
 Wählen Sie "TO" Tag und bestätigen Sie dann
 Selezionare il giorno di destinazione, quindi confermare
 Seleccione el día al que copiar y luego confirme
 Seleccione o dia para copiar e confirme

1 Select period
 Selecteer periode
 Sélectionnez une période
 Wählen Sie den Zeitraum aus
 Seleziona periodo
 Selecionar período
 Seleccione o período

2 Hold Left button for 3sec
 Houd de linkerknop 3 seconden lang ingedrukt
 Maintenez le bouton gauche pendant 3sec
 Halten Sie die linke Taste 3 Sekunden lang gedrückt
 Tenere premuto il tasto sinistro per 3 secondi
 Mantenga presionado el botón izquierdo durante 3 segundos
 Pressione e segure o botão esquerdo por 3 segundos

3 Device Modes

Toestel Modus / Mode de fonctionnement / Betriebsarten des Geräts /
 Modalità dispositivo / Modos de funcionamiento / Modos de operação

"AUTO"
 Programmed schedule is followed
 Geprogrammeerd schema wordt gevolgd
 L'horaire programmé est suivi
 Programmierter Zeitplan wird umgesetzt
 Il programma impostato verrà seguito
 Se sigue el horario programado
 O horário agendado é seguido

"MAN"
 Only set temperature is followed
 Alleen de ingestelde temperatuur wordt gevolgd
 Seule la température réglée est suivie
 Nur die eingestellte Temperatur wird umgesetzt
 Viene seguida solo la temperatura impostata
 Solo se sigue la temperatura seleccionada
 Somente a temperatura selecionada é seguida

"OFF"
 Heating is OFF
 Verwarming is UIT / Le chauffage est désactivé / Heizung ist ausgeschaltet /
 Il riscaldamento è spento / La calefacción está apagada / O aquecimento está desligado

4 Temperature Override

Temperatuur overschrijven / Dégation / Temperaturüberschreibung / Controllo
 manuale temporaneo / Anulación del programa / Cancelamento do programa

"AUTO"
 Temporary override until next programmed period
 Tijdelijke aanpassing tot aanvang volgende periode
 Dégation temporaire jusqu'à la prochaine période programmée
 Temporäre Übersteuerung bis zum nächsten programmierten Zeitraum
 Override temporaneo fino al prossimo periodo programmato
 Anulación temporal hasta el próximo periodo programado
 Substituição temporária até ao próximo período agendado

"MAN"
 Permanent override until manually changed
 Permanente aanpassing tot handmatig gewijzigd
 Dégation permanente jusqu'à modification manuelle
 Permanente Übersteuerung bis zur manuellen Änderung
 Override permanente fino a quando verrà modificato manualmente
 Anulación permanente hasta cambio manual
 Cancelamento permanente até à mudança manual

"+1h"
 Press for one hour override
 Druk om 1 uur te overbruggen
 Appuyez pour une heure de priorité
 Drücken Sie für eine Stunde
 Temperaturüberschreibung
 Premere per un override di un'ora
 Presione para anular el programa durante una hora
 Pressione para cancelar o programa por uma hora

5 Holiday Mode

Vakantiemodus / Mode vacances / Urlaubsmodus / Modalità
 vacanza / Modo vacaciones / Modo de férias

1 Press MENU, Select AWAY then confirm
 Druk op MENU, Selecteer AWAY en bevestig
 Appuyez sur MENU, Sélectionnez AWAY puis confirmez
 Drücken Sie auf MENU, Wählen Sie AWAY und bestätigen Sie
 Premere MENU, Seleziona AWAY quindi conferma
 Presione MENU, Seleccione AWAY y confirme
 Pressione MENU, Seleccione AWAY e confirme

2 Adjust days then confirm
 Pas de dagen aan en bevestig
 Ajuster les jours puis confirmer
 Passen Sie die tage an und bestätigen Sie
 Regola i giorni quindi conferma
 Ajustar dias luego confirmar
 Ajustar dias e confirmar

2 Adjust temperature then confirm
 Pas de température aan en bevestig
 Ajuster la température puis confirmer
 Temperatur einstellen und bestätigen
 Regola la temperatura quindi conferma
 Ajuste la temperatura y confirme
 Ajuste a temperatura e confirme

Cancel
 Press MENU, then confirm
 Druk op MENU en bevestig
 Appuyez sur MENU, puis confirmez
 Drücken Sie auf MENU, dann bestätigen
 Premere MENU, quindi conferma
 Presione MENU, luego confirme
 Pressione MENU e confirme

6 Date and Time

Datum en tijd / Date et l'heure / Datum und Uhrzeit /
 Data e ora / Fecha y hora / Data e hora

1 Press MENU
 Druk op MENU
 Appuyez sur MENU
 Drücken Sie auf MENÜ
 Selezionare MENU
 Presione MENU
 Pressione MENU

2 Select SETTINGS then confirm
 Selecteer INSTELLINGEN en bevestig
 Sélectionnez PARAMÈTRES puis confirmez
 Wählen Sie EINSTELLUNGEN, danach bestätigen
 Seleziona IMPOSTAZIONI quindi confermare
 Seleccione CONFIGURACIÓN y confirme
 Seleccione CONFIGURAÇÃO e confirme

3 Set MONTH (1-12) then confirm
 Stel MAAND in (1-12) bevestig dan
 MONAT (1-12) einstellen, danach bestätigen
 Régler le MOIS (1-12) puis confirmez
 Répétez les étapes pour régler JOUR, HEURE et MINUTE
 Wiederholen Sie die Schritte zum Einstellen von TAG, STUNDE und MINUTE
 Ripeti i passi per configurare GIORNO, ORA e MINUTI
 Repita los pasos para configurar DIA, HORA y MINUTO
 Repita os passos para definir DIA, HORA e MINUTO

6 Repeat steps to set DAY, HOUR and MINUTE
 Herhaal de stappen om DAG, UUR en MINUUT in te stellen
 Répétez les étapes pour régler JOUR, HEURE et MINUTE
 Wiederholen Sie die Schritte zum Einstellen von TAG, STUNDE und MINUTE
 Ripeti i passi per configurare GIORNO, ORA e MINUTI
 Repita los pasos para configurar DIA, HORA y MINUTO
 Repita os passos para definir DIA, HORA e MINUTO

3 Select YEAR then confirm
 Selecteer JAAR en bevestig
 Sélectionnez ANNÉE puis confirmez
 Wählen Sie JAHR, danach bestätigen
 Seleziona ANNO quindi conferma
 Seleccione AÑO y luego confirme
 Seleccione AÑO e confirme

4 Set YEAR then confirm
 Stel YEAR in en bevestig vervolgens
 Réglez YEAR puis confirmez
 JAHRE einstellen, danach bestätigen
 Imposta anno, quindi conferma
 Ajuste AÑO y confirme
 Ajuste AÑO e confirme

7 Keypad Lock

Toetsblokkering / Verrouillage du clavier / Tastensperre /
 Blocco tastiera / Bloqueo de teclado / Bloqueo do teclado

Lock
 1. Press MENU, Select LOCK then confirm
 Druk op MENU, Selecteer LOCK en bevestig
 Appuyez sur MENU, Sélectionnez LOCK puis confirmez
 Drücken Sie auf MENU, Wählen Sie LOCK und bestätigen Sie
 Premere MENU, Seleziona LOCK quindi conferma
 Presione MENU, Seleccione LOCK y confirme
 Pressione MENU, Seleccione LOCK e confirme

Unlock
 2. Press MENU, Select UNLOCK then confirm
 Druk op MENU, Selecteer UNLOCK en bevestig
 Appuyez sur MENU, Sélectionnez UNLOCK puis confirmez
 Drücken Sie auf MENU, Wählen Sie UNLOCK und bestätigen Sie
 Premere MENU, Seleziona UNLOCK quindi conferma
 Presione MENU, Seleccione UNLOCK y confirme
 Pressione MENU, Seleccione UNLOCK e confirme

8 Troubleshooting

Probleemoplossen / Dépannage / Fehlerbehebung /
 Risoluzione dei problemi / Resolución de problemas /
 Resolução de problemas

- 10% battery power**
 10% batterijvermogen / 10% de la puissance de la batterie /
 10% Batterieleistung / 10% di carica della batteria / 10% de batería /
 10% de batería
- Battery critical low**
 Batterij bijna leeg / Batterie critique faible /
 Batteriestatus kritisch niedrig / Batteria quasi scarica /
 Bateria críticamente baja / Bateria críticamente baixa
- Faulty sensor**
 Defecte sensor / Capteur défectueux / Fehlerhafter Sensor /
 Sensore difettoso / Sensor defectuoso / Sensor defeituoso
- Wireless Signal Loss (T3R Only)**
 Verlies draadloos signaal (alleen T3R) /
 Perte de signal sans fil (T3R seulement) /
 Verlust Funksignals (nur T3R) / Perdita di segnale wireless (solo T3R) /
 Pérdida de señal inalámbrica (solo T3R) /
 Perda de sinal sem fio (apenas T3R)



T3 / T3R PROGRAMMABLE THERMOSTAT

EN Quick Start User Guide

- CZ Stručná uživatelská příručka
- HR Kratki korisnički priručnik za rukovanje
- HU Gyors üzembe helyezési útmutató
- PL Przewodnik Szybki start
- RO Ghidul utilizatorului pentru pornirea rapidă
- SK Stručná príručka používateľa

Online Guides

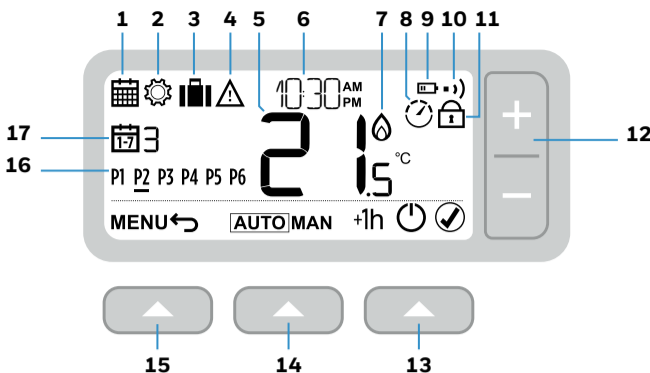
Online průvodce / Mrežni priručnik / Ghiduri online / Przewodniki online / Ghiduri online / online sprievodca



<http://hwlhome.co/eu-T3>

1 Screen and button overview

Přehled obrazovek a tlačítek / Pregled zaslona i gumba / Kijelző és gombok áttekintése / Przegład ekranu i przycisków / Ecran si butoane / Prehľad obrazoviek a tlačidiel



- 1 Programming Menu**
Menu Programování
Izbornik programiranja
Programozás menü
Menu programowania
Menui programare
Menu programovania
- 2 Settings Menu**
Menu Nastavení
Izbornik postavki
Beállítások menü
Menu Ustawień
Menu setari
Menu nastavenia
- 3 Holiday Menu**
Prázdninové menu
Izbornik za odmor
Utazási menü
Menu święteczne
Menui de vacanță
Prázdninové menu

- 4 Alert**
Upozornění / Obavijest / Riasztás / Powiadomienie / Alerte / Upozornenie
- 5 Room Temperature**
Teplota v místnosti / Sobna temperatura / Szobahőmérséklet / Temperatura pokojowa / Temperatura ambiente / Teplota v miestnosti
- 6 Current time**
Aktuální čas / Trenutačno vrijeme / Aktualis idő / Aktualna godzina / Ora currenta / Aktualny čas
- 7 Heat demand**
Požadavek na vytápění / Zahtjevi za grijanjem / Hőigény / Zapotrzebowanie na ciepło / Cerere de caldura / Poziadavka na teplo
- 8 Optimisation**
Optimalizace / Optimizacija / Optimalizáció / Optymalizacja / Optimizare / Optimalizácia
- 9 Low battery**
Nizký stav baterie / Slaba baterija / Alacsony elem feszültség / Niski stan naładowania baterii / Baterie slaba / Slabá batéria
- 10 Wireless signal (T3R only)**
Bezdrátový signál (pouze model T3R) / Bežični signal (samo T3R) / Vezeték nélküli jel (csak T3R) / Sygнал bezprzewodowy (tylko T3R) / Semnal wireless (numai T3R) / Beždróťový signál (iba T3R)
- 11 Keypad Lock**
Zámek klávesnice / Zaključavanje tipkovnice / Billentyűzár / Blokada klawiatury / Blocare tastatura / Uzamknutie klávesnice
- 12 Temperature adjust**
Nastavení teploty / Prilagodavanje temperature / Hőmérséklet módosítása / Regulacja temperatury / Reglare temperatura / Nastavenie teploty
- 13 Right button**
Pravé tlačítko / Desni gumb / Jobb gomb / Prawy przycisk / Buton drept / Pravé tlačidlo
- 14 Middle button**
Prostřední tlačítko / Srednji gumb / Középső gomb / Srodkowy przycisk / Buton mijloc / Středné tlačidlo
- 15 Left button**
Levé tlačítko / Lijevi gumb / Bal gomb / Lewy przycisk / Buton stang / Lavé tlačidlo
- 16 Schedule period**
Časový úsek rozvrhu / Vremenski raspored / Időprogram / Időprogram / Ustawienia Harmonogramu / Perioada de programare / Perioada rozvrhu
- 17 Day**
Den / Dan / Nap / Dzień / Zia / Deň

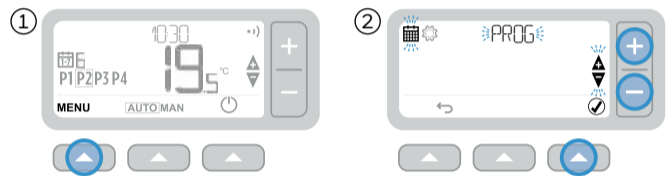
2 Default Schedule

Výchozí rozvrh / Zadani raspored / Alapértelmezett időprogram / Harmonogram domyślny / Program implicit / Predvolený rozvrh

	P1	P2	P3	P4	P5	P6
Mo-Fr	06:30 21°C	08:00 16°C	12:00 21°C	14:00 16°C	18:00 21°C	22:30 16°C
Sa-Su	6:30 21°C	9:00 18°C	12:00 21°C	14:00 18°C	18:00 21°C	23:00 16°C

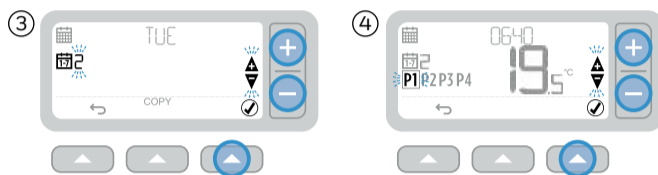
Adjusting the Schedule

Úprava rozvrhu / Uređivanje rasporeda / Időprogram módosítása / Dostosowywanie harmonogramu / Modificarea programului / Nastavenie rozvrhu



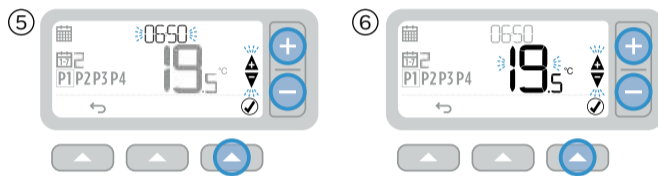
Press MENU
Stiskněte tlačítko MENU
Pritisnite MENU
Nyomja meg a MENU gombot
Nacisnąć MENU
Aparati MENU
Stlače tlačidlo MENU

Select PROG then confirm
Vybte možnost PROG a potvrďte
Odaberite PROG i potvrdite
Válassza ki a PROG lehetőséget, és erősítse meg
Wybrać PROG i potwierdzić
Selectati PROG, apoi confirmati
Vybte PROG a potvrďte



Select day then confirm
Vybte den a potvrďte
Odaberite dan i potvrdite
Válassza ki a napot, és erősítse meg
Wybrać dzień i potwierdzić
Selectati ziua, apoi confirmati
Vybte deň a potvrďte

Select period then confirm
Vybte období a potvrďte
Odaberite razdoblje i potvrdite
Válassza ki az időszakot, és erősítse meg
Wybrać okres i potwierdzić
Selectati perioada, apoi confirmati
Vybte periódu a potvrďte

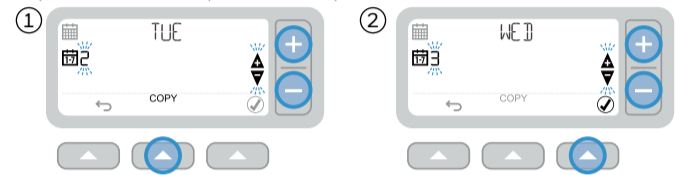


Adjust time then confirm
Upravte čas a potvrďte
Namjestite vrijeme i potvrdite
Módosítsa az időt, és erősítse meg
Ustawić godzinę i potwierdzić
Setati ora, apoi confirmati
Nastavte čas a potvrďte

Adjust temperature then confirm
Upravte teplotu a potvrďte
Postavite temperaturu i potvrdite
Módosítsa a hőmérsékletet, és erősítse meg
Ustawić temperaturę i potwierdzić
Setati temperatura, apoi confirmati
Nastavte teplotu a potvrďte

Copy Day

Zkopirování dne / Kopiranje dana / Nap másolása / Kopiowanie dnia / Copiati ziua / Kopirovanie dňa

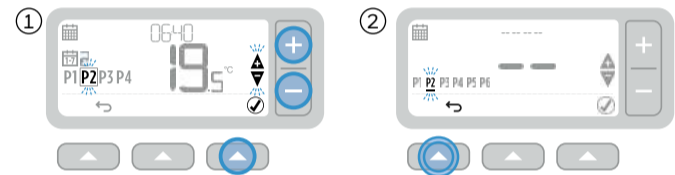


Select day then COPY
Vybte den a možnost KOPÍROVAT
Odaberite dan, a zatim pritisnite COPY
Válassza ki a napot, majd a COPY lehetőséget
Wybrać dzień i nacisnąć KOPIUJ
Selectati ziua, apoi COPY
Vybte deň a stlače COPY

Select "TO" day then confirm
Vybte možnost „DO“ dne a potvrďte
Pritisnite lijevi gumb tri sekunde
Válassza ki a záró napot, és erősítse meg
Wybrać dzień „DO“ i potwierdzić
Selectati ziua „TO“, apoi confirmati
Vybte deň do ktorého kopirovať „DO“ a potvrďte

Delete period

Odstranění časového úseku / Brisanje razdoblja / Időszak törlése / Usunąć okresu / Stergeti perioada / Odstrániť periódu



Select period
Vybte časový úsek
Odaberite razdoblje
Időszak kijelölése
Wybrać okres
Selectati perioada
Zvolte periódu

Hold Left button for 3sec
Podržte levé tlačítko po dobu 3 sekund
Pritisnite lijevi gumb tri sekunde
Tartsa nyomva 3 mp-ig a Bal gombot
Nacisnąć i przytrzymać lewy przycisk przez 3 sekundy
Tineti butonul stang apasat 3sec
Stlače ľavé tlačidlo na 3 sekundy

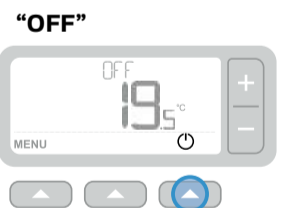
3 Device Modes

Režimy zařízení / Načini rada uređaja / Üzem módok / Tryby pracy urządzeń / Modulile echipamentului / Režimy zariadenia



“AUTO”
Programmed schedule is followed
Dodrží se naprogramovaný rozvrh
Primjenjuje se programirani raspored
A rendszer a beprogramozott időprogramot veszi figyelembe
Realizacja zaprogramowanego harmonogramu
Functionare conform programului setat
Dodržiava sa naprogramovaný rozvrh

“MAN”
Only set temperature is followed
Dodrží se pouze nastavená teplota
Primjenjuje se samo zadana temperatura
A rendszer csak a beállított hőmérsékletet veszi figyelembe
Realizacja tylko ustawionej temperatury
Functionare conform temperaturii setate
Dodržiava sa iba nastavená teplota



“OFF”
Heating is OFF / Vytápění je VYPNUTÉ / Grijanje je ISKLJUČENO / Fűtés kikapcsolva / Ogrzewanie jest wyłączone / Incalzirea este oprita (OFF) / Vykurovanie je vypnuté

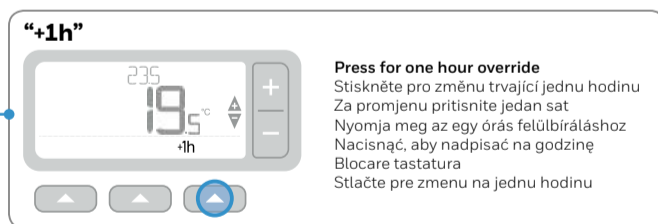
4 Temperature Override

Změna teploty / Mijenjanje temperature / Hőmérséklet felülbírlása / Nadpisywanie temperatury / Suprasciere temperatura / Zmena teploty



“AUTO”
Temporary override until next programmed period
Dočasná zmena trvajúci do ďalšieho naprogramovaného časového úseku
Prívetmena promjena sljedećeg programiranog vremenskog razdoblja
Ideiglenes felülbírlás a következõ beprogramozott időszakig
Tymczasowe nadpisanie do następnego zaprogramowanego okresu
Suprasciere temperatura pana la urmatoarea perioada programata
Dočasná zmena do najbližšej naprogramovanej periódy

“MAN”
Permanent override until manually changed
Trvalá zmena trvajúci do doby, než bude ručne zmeneno
Trajna promjena sve dok se ne promijeni ručno
Tartós felülbírlás a manuális visszaállításig
Trvale nadpisanie do momentu rečnej zmeny
Suprasciere temperatura pana la modificare manuala
Trvalá zmena trvajúca dovtedy, kým sa manuálne nezmení



Press for one hour override
Stiskněte pro změnu trvající jednu hodinu
Za promjenu pritisnite jedan sat
Nyomja meg az egy órás felülbírláshoz
Nacisnąć, aby nadpisać na godzinę
Blocare tastatura
Stlače pre zmenu na jednu hodinu

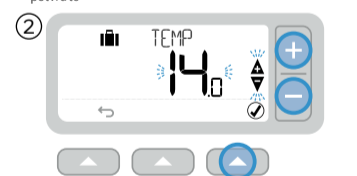
5 Holiday Mode

Prázdninový režim / Tryb wakacyjny / Način za praznike / Nyaralás mód / Tryb wakacyjny / Mod de vacanță / Prázdninový režim



Press MENU, Select AWAY then confirm
Pritisnite tlačítko MENU, vyberte položku AWAY a pak potvrďte
Pritisnite gumb MENU, odaberite AWAY, a zatim potvrdite
Nyomja meg a MENU gombot, majd válassza az AWAY lehetőséget, majd erősítse meg
Nacisnij MENU, wybierz AWAY, a następnie potwierdź
Apasati butonul MENU, selectati AWAY, apoi confirmati
Stlače tlačidlo MENU, vyberte položku AWAY a potom potvrďte

Adjust days then confirm
Nastavte počet dnů a pak potvrďte
Postavite broj dana i zatim potvrdite
Állítsa be a napok számát, majd erősítse meg
Ustaw liczbę dni, a następnie potwierdź
Setati numărul de zile și apoi confirmati
Nastavte počet dni a potom potvrďte



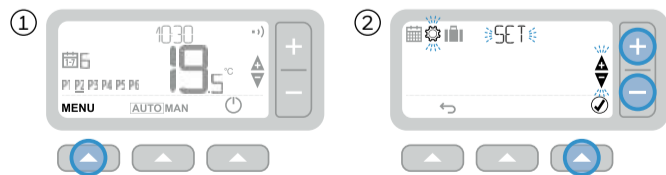
Adjust temperature then confirm
Nastavte požadovanou teplotu a pak potvrďte
Postavite željenu temperaturu i potvrdite
Állítsa be a kívánt hőmérsékletet, majd erősítse meg
Ustaw żadaną temperaturę, a następnie potwierdź
Setati temperatura dorită, apoi confirmati
Nastavte požadovanú teplotu a potom potvrďte



Press MENU, then confirm
Stiskněte tlačítko MENU a pak potvrďte
Pritisnite gumb MENU, a zatim potvrdite
Nyomja meg a MENU gombot, majd erősítse meg
Nacisnij MENU, a następnie potwierdź
Apasati butonul MENU, apoi confirmati
Stlače tlačidlo MENU a potom potvrďte

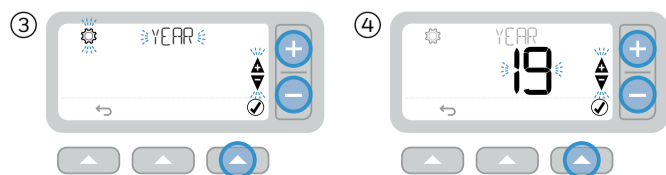
6 Date and Time

Datum a čas / Datum i vrijeme / Dátum és idő / Data i Czas / Data si ora / Datum a čas



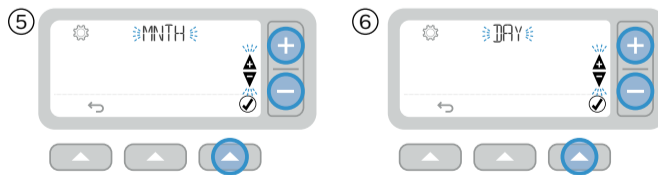
Press MENU
Stiskněte tlačítko MENU
Pritisnite gumb MENU
Nyomja meg a MENU gombot
Nacisnąć MENU
Aparati MENU
Stlače tlačidlo MENU

Select SETTINGS then confirm
Vybte možnost NASTAVENÍ a potvrďte
Odaberite SETTINGS i potvrdite
Válassza ki a SETTINGS lehetőséget, és erősítse meg
Wybrać USTAWIENIA i potwierdzić
Selectati SETTINGS (setari), apoi confirmati
Vybte NASTAVENIA a potvrďte



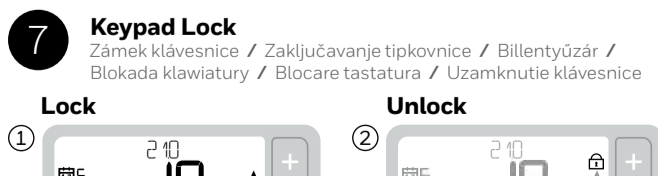
Select YEAR then confirm
Vybte možnost ROK a potvrďte.
Odaberite YEAR, a zatim potvrdite
Válassza ki az évet, és erősítse meg
Wybrać ROK i potwierdzić
Setati YEAR (anu), apoi confirmati
Vybte YEAR (ROK) a potvrďte

Set YEAR then confirm
Nastavte ROK a potvrďte
Odaberite YEAR i potvrdite
Állítsa be az évet, és erősítse meg
Ustawić ROK i potwierdzić
Setati YEAR (anu), apoi confirmati
Nastavte YEAR (ROK) a potvrďte



Set MONTH (1-12) then confirm
Nastavte MĚSÍC (1-12) a potvrďte
Postavite MONTH (1 do 12) i potvrdite
Állítsa be a hónapot (1-12), majd erősítse meg
Ustawić MIESIĄC (1-12) i potwierdzić
Setati LUNA (1-12) apoi confirmati
Vybte MONTH (MESIAC), (1-12) a potvrďte

Repeat steps to set DAY, HOUR and MINUTE
Opakujte tento krok pro nastavení DNE, HODIN a MINUT
Ponovite korake da biste postavili DAN, SATI i MINUTE
Ismétlje meg a lépéseket a nap, óra és perc beállításához
Powtórzyc kroki, aby ustawić DZIEŃ, GODZINĘ i MINUTĘ
Repetati pașii pentru a seta ZI, ORA și MINUT
Zopakujte kroky pre nastavenie DEN (DAY), HODINA (HOUR) a MINUTA (MINUTE)



Lock
Stiskněte pro zámek klávesnice / Tritisnite gumb za zaključavanje tipkovnice / Billentyűzár / Blokada klawiatury / Blocare tastatura / Uzamknutie klávesnice

Unlock
Stiskněte pro odemknutí klávesnice / Tritisnite gumb za otključavanje tipkovnice / Billentyűzár / Blokada klawiatury / Blocare tastatura / Uzamknutie klávesnice

8 Troubleshooting

Řešení problémů / Rješavanje problema / Hibaelhárítás / Rozwiązywanie problemów / Depanare / Riešenje problémov

10% battery power
Nabití baterie 10% / Punjenje baterije 10% / 10%-os elemfeszültség / 10% naładowania baterii / Putere baterie 10% / Batéria nabitá na 10%

Battery critical low
Kriticky nízký stav baterie / Kritično niska razina baterije / Kritikus elemfeszültség / Krytyczny poziom naładowania baterii / Putere baterie foarte scazute / Kriticky nizky stav batérie

Faulty sensor
Vadné čidlo / Neispravan senzor / Hibás érzékelő / Wadliwy czujnik / Senzor defect / Chybný snímač

Wireless Signal Loss (T3R Only)
Ztráta bezdrátového signálu (pouze model T3R) / Gubitak bežičnog signala (samo T3R) / Vezeték nélküli jel elvesztése (csak T3R) / Utrata sygnału bezprzewodowego (tylko T3R) / Pierderea semnal wireless (numai la T3R) / Strata beždróťového signálu (iba T3R)



www.resideo.com

livewell.honeywellhome.com

BI-electronic GmbH
Hardweg 40
74821 Mosbach
Germany

Country of origin: UK



T3 WIRED PROGRAMMABLE THERMOSTAT

EN Quick Start Installation Guide
NL Installatiehandleiding
FR Guide d'installation rapide
DE Kurzinstallationsanleitung
IT Guida rapida all'installazione
ES Guía de instalación rápida
PT Guia de instalação rápida

p2 = CZ HR HU PL RO SK

Online Guides

Online instructies / Instructions en ligne / Online Anleitung / Guide online / Instrucciones Online / Instruções Online

<http://hwllhome.co/eu-T3>



Must be installed by a competent person. To ensure your safety make sure the mains power is switched OFF before accessing wiring.

Dient te worden geïnstalleerd door een hiervoor opgeleid persoon. Zorg voor uw veiligheid en schakel de hoofdstroom UIT vóór u begint aan de bedrading.

L'installation doit être réalisée par une personne compétente. Par mesure de sécurité, assurez-vous que l'alimentation électrique générale est coupée avant de toucher à un câble.

Muss von Fachpersonal installiert werden. Zu Ihrer eigenen Sicherheit die Stromversorgung ABSCHALTEN, bevor die Kabel angeschlossen werden.

L'installazione deve essere eseguita da una persona qualificata. Per la vostra sicurezza verificare che la rete elettrica sia staccata prima di accedere al cablaggio.

La instalación debe ser realizada por personal cualificado. Par garantizar su seguridad, asegúrese de que la corriente esté DESCONECTADA antes de acceder a los cables.

A instalação deve ser feita por pessoal qualificado. Para garantir a sua segurança, verifique se a corrente está DESCONECTADA antes de aceder aos cabos.



To prevent a short circuit from a loose wire:

- **Multi-core cables:** Only remove enough outer insulation to allow secure fixing of the cores into the terminal block.
- **Single core cables:** Secure them together with a cable tie as close as possible to the terminal block.

Vermijd kortsluiting door een losse draad:

- **Bij gebruik van kabels met meerdere aders:** Verwijder niet meer isolatie dan nodig zodat de aders stevig vastgeklemd zitten in het aansluitblok.
- **Bij gebruik van kabels met enkele ader:** Houd ze samen met een kabelbinder, zo dicht mogelijk bij het aansluitblok.

Pour éviter qu'un fil dénudé ne soit à l'origine d'un court-circuit:

- **Si vous utilisez des câbles multibrins :** Ne dénudez le câble que sur la longueur requise pour que les brins puissent être solidement fixés dans le bornier.
- **Si vous utilisez des câbles monobrins :** Liez-les ensemble au moyen d'un collier, aussi près que possible du bornier.

Um einen Kurzschluss aufgrund eines losen Kabelendes zu verhindern:

- **Bei mehradrigen Kabeln:** Nur soviel Außenisolierung entfernen, damit die Kabeladern in der Schraubklemme fixiert werden können.
- **Bei Einzeladern:** So nah wie möglich mit einem Kabelbinder an der Schraubklemme fixieren.

Per evitare un cortocircuito dovuto a un cavo lento:

- **Se si utilizzano cavi multipolari:** Rimuovere soltanto l'isolamento esterno quanto basta per permettere un fissaggio sicuro dei poli nella morsetteria.
- **Se si utilizzano cavi unipolari:** Fissarli insieme con una fascetta per cavi il più vicino possibile alla morsetteria.

Para evitar un cortocircuito debido a un cable suelto:

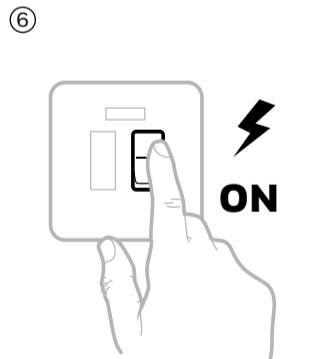
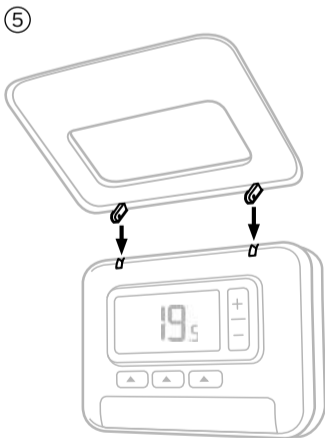
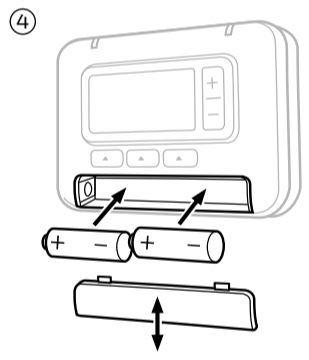
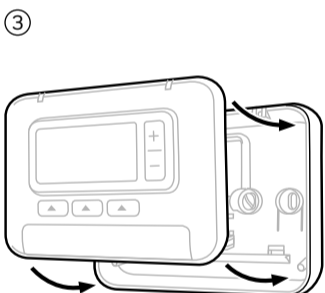
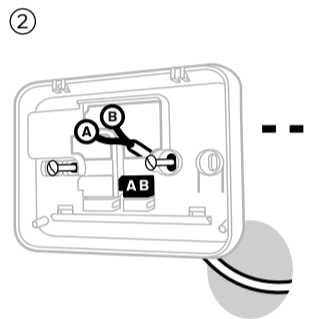
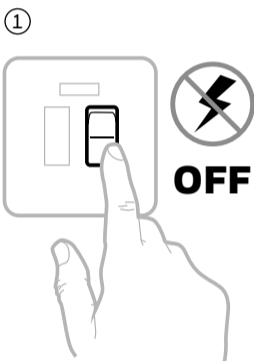
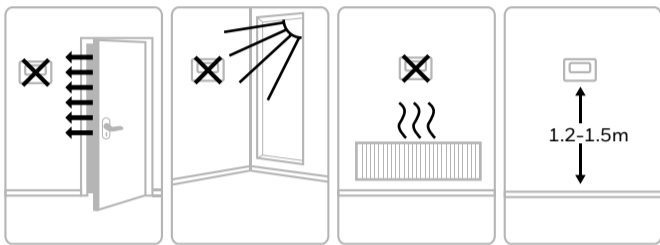
- **Al utilizar cables de múltiples conductores:** Retire solo el aislante exterior necesario para permitir la conexión segura de los conectores al bloque de terminales.
- **Al utilizar cables de un conductor:** Asegure los cables con una brida para cables lo más cerca posible del bloque de terminales.

Para evitar um curto-circuito devido a um cabo solto:

- **Ao usar cabos multicondutores:** Remova apenas o isolamento externo necessário para permitir a conexão segura dos conectores ao bloco de terminais.
- **Ao usar cabos de um condutor:** segure o cabos com uma braçadeira de cabo o mais próximo possível do bloco de terminais.

1 Install the Thermostat

Installeer de thermostaat / Installer le thermostat / Installieren Sie den Thermostat / Installa il termostato / Instale el termostato / Instale o termóstato

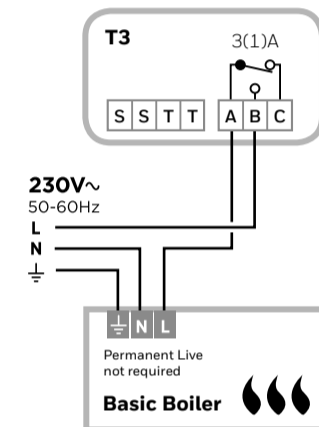


2 Wiring

Wiring / Bedrading / Câblage / Verdrahtung / Cablaggio / Cableado / Cablagem

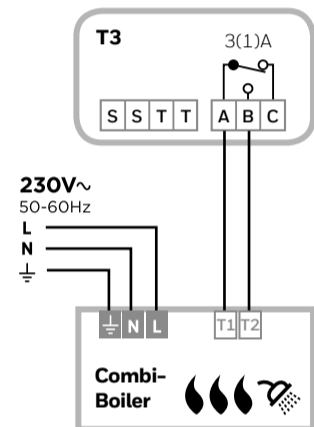
On/off boiler (230V)

Aan/uit cv-ketel
 Chaudière classique
 Heizkessel OHNE Steuereingang
 Caldaia base
 Caldera sin contacto para termostato
 Caldeira básica



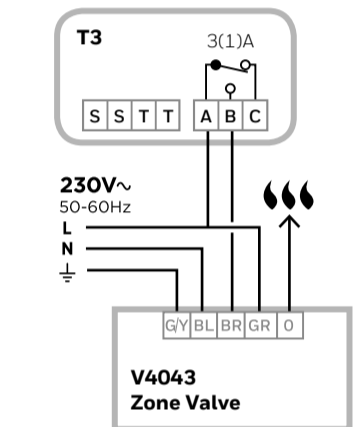
Combi boiler

Aan/uit cv-ketel
 Chaudière combinée
 Heizkessel MIT Steuereingang
 Caldaia combinata
 Caldera con contacto para termostato
 Caldeira mista



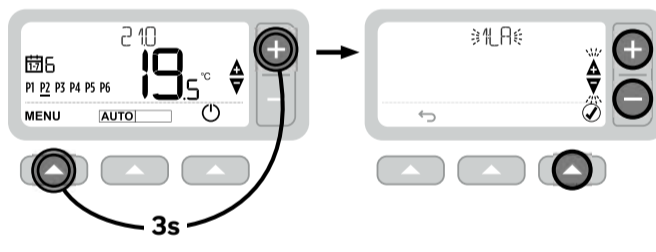
2-Port Zone Valve

2 & 3-wegzoneklep
 Vanne de zone 2 ports
 Durchgangs-Zonenventil
 Valvola di zona a 2 vie
 Válvula de zona de 2 vías
 Válvula de zona de 2 vias



3 Parameters

Parameters / Paramètres / Parameter / Parametri / Parámetros / Parâmetros



No	Description	Default	Settings
1LA	Language / Taal / Langue / Sprache / Lingua / Idioma / Língua	1	1= EN, 2=NL, 3=FR, 4=DE, 5=IT, 6=ES, 7=PT, 8=CZ, 9=HU, 10=PL, 11=RO, 12=SK, 13=HR
2CR	Cycle Rate / Snelheidverwarmingscyclus / Cycle de chauffage / Aufheiz-Zyklusrate / Frecuencia ciclo de riscaldamento / Frecuencia dos ciclos	6	1, 3, 6, 9, 12
3OT	Min. On Time / Min. per tijdsduur / Durée minimale de marche / Min. Einschaltzeit / Tempo mínimo de accensione / Tiempo mínimo de encendido / Tempo mínimo de ignição	1	1-5min
4LL	Lower Limit / Laagste temperatuurlimiet / Limite inférieure / Untere Temperaturgrenze / Limite inferiore / Limite inferior / Limite inferior	5	5-21°C
5UL	Upper Limit / Hoogste temperatuurlimiet / Limite supérieure de / Obere Temperaturgrenze / Limite superiore / Limite superior / Limite superior	35	21-35°C
6SO	Schedule / Programmeeropties / Options de programme / Zeitplan-Optionen / Programmazione / Programação	1	1 = 7 Day / Dag / Jour / Tag / Giorno / Dia / Dia 2 = 5+2
9LC	Fail Safe / Failsafe modus / Mode Sécurité / Störungssicherer Modus / Modalità di autoprotezione / Modo a prueba de fallo / Modo de segurança contra falhas	0	0 = Disabled / Deactiveren / Désactivé / Deaktiviert / Disattivare / Desactivado / Desativado 1 = Enabled / Activeren / Activé / Aktivieren / Attivare / Activado / Ativado

No	Description	Default	Settings
10BL	Backlight / Achtergrondverlichting / Rétroéclairage / Hintergrundbeleuchtung / Retroilluminazione / Retroiluminación / Retroiluminação	1	0 = Disabled / Deactiveren / Désactivé / Deaktiviert / Disattivare / Desactivado / Desativado 1 = Enabled / Activeren / Activé / Aktivieren / Attivare / Activado / Ativado
11CL	Clock / Tjdaanduiding / Format horaire / Uhrzeitformat / Formato orologio / Formato del reloj / Formato do relógio	0	0 = 24h 1 = 12h
12DS	Daylight Saving / Zomer-/wintertijd / Heure d'été / So-/Wi-Zeitumstellung / Ora legale / Cambio de hora en horario de verano / Hora de verão	1	0 = Disabled / Deactiveren / Désactivé / Deaktiviert / Disattivare / Desactivado / Desativado 1 = Enabled / Activeren / Activé / Aktivieren / Attivare / Activado / Ativado
13TO	Temp. Offset / Afwijking temperatuurweergave / Calibrage sonde / Offset für Temperaturanzeige / Offset temperatura / Compensación de temperatura en pantalla / Compensação de temperatura no ecrã	0	-3/+3°C
15SD	Reset Schedule / Terugzetten standaardprogrammering / Réinitialisation programmation / Standard-Zeitplaneinstellungen wiederherstellen / Ripristina programmazione / Restaurar programação / Restaurar programação	0	0 1 = Reset / Resetten / Réinitialisation / Zurücksetzen / Ripristina / Restaurar / Restaurar
16FS	Factory Reset / Terugzetten naar fabrieksinstellingen / Rétablissement des réglages usine / Werkseinstellungen wiederherstellen / Ripristina impostazioni di fabbrica / Restaurar valores de fábrica / Restaurar ajustes de fábrica	0	0 1 = Reset / Resetten / Réinitialisation / Zurücksetzen / Ripristina / Restaurar / Restaurar
17OP	Optimum Start / Optimale start / Départ optimisé / Einschaltoptimierung / Avvio ottimale / Arranque óptimo / Arranque ideal	0	0 = Deactivate / Deactiveren / Désactiver / Deaktiviert / Disattivare / Desactivado 1 = Optimum Start / Optimale start / Départ optimum / Optimaler start / Avvio ottimale / Arranque óptimo / Arranque ideal
19LK	Lock Options / slot opties / options de verrouillage / Sperr Optionen / Opzioni di blocco / Opciones de bloqueo / Opções de bloqueio	1	1 = Partial / Deels / Partiel / Teilweise / Parziale / Bloq parcial / Parcial 2 = Full / Volledig / Totalemt / Vollständig / Completo / Bloq total / Total

EN Conforms to protection requirements of the following directives: EMC: 2014/30/EU, LVD: 2014/35/EU. The full text of the EU Declaration of Conformity is available at the following Internet address: <http://hwllhome.co/DoC>
WEEE Directive 2012/19/EU At the end of the product life, dispose of the packaging and product in a corresponding recycling centre. Do not dispose of the unit with the usual domestic refuse. Do not burn the product.

NL Bk-electronic GmbH verklaart hierbij dat deze T3 Thermostat voldoet aan de essentiële vereisten en andere relevante voorschriften van de richtlijn 2014/53/EU. De volledige tekst van de verklaring van overeenstemming EU is beschikbaar op het volgende internetadres: <http://hwllhome.co/DoC>
EEA richtlijn 2012/19/EU Breng het product en de verpakking aan het einde van de levenscyclus naar het hiertoe bestemde milieupark. Het apparaat niet bij het gewone huisvuil zetten. Het product niet verbranden.

FR Bk-electronic GmbH déclare ici que ce T3 Thermostat est conforme aux exigences essentielles et dispositions concernées de la Directive 2014/53/EU. Le texte intégral de la déclaration de conformité de l'UE est disponible à l'adresse Internet suivante: <http://hwllhome.co/DoC>
DEEE Directive 2012/19/EU À la fin de la vie du produit, déposez-le, ainsi que son emballage, dans un centre de recyclage. Ne vous débarrassez pas du produit comme s'il s'agissait d'ordures ménagères. Ne jetez pas le produit dans un feu.

DE Bk-electronic GmbH erklärt hiermit, dass das T3 Thermostat mit den grundlegenden Anforderungen und sonstigen einschlägigen Bestimmungen der Richtlinie 2014/53/EU übereinstimmt. Der ist unter folgenden Internetadresse verfügbar: <http://hwllhome.co/DoC>
EEAG-Richtlinie 2012/19/EU Am Ende des Produktlebenszyklus die Verpackung und das Produkt in einem entsprechenden Wertstoffhof entsorgen. Das Produkt nicht im normalen Haushaltsmüll entsorgen. Das Produkt nicht verbrennen.

IT Con la presente, Bk-electronic GmbH, dichiara che questo T3 Thermostat è conforme ai requisiti fondamentali e ad altre disposizioni pertinenti della Direttiva 2014/53/EU. Il testo integrale della dichiarazione di conformità CE è disponibile al seguente indirizzo internet: <http://hwllhome.co/DoC>
Direttiva RAEE 2012/19/EU Al termine del ciclo di vita del prodotto, smaltire l'imballaggio e il prodotto stesso presso un centro di raccolta per il riciclaggio appropriato. Non smaltire l'unità insieme ai normali rifiuti domestici. Non bruciare il prodotto.

ES Por el presente documento, Bk-electronic GmbH declara que este T3 Thermostat cumple los requisitos esenciales y otras provisiones relevantes de la Directiva 2014/53/EU. El texto completo de la Declaración de conformidad de la UE está disponible en la siguiente dirección de Internet: <http://hwllhome.co/DoC>
Directiva WEEE 2012/19/EU Al final de la vida del producto, elimine a embalaje e el producto en el correspondiente centro de reciclado. No deseché la unidad con los residuos domésticos normales. No quemé el producto.

PT Através deste documento, Bk-electronic GmbH declara que este T3 Thermostat atende aos requisitos essenciais e outras disposições relevantes da Diretiva 2014/53/EU. O texto completo da declaração de conformidade da UE está disponível no seguinte endereço da Internet: <http://hwllhome.co/DoC>
Directiva WEEE 2012/19/EU No final da vida do produto, elimine a embalagem e o produto no centro de reciclagem específico. Não descarte a unidade com o lixo doméstico normal. Não queime o produto.

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www.resideo.com

Bk-electronic GmbH
 Hardofweg 40
 74821 Mosbach
 Germany

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(EU) 811/2013



T3 WIRED PROGRAMMABLE THERMOSTAT

- EN Quick Start Installation Guide
- HR Stručna priručnik za postavljanje
- HU Gyors telepítési útmutató
- PL Skrócona instrukcja instalacji
- RO Ghid de instalare rapidă
- SK Stručná príručka na inštaláciu

Online Guides
 Online priručce / Mrežni priručnik / Ghiduri online /
 Przewodniki online / Ghiduri online / Online Spriveodca



<http://hwllhome.co/eur-t3>

Instalaci musí provádět pouze kvalifikovaná osoba. K zajištění bezpečnosti je před manipulací s kabelem nutné vypnout hlavní přívod elektrické energie.

Postavljajte smnje izvoditi samo kvalificirano osobije osoba. Radi sigurnosti prije rukovanja kablom isključite glavni kabeL za napajanje.

A beüzemlést csak szakképzett személy végezheti. A biztonságga érdekében győződjön meg róla, hogy megfelelően áramtalanított a vezetékek bekötése előtt.

Instalacja musi być wykonywana przez wykwalifikowaną osobę. Ze względów bezpieczeństwa nie wolno manipulować okablowaniem przed odłączeniem urządzenia od zasilania.

Dispozitivul trebuie instalat de o persoană calificată. Pentru siguranța dvs., aveți grijă ca alimentarea cu energie electrică să fie OPRTĂ înainte să umblați la fire.

Instaláciu smie vykonať iba kvalifikovaná osoba. Zabezpečte svoju bezpečnosť a pred manipuláciou s káblami a elektrickým zariadením sa uistite, že je sieťové napájanie vypnuté.

Must be installed by a competent person. To ensure your safety make sure the mains power is switched Off before accessing wiring.

To prevent a short circuit from a loose wire:
Multi-core cables: Only remove enough outer insulation to allow secure fixing of the cores into the terminal block.

Single core cables: Secure them together with a cable tie as close as possible to the terminal block.

Wprzpadku kabli jednożyłowych: Połączyc je razem za pomocą opaski kablowej jak najbliżej zespołu zacisków.

Wprzpadku kabli wielożyłowych: Zsunąć zewnętrzny izolację tylko na tyle, by solidnie przymocować żyły do styków w zespołu zacisków.

Abby nedostoj ke skrzau zpusobemnu volnym kablom:
Wczotkové kabely: Odstráňte jen tolik vnější izolace, abyste mohli jádru kabelu bezpečně upravit ke svorkovnici.

Wstaniemenski kabeL: Uklonite odgovarajući dio izoliranog dijela kako biste sigurno pričvrstili jezgru kabela na priključni blok.

Jednožilni kabeL: Pričvrstite ih stezaljke kabela što bliže priključnom bloku.

A kizautú vezetékéL miát feltépő rövidzárlat elkerüléséhez:
Többes kábelék: Csak annyit külső szigetelést távolítson el, hogy az ereket biztonságosan tudja rögzíteni a sokkapocshoz.

Egyres kábelék: Rögzítse őket egymáshoz egy kábelkötőegyelővel a lehető legközelebb a sokkapocshoz.

Zabráte skratu způsobemnu volným vodičom:
Wprzpadku kabli wielożyłowych: Zsunąć zewnętrzny izolację tylko na tyle, by solidnie przymocować żyły do styków w zespołu zacisków.

Wprzpadku kabli jednożyłowych: Połączyc je razem za pomocą opaski kablowej jak najbliżej zespołu zacisków.

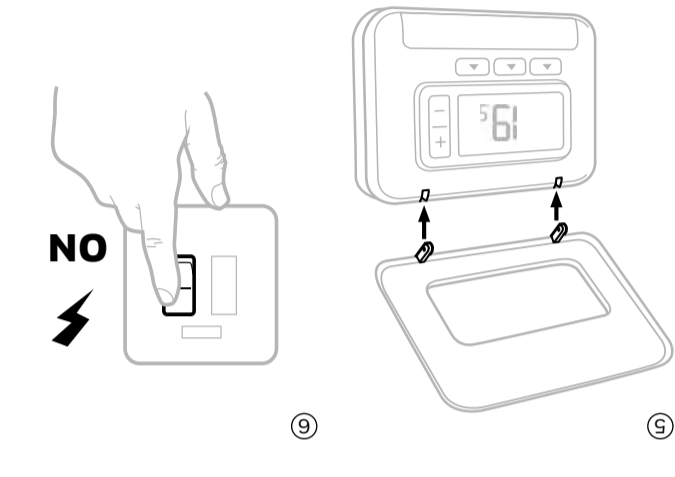
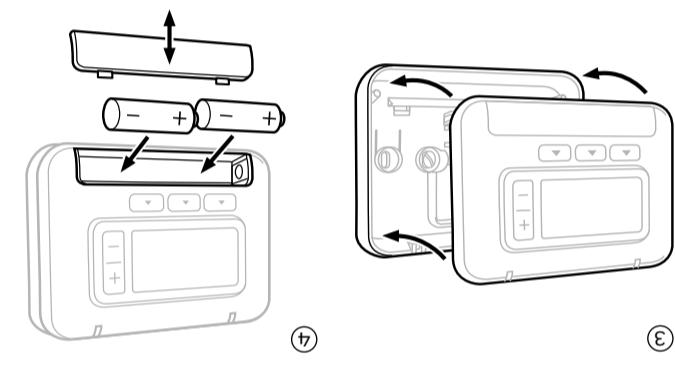
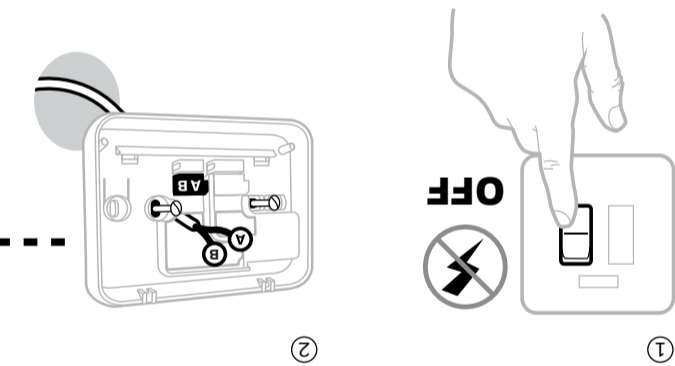
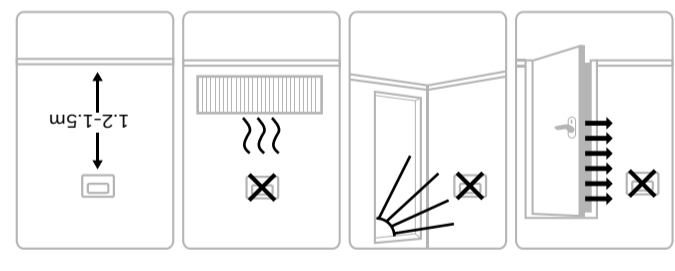
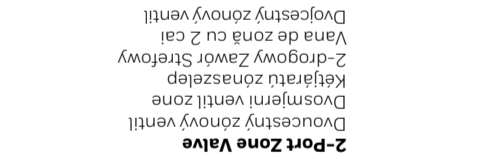
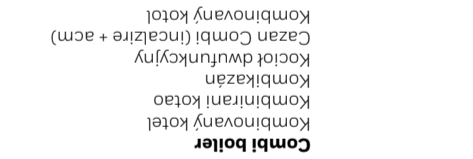
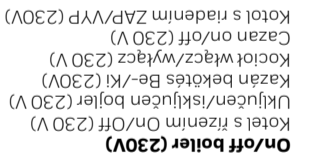
Wstaniemenski kabeL: Uklonite odgovarajući dio izoliranog dijela kako biste sigurno pričvrstili jezgru kabela na priključni blok.

Jednožilni kabeL: Pričvrstite ih stezaljke kabela što bliže priključnom bloku.

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Egyres kábelék: Rögzítse őket egymáshoz egy kábelkötőegyelővel a lehető legközelebb a sokkapocshoz.

2 Wiring Zapojeni / Električni vodovi / Vezetékezés / Okablanie / Zapojenie



No	Description	Default Settings
1LA	Language / Jazyk / Язык / Nyelv / Język /	1-EN, 2-NL, 3-FR, 4-DE, 5-IT, 6-ES, 7-PT, 8-CZ, 9-HU, 10-PL, 11-RO, 12-SK, 13-HR
2CR	Cycle Rate / Pocer cyklu / Broj ciklusa /	1, 3, 6, 9, 12
3OT	Min On time / Minimalni čas zapnuti /	1-5min
4LL	Lower Limit / Dohny limit / Donja granica /	5-21 °C
5UL	Upper Limit / Horni limit /	21-35 °C
6SO	Schedule / Rozvrh / Raspored /	1-7 Day / Den / Nap / Dien / Den / Zi
9LC	Fail Safe / Zabezpečení proti vypadku /	0-Disabled / Zákazano / Zabránen /

EN Conforms to protection requirements of the following directives: LVD 2014/35/EU, EMC 2014/30/EU, ErP 2014/30/EU. The full text of the EU Declaration of Conformity is available at the following internet address: <http://hwllhome.co/Doc>

CZ Vyhovuje požadavkům na ochranu následujícími směrnice: LVD 2014/35/EU, EMC 2014/30/EU, ErP 2014/30/EU. Plný text prohlášení o shodě jsou dostupné na následující internetové adrese: <http://hwllhome.co/Doc>

HR Udovoljava zahtjevima zaštite skladnosti naznači na sljedeći sukladnosti internetovym: <http://hwllhome.co/Doc>

PL Zgodny z wymaganiami bezpieczeństwa następujących dyrektyw: LVD 2014/35/EU, EMC 2014/30/EU, ErP 2014/30/EU. Pełny tekst deklaracji zgodności adresem internetowym: <http://hwllhome.co/Doc>

RO Este conform cu cerințele de protecție ale următoarelor directive: LVD 2014/35/EU, EMC 2014/30/EU, ErP 2014/30/EU. Textele complete ale Declarației de Conformitate UE sunt disponibile la următoarea adresă de internet: <http://hwllhome.co/Doc>

SK V súlade s požadavkami na ochranu podľa nasledujúcich smerníc: LVD 2014/35/EU, EMC 2014/30/EU, ErP 2014/30/EU. Úplné znenie vyhlásenia o zhode EÚ k dispozícii na internetovej adrese: <http://hwllhome.co/Doc>

SM Na konci životnosti výrobku likvidovat obal a výrobek v Smernice WEEE 2012/19/EU

HR Nakon završetka vijeka proizvoda izbaciti u odgovarajuću reciklažnu centru. Ne baciti u opće namjenu otpad. Ovo je upozorenje na opasnost od ozbiljne štete na okolišu.

PL Po upływie okresu ważności produktu należy złożyć go do odpowiedniego punktu recyklingu. Nie wolno wyrzucać go do zwykłego odpadów.

RO Nu duți foc produsului. După ce ai terminat de utilizare produsul, duceți ambalajul la stații de colectare a deșeurilor electrice. Nu aruncați aparatul în natură.

SK Vybavok nespôlôv. Na konci životnosti výrobku likvidovat obal a výrobek v Smernice WEEE 2012/19/EU

EN At the end of the product life cycle, dispose of the packaging and product in a corresponding recycling centre. Do not dispose of the unit with the usual domestic refuse. Do not burn the product.

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19LK Lock Options / Možnosti uzamčení /

17OP Optimum Start /

16FS Factory Reset /

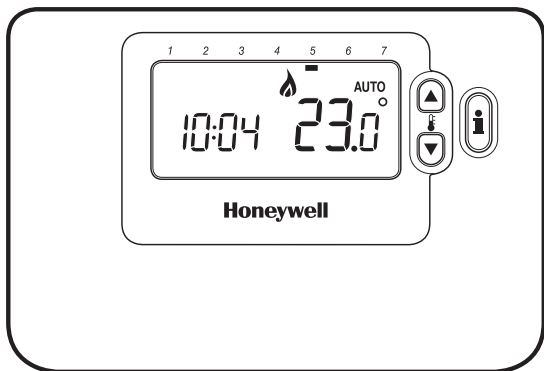
15SD Reset Schedule /

13TO Temp. Offset /

12DS Daylight Saving /

11CL Clock /

10BL Backlight /



CM707

Programmable Room Thermostat with
Optimum Start, Optimum Stop and Delayed Start

User Guide

An explanation for householders...

A programmable room thermostat is both a programmer and a room thermostat. A programmer allows you to set 'On' and 'Off' time periods to suit your own lifestyle. A room thermostat works by sensing the air temperature, switching on the heating when the air temperature falls below the thermostat setting, and switching it off once this set temperature has been reached.

So, a programmable room thermostat lets you choose what times you want the heating to be on, and what temperature it should reach while it is on. It will allow you to select different temperatures in your home at different times of the day (and days of the week) to meet your particular needs.

Turning a programmable room thermostat to a higher setting will not make the room heat up any faster. How quickly the room heats up depends on the design of the heating system, for example, the size of boiler and radiators.

Neither does the setting affect how quickly the room cools down. Turning a programmable room thermostat to a lower setting will result in the room being controlled at a lower temperature, and saves energy.

The way to set and use your programmable room thermostat is to find the lowest temperature settings that you are comfortable with at the different times you have chosen, and then leave it alone to do its job. The best way to do this is to set low temperatures first, say 18°C, and then turn them up by one degree each day until you are comfortable with the temperatures. You won't have to adjust the thermostat further. Any adjustments above these settings will waste energy and cost you more money.

If your heating system is a boiler with radiators, there will usually be only one programmable room thermostat to control the whole house. But you can have different temperatures in individual rooms by installing thermostatic radiator valves (TRVs) on individual radiators. If you don't have TRVs, you should choose a temperature that is reasonable for the whole house. If you do have TRVs, you can choose a slightly higher setting to make sure that even the coldest room is comfortable, then prevent any overheating in other rooms by adjusting the TRVs.

The time on the programmer must be correct. Some types have to be adjusted in spring and autumn at the changes between Greenwich Mean Time and British Summer Time.

You may be able to temporarily adjust the heating programme, for example, 'Override', 'Advance' or 'Boost'. These are explained in the manufacturer's instructions.

Programmable room thermostats need a free flow of air to sense the temperature, so they must not be covered by curtains or blocked by furniture. Nearby electric fires, televisions, wall or table lamps may prevent the thermostat from working properly.

Description

The Honeywell CM707 is a programmable room thermostat designed to control your heating system efficiently, providing comfortable temperatures when you are at home and energy savings when you are away. The following instructions explain how to program and use the thermostat to provide the most home comfort at the least cost.

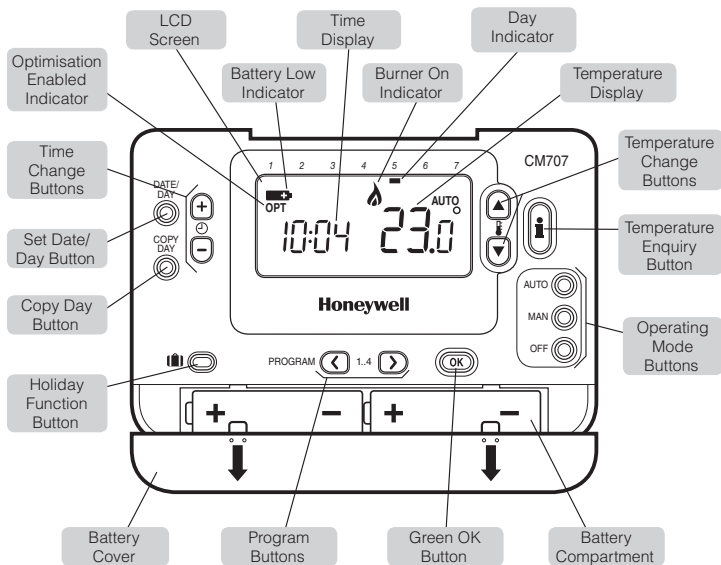
Features

- Ergonomic user interface featuring an 'OK-button'.
- Large LCD (Liquid Crystal Display) Screen with backlight.
- 7-day heating program to match your lifestyle, whilst maximising energy savings.
- 4 independent temperature levels per day (from 5°C to 35°C).
- Holiday button saves energy by letting you reduce the temperature for 1 to 99 days.
- Automatic Summer/Winter Time Change.
- Optimum start, optimum stop and delayed start to enhance energy saving potential.
- Built-in Memory holds the user program indefinitely.

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Controls Layout



This section shows you how to setup and run the thermostat in 3 simple steps:

STEP 1: Installing the Batteries

Note: Please follow the instructions in this section only if the thermostat screen is blank (no symbols or digits are displayed). If the room temperature is already displayed move on to **Step 2: Setting the Date and Time**.

To install the Batteries:

- Lift up the front cover of the thermostat to reveal the battery cover and product controls.
- Remove the battery cover by pressing down and sliding out.
- Insert the 2 x AA LR6 Alkaline Batteries supplied with the thermostat, ensuring the correct orientation (see '**Controls Layout**' above).

- d. After a short pause the thermostat will display information on the screen and is now ready for use.
- e. Replace the battery cover by sliding it firmly back into the front of the thermostat.

STEP 2: Setting the Date and Time

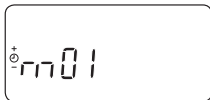
To set the Date and Time:

- a. Press the **DATE/DAY** button to begin setting the date. When you set the date for the first time after the batteries are inserted, the display will show:

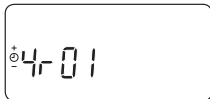


Press the \ominus \oplus or \ominus buttons to set the current day of the month (e.g. *d 01* = 1st day of the month) then press the green **OK** button to confirm.

- b. Press the \ominus \oplus or \ominus buttons to set the current month of the year (e.g. *m 01* = January) then press the green **OK** button to confirm.



- c. Press the \ominus \oplus or \ominus buttons to set the current year (e.g. *yr 13* = 2013) then press the green **OK** button to confirm.



The date is now stored and the Day Indicator will be displayed under the current day of the week (e.g. 1 = Monday, 2 = Tuesday, etc.)

- d. Use the \ominus \oplus or \ominus buttons to set the correct time then press the green **OK** button to confirm. Each press of the buttons will change the time by one minute and holding them down will change the time slowly at first and get progressively quicker.



Note: If this mode is entered accidentally then press the **AUTO**, **MAN** or **OFF** buttons to exit.

STEP 3: Running the Built-in Heating Program

The thermostat is now ready for operation. Press the **AUTO** button and the built-in heating program will start running. **Note:** The built-in heating program has been designed to provide normal comfort requirements, but if you want to customise the settings please see the next section '**Programming the CM707**'.

The Built-in Heating Program

The built-in heating program has 4 temperature level changes per day that can be set between 3.00am and 2.50am the following day - allowing you to maintain the evening temperature after midnight. Each temperature level can be set between 5°C and 35°C, and adjusted in 0.5°C increments. The factory default program for heating is as follows.

Monday to Friday (Day 1 to 5)	Period	1	2	3	4
	Time	6:30	8:00	18:00	22:30
	Temperature	20°C	16°C	20°C	14°C

Saturday & Sunday (Day 6 & 7)	Period	1	2	3	4
	Time	8:00	10:00	16:00	23:00
	Temperature	20°C	18°C	20°C	14°C

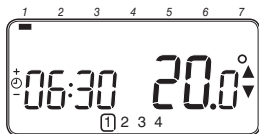
Reviewing the Heating Program

To review or edit the heating program use the **PROGRAM** (◀) or (▶) buttons to navigate between the 4 individual programming periods for that day. Use the **DATE/DAY** button to step through each day of the week, so the complete 7 day heating program can be reviewed or edited.

Modifying the Heating Program

To change the heating program:

- Press either of the **PROGRAM** (◀) or (▶) buttons to enter the programming mode. The time / temperature settings for period (1) on Monday (Day 1) will be flashing as shown. The active period is highlighted by a flashing square around the numbers at the bottom of the screen and the selected day is shown with the day indicator.
- To adjust the period start time use the (⊖) (+) or (⊕) (-) buttons, the 'OK?' indicator will be displayed to confirm the change. Holding the button down will change the time quickly.



Note: If you are pressing the (⊖) (+) or (⊕) (-) buttons and the display flashes the next period, it means the next period will be pushed forward.

- c. Once the required time is reached press the green **OK** button to confirm.

Note: *If the original time setting did not require adjustment press the green **OK** button to move to step 'd'.*

- d. The temperature setting for period **1** on Monday (Day 1) will now be flashing. To adjust this press the **▲** or **▼** buttons and confirm the setting again by pressing the green **OK** button.
- e. The next time and temperature period will now be active. Adjust this by repeating steps b - d above until all 4 periods are set for Monday or press the **AUTO** button to run the program as set, at any time.

You now have a choice of how to set the program for the next day:

- f. i) Press the **COPY DAY** button to copy Monday's program into Tuesday. The display will go blank apart from the 'non flashing' day indicator, which indicates the day copied and the 'flashing' target day to copy the program to. To accept this day press the green **OK** button. To select a different target day press the **DATE/DAY** button until the 'flashing' day indicator is under the required day, then accept it by pressing the green **OK** button. **Note:** *Once the target day is confirmed it becomes the day that is copied if the **COPY DAY** button is pressed again.*

OR

- ii) Press the **DATE/DAY** button to move the day indicator to Tuesday (Day 2). The program for that day can then be adjusted by following steps **b to e**. Programs for the remaining days can be set in the same way, using the **DATE/DAY** button to move to the next day.

To exit the programming mode select the desired operating mode by pressing the **AUTO**, **MAN** or **OFF** buttons. **Note:** *To run the adjusted program select the **AUTO** mode.*

Disabling / Enabling Time Periods



The thermostat has 4 periods each day that can be programmed, but you may not need all of these switch points for your heating requirements. Therefore, any period from 2 to 4 can be removed from (or returned to) the heating program profile.

To disable or enable time periods:

- a. To disable unwanted periods go to the desired period (**2** to **4**) using the **PROGRAM** **◀** or **▶** buttons to navigate, ensure the correct period is highlighted with the flashing square symbol. Press and hold the **⏏** button for at least 2 seconds and the display will indicate the period has been removed from the program.
- b. To enable periods again follow the same procedure as above, navigating to the already disabled period. To enable this period again press and hold the **⏏** button for at least 2 seconds.


Operating Modes

The thermostat can operate in three different modes: Automatic, Manual or Off. To set the operating mode press either of the **AUTO**, **MAN** or **OFF** buttons. The screen indicates which mode is currently active by displaying **AUTO**, **MAN** or **OFF**.






- **AUTO (automatic)** mode sets the thermostat to follow the built-in temperature program (default or personalised). Operating the thermostat in this mode is the best way to maintain a high level of temperature comfort whilst maximising your energy savings.
- **MAN (manual)** mode sets the thermostat to act as a simple thermostat with a fixed setpoint throughout the day. The setpoint can be adjusted from 5°C to 35°C by using the  or  buttons. The thermostat will continue to maintain this temperature until another operating mode or temperature is selected.
- **OFF** mode sets the thermostat to control to a minimum temperature setting of 5°C (default) that acts as a frost protection measure for your home.

Temperature Enquiry/Adjustment




• Temperature Enquiry

In **AUTO**, **MAN** and **OFF** operating modes the thermostat will display the current room temperature. To review the programmed '**target**' temperature (the temperature which the thermostat is trying to maintain) press the  button. This 'target' temperature value will be displayed flashing for 5 seconds before returning to the current room temperature value.

• Temperature Override

During normal operation (**AUTO** mode) the programmed temperature can be adjusted manually by pressing the  or  buttons or the  button. The 'target' temperature will be displayed and flash for 5 seconds - during this time the  or  buttons can be used to modify the set value. **Note:** *This temperature override is cancelled at the next programmed temperature change.*









Time Adjustment


To adjust only the time during normal operation use the  or  buttons and press the green  button again to confirm any changes.

Holiday Function

The holiday function allows you to set a constant temperature (default = 10°C) for a specified number of days (from 1 - 99 days). This lets you save energy and related costs when you are away from home, but resumes normal operation on the day of your return.

To set the Holiday function:

- Ensure the thermostat is running in **AUTO** or **MAN** operating modes.
- Press the holiday  button to display the holiday days counter and temperature setting, along with the holiday indicator .
- Press the  or  time buttons to set the holiday time (1 - 99 days) and press the green  button to confirm.
- Press the  or  buttons to set the holiday temperature (5°C - 35°C) and press the green  button to confirm.

The thermostat will now control to the new temperature for the set number of days that your home is vacant. At midnight the holiday counter will be reduced by one until the selected number of days have passed. The thermostat will then return to normal operation as set by the **MAN** or **AUTO** mode. To cancel the HOLIDAY function or to exit the function at any time press the  button a second time.

Special Features

• Display Backlight

The CM707 has a backlit display that will illuminate when a button is pressed for easier viewing of the display in low light conditions.

• SERVICE indicator (optional)

Note: This option only works if activated by your installer.

The 'SERVICE' indicator is displayed at set intervals as a reminder that your heating system requires a routine check. Please call your installer to arrange a maintenance visit.

The 'SERVICE' indicator will remain on the display of the CM707 until it is either reset or disabled by your installer. The CM707 and heating system will continue to operate as normal.



- **Automatic Summer/Winter Time Change**

The CM707 has a built-in Automatic Summer/Winter Time Change feature that will automatically adjust the clock forward or backward by one hour for 'Daylight Saving Time'. This is carried out on the last Sunday of March and October each year.

- **Optimum Start** (tick if enabled)

Optimum Start measures how quickly your system normally takes to heat up, and then calculates how far in advance it needs to switch the boiler on to reach the comfort temperature at the programmed time.

This setting ensures the desired temperatures are reached nearer the actual programmed times, removing the need to guess how long the heating will take to warm up.

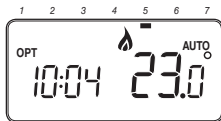
- **Delayed Start** (tick if enabled)

If you program your heating to come on early to allow it to heat up, Delayed Start will save energy by delaying the start of the boiler a little depending on the difference between the programmed temperature and the actual room temperature. When the two temperatures are close to one another the delay will be longer than when they are further apart, and in both cases will achieve the same set temperature within a similar time frame.




- **Optimum Stop** (tick if enabled)

Optimum Stop will save energy by switching the boiler off a little bit earlier than the programmed time. If the house is up to temperature, you should not notice the effect on the temperature, but you should see a difference in your energy bill.

When the Optimum Start or Optimum Stop function is enabled the "OPT" symbol will appear on the display.



Troubleshooting Guide

Symptom	Remedy
Blank Display (Power Loss).	<p>Check batteries are installed by removing the battery cover.</p> <p>Check batteries have been installed in the correct orientation.</p> <p>Replace the batteries.</p>
Display shows flashing  symbol.	<p>The batteries in the thermostat are low on power - Replace the batteries.</p>
Display shows  symbol.	<p>A fault has occurred in your heating system. Remove and re-insert the batteries.</p> <p>If the  symbol does not clear after a few minutes contact your installer.</p>
Display shows the word 'SERVICE'	<p>Your installer has set a scheduled maintenance alert period on your CM707 as a recommendation that your heating system should receive a routine inspection.</p> <p>Call your installer to arrange a maintenance visit.</p> <p>Note: <i>The CM707 and heating system will continue to operate as normal.</i></p>

Description

Carbon Monoxide alarm with replaceable 9V battery back-up. The alarm mounts onto a wiring base.

This Carbon Monoxide alarm can be interlinked with the smoke and heat alarms, 1163 and 1165 respectively.

All products must be installed by a competent person in accordance BS 7671, the latest edition of the IET Wiring Regulations.

The instructions contain important information on operation and maintenance of the Carbon Monoxide alarm. Keep this document in a safe place for future reference.

Where to Locate

Ideally, Carbon Monoxide alarms should be installed in every room containing a fuel burning appliance and as per BS 5839-6, Code of Practice for the design, installation, commissioning and maintenance of fire detection and fire alarm systems in domestic premises.

Additionally, alarms may be installed to ensure that adequate warning is given for occupants in other rooms, by locating alarms:

- In remote room in which occupants spend considerable time whilst awake.
- Near every sleeping room or area.
- In each room containing a flueless or open-fueled appliance.
- In a garage as vehicles produce carbon monoxide, any time they are running.

It is recommended that a CO alarm be installed on each level of a multilevel home.

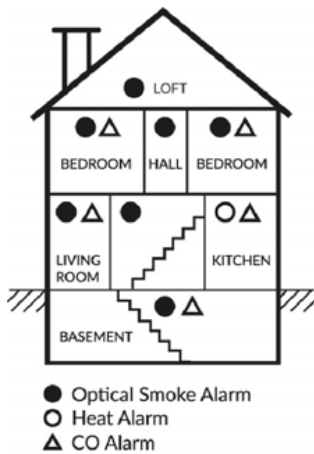


Diagram 1

Positioning of Alarms

- CO gas from fueled appliances immediately mixes with the air around it. Mounting the CO on the ceiling in the centre of the room places it closest to all points in the room. Ceiling mounting is preferred in ordinary residential dwellings.
- When mounting an alarm on the ceiling, locate it at a minimum of 500mm (20") from the side wall (See Diagram 2).

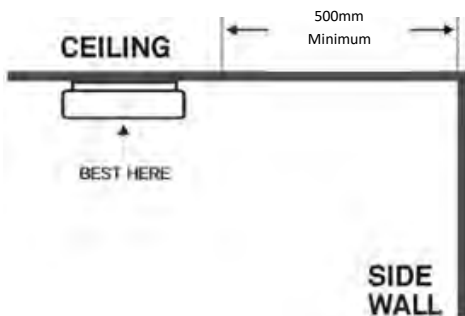


Diagram 2

- In rooms with an A shaped peaked ceiling, a sloped or cathedral ceiling, install a CO alarm between 500mm and 1500mm from the highest point of the ceiling. (See Diagram 3).

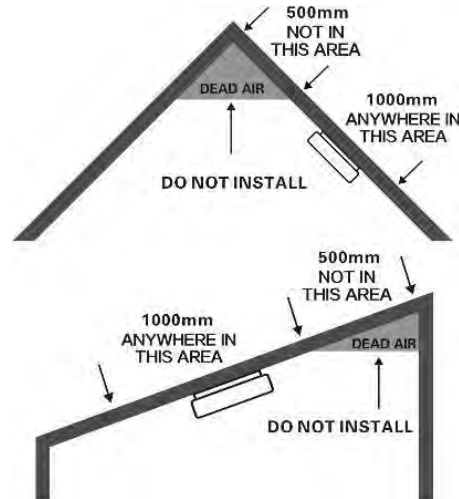


Diagram 3

- CO alarms should not be installed within 900mm (3') of the following: the door to a kitchen, the door to a bathroom containing a tub or shower, forced air supply ducts used for heating or cooling, ceiling or whole house ventilating fans, or other high air flow areas.
- CO alarms should be mounted at least 1.8m from the fuel burning appliance.

Do Not Install CO Alarms in the Following Places

- In the immediate vicinity of a fuel burning appliance.
- In an enclosed space, such as cupboard or behind a curtain.
- In an area where the temperature may fall below -10°C or rise above 40°C, such as garages and unfinished attics.
- In excessively humid areas such as bathroom.
- Next to a door, a window or an extractor fan.
- In dusty areas. Dust particles may cause nuisance alarm or failure to alarm.
- Near fluorescent lights. Electronic "noise" may cause nuisance alarms.

Important:

These alarms are primarily intended for use in single family occupancy private dwellings. In multifamily buildings, each individual living unit should have its own alarms. Do not install in non-residential buildings.

Installation

This alarm should be installed as late as possible within the schedule of works, particularly in new build properties, e.g. after decorating and making good works.

- This alarm must not be connected to any other manufacturer's alarms.
- The CO (1169) alarm is compatible with itself, Smoke (1163) and Heat (1165) alarms; and is not compatible with previous generations.

Important

The circuit powering the safety alarms must be unswitched, i.e. permanently live. The electrical supply for mains powered alarms with battery back-up, as required by BS 5839-6 Grade D systems, must:

- Be an independent circuit from the consumer unit where no other electrical equipment is connected, or
- A separately electrically protected, regularly used local lighting circuit

Also, where alarms are interlinked, they must be connected to a single circuit.

Safety Instructions

- Ensure the power supply is switched off before installation and during maintenance.
- These alarms should be installed by a competent person, e.g. a qualified electrician.
- If the alarm is incorrectly installed or tampered with, this may result in damage to the alarm, a failure in operation or an electric shock hazard.
- These alarms must be installed in accordance with the current edition of the IET Wiring Regulations BS7671 and the Code of Practice for the design, installation, commissioning and maintenance of fire detection and fire alarm systems in domestic premises BS 5839-6.
- **Important:** remove the alarm from the circuit for insulation resistance testing.

If in doubt, contact a qualified electrician.

Installation

1. Remove the dust cover.
2. Release the alarm from the base by using a screw insert into the slots and flexing outwards, see diagram. 4

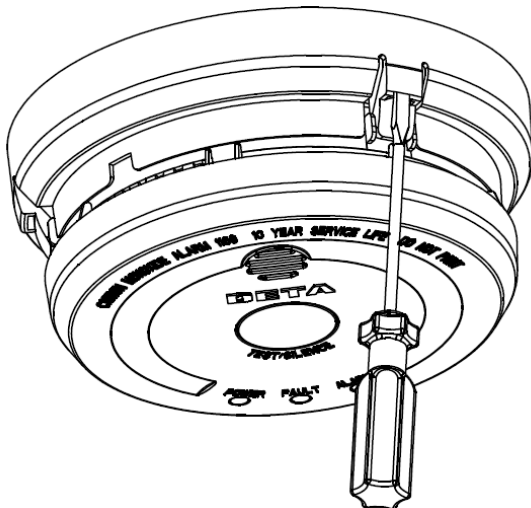


Diagram 4

3. Remove the electrical connector from the alarm by squeezing the locking arms.
4. Select the cable entry on the base and remove the cut out. Cable entry can either be through the back of the base or via surface mounted mini-trunking. Leave the gasket in place to prevent dust ingress into the alarm.
5. Mount the base in the desired location using the wall plugs and screws, as required, see diagram 5.

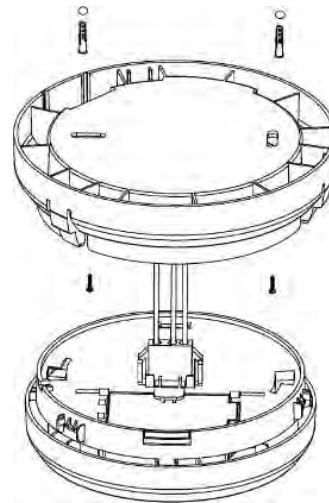


Diagram 5

6. Terminate the live, neutral and earth supply cables and interlink cable if alarms are interlinked, see diagram 6.

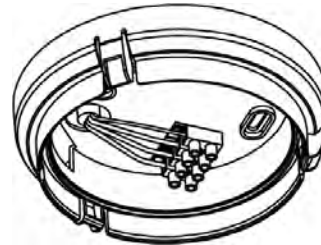


Diagram 6

L (Live):	Brown conductor
N (Neutral):	Blue conductor
E ⊕ (Earth):	Green / Yellow
I (Interlink):	Grey (if using 6243Y cable)

7. A maximum of 12 alarms can be interlinked. If more than 12 alarms are interlinked it may result in permanent damage.
8. For multiple alarm installations use three core and earth cable between all the alarms to be interlinked and connect the third core of that cable to terminal marked I. DO NOT use the earth wire for the interlink wire. This must be treated as live, i.e. insulated and sleeved.
9. Connect the battery by opening the battery cover and inserting it. Test the alarm by pressing the TEST button, see diagram 7.
10. Refit the electrical connector.

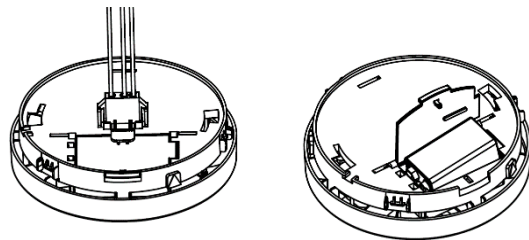
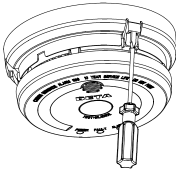
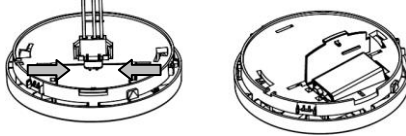
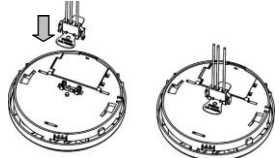


Diagram 7

11. Attached the alarm to the base
12. Replace the dust cap
13. Turning on the electrical power. The green LED should be lit when the alarm is operating from the power supply.
14. Test the alarm, including the interlink feature if more than one alarm is installed.

Important: Remove the alarm from the circuit for insulation resistance testing.

Warning: The installation of this CO alarm should not be used as a substitute for proper installation, use and maintenance of fuel burning appliances including appropriate ventilation and exhaust systems.

User Information	
Alarm Operation	What to do if the CO alarm sounds
<p>LED indicators</p> <p>Green LED: When connected to the mains supply, the alarm goes through a 40 second initialization routine. After initialization, the GREEN LED remain permanently on indicating normal operation. If GREEN LED flashes every 33 seconds, it indicates the alarm is being powered by the back-up battery.</p> <p>Red LED Flashing: When the alarm senses CO gas, it goes into alarm mode and the RED LED flashes 4 times at 5 second intervals.</p> <p>Yellow LED Flashing: Flashing once every 33 seconds approx. accompanied with a chirping sound indicates low battery warning. If flashing approximately twice every 38 seconds with two chirps, indicates a fault condition.</p> <p>Alarm Mode</p> <p>In alarm mode, the CO alarm will sound four beeps in quick succession, followed by a 5 second pause. This pattern is then repeated.</p> <p>Test/Silence Button</p> <ul style="list-style-type: none"> Use the Test/Silence button to test the alarm weekly. Please refer to "Testing the Alarm". The Test/Silence button will silence the alarm only if it is in low battery condition. The yellow LED will flash during this condition. The alarm will be silenced for up to 9 hours. To change the battery, please refer to "Replacing the Battery". <p>End of life indication</p> <ul style="list-style-type: none"> The device will give visual and audible warning when it reaches end of life (10 years). The device chirps 3 times every 33 second approx. with yellow LED flashing once. The end of life signal cannot be silenced and the device must be replaced as soon as possible. 	<p>If the CO gas is detected, the alarm will emit a series of four beeps followed by a short pause.</p> <ol style="list-style-type: none"> Alert small children in the home and quickly follow the family escape plan. Keep calm and open all doors and windows to increase the rate of ventilation. Turn off any fuel burning appliances where possible and stop using them. Evacuate the property leaving doors and windows open. Leave immediately and don't waste time getting dressed or picking up valuables. Once outside, go to your selected meeting place and make sure everyone is there. Get medical help for anyone suffering the effects of CO poisoning. Call the appropriate appliance servicing and/or maintenance agency or, where necessary, the relevant fuel supplier on their emergency number. <p>Note: When an alarm sounds, it may be difficult to determine what triggered the alarm, particularly if CO alarms are interlinked with smoke/heat alarms. Therefore, evacuate the property first, then determine the cause and take appropriate action.</p> <p>Note: The CO alarm will return to normal operating mode once the CO gas condition is cleared.</p> <p>Warning: This device alarms only on the detection of carbon Monoxide gas. If ignored, the presence of Carbon Monoxide can be fatal.</p> <p>DANGER: If the alarm sounds, and it is not being tested, it means the unit is sensing Carbon Monoxide gas, THE SOUND OF THE ALARM REQUIRES YOUR IMMEDIATE ATTENTION AND ACTION.</p> <p>Plan of Escape</p> <ul style="list-style-type: none"> It is recommended that a plan of escape is developed and practiced. A floor plan indicating doors and windows should be made and, if possible, that two routes of escape are established.
User Maintenance	
Replacing the Battery	
<p>Warning: Only use the specified batteries (see Product Specification). Use of different batteries may have detrimental effect on the alarm. It is recommended that the battery is replaced when its voltage is low.</p> <ol style="list-style-type: none"> Turn off the electrical supply to the alarms at the consumer unit/fuse box. The green power LED light will go off. To remove the alarm from the base, using a small flat blade screwdriver gently flex the locking clips on the side of the base away from the alarm. The alarm will then come away from the base. See Diagram 8.  <p style="text-align: center;">Diagram 8</p> <ol style="list-style-type: none"> To remove the electrical connector, squeeze the locking arms on the sides while pulling it away from the bottom of the alarm. See Diagram 9. After alarm has been removed, you can open the battery cover and replace with new battery. See Diagram 9.  <p style="text-align: center;">Diagram 9</p> <ol style="list-style-type: none"> After the battery is replaced, close the battery cover and test the alarm by pressing the TEST button. Reconnect the electrical connector, ensuring the orientation is correct and the locking arms snap back into place. See Diagram 10. Fit the alarm body on to the base, ensuring it clips securely into place. 	 <p style="text-align: center;">Diagram 10</p> <ol style="list-style-type: none"> Turn on the electrical supply and the green LED light will come on after the 40 second initialization routine, during which the green light flashes every 3 seconds. Test alarm by pressing the test button. The alarm will sound 4 short beeps – 5 seconds pause, and then repeat until the button is released. <p>It will then go to normal status and the Green LED will always be ON. If there is no sound output when the test button is pushed, the alarm may be defective. See the section: "Trouble Shooting".</p> <p>Caution: Test the alarm for correct operation using the test facility whenever the battery is replaced.</p> <p>Warning: Electricity is dangerous. When replacing the battery, you must make sure the electrical AC power is turned off.</p> <p>Battery</p> <ul style="list-style-type: none"> It is recommended that the battery is replaced annually. This alarm uses a 9 Volt battery. A new battery should last for at least one year under normal operating conditions. This alarm has a low battery monitor which will cause the alarm to "chirp" once and at the same time the Yellow LED flashes approx. every 33 seconds for a minimum of 7 days when the battery gets low. Replace the battery within 30 days of the first occurrence of "Low battery warning". Please refer to "Replacing the Battery". <p>Important: Do not attempt to remove the cover to clean inside. This will affect the warranty.</p>

Testing the Alarm	Important Safety Information
<p>Test the alarm to ensure proper operation.</p> <ol style="list-style-type: none"> Test alarm by pressing and holding the test button until it sounds. The alarm will sound 4 short beeps – 5 seconds pause, and then repeat until the button is released. If multiple alarms are installed within the dwelling, test each alarm. Each alarm should trigger other alarms connected within 10seconds. <p>The alarm must only be tested by pressing the Test/Silence button. Do <u>not</u> ignite combustible materials and start a fire. If no alarm sounds, the unit has a defective battery or other failure. Refer to “Trouble Shooting” section for a solution.</p> <p>Caution: Due to the loudness (85 decibels) of the alarm, always stand an arms-length always from the unit when testing. Erratic or low sound coming from your alarm may indicate a defective alarm.</p> <p>NOTE: WEEKLY TESTING IS REQUIRED</p>	<ul style="list-style-type: none"> The alarm may not alert every household member every time. The alarm horn is loud in order to alert individuals to a potential danger. However, there may be some circumstances where a household member may not hear the alarm (e.g. excessive outdoor or indoor noise, sound sleepers, drug or alcohol usage, the hard of hearing). If you suspect that this alarm may not alert a household member, install and maintain specialty alarms. The alarms have limitations. This alarm is not fool proof and is not warranted to protect lives from exposure to Carbon Monoxide. The alarms are not a substitute for insurance. Occupants should insure their lives and property. In addition, it is possible for the alarm to fail at any time. For this reason, you must test the alarm weekly and replace the unit after 10 years. Test alarm weekly to ensure proper operation by pressing the test button. Do not use any other test method. Do not paint the alarms. Check the alarms on reoccupation of the premises after a vacation.

Maintenance	Carbon Monoxide (CO) Overview
<p>Cleaning</p> <p>The alarm should be cleaned on a monthly basis as a minimum. To do this:</p> <ul style="list-style-type: none"> Turn off the electrical supply to the alarm. Use a vacuum cleaner with the soft brush to vacuum all sides and covers of alarm to remove dust, dirt, and debris. Be sure all the vents are free of debris. Use a damp cloth to clean the alarms cover. Turn the electrical supply to the alarm on. <p>Battery</p> <p>The battery should be replaced annually. See ‘Replacing the Battery’</p>	<p>Carbon monoxide (CO) is an extremely poisonous, colorless, odourless and tasteless gas released by the incomplete combustion of fossil fuels such as natural gas, bottle gas, petrol, diesel, oil, paraffin, wood, coal coke and biofuels. When inhaled, it causes chemical asphyxiation, when CO mixes with the blood and reduces the oxygen carried around the body, particularly to the brain. The following symptoms are typical to CO poisoning and should be discussed with all members of the household.</p> <p>Mild Exposure - Slight headache, nausea, fatigue (flu like symptoms). Medium Exposure - Severe throbbing headache, drowsiness and vomiting. Extreme Exposure - Unconsciousness, cardiorespiratory failure, death.</p>

Important Safety Information
<ul style="list-style-type: none"> This alarm must not be connected to any other manufacturer’s alarms. The alarm must not be exposed to dripping or splashing water. The alarms are designed to give audible warning of a dangerous levels of Carbon Monoxide. The alarms do not detect any other gas. Commonly occurring materials, vapours or gases, e.g. in cleaning fluids, polishes, paints, cooking operations may cause nuisance alarms. Major interferents are acetylene, ethyl alcohol, hydrogen cyanide, hydrogen sulfide, mercaptan, nitrogen dioxide and sulfur dioxide.

Troubleshooting		Problem		Remedy	
The green LED does not light up	<ol style="list-style-type: none"> Check electrical power supply is switched on Check electrical connector is properly connected to alarm If the problem still exists, replace the alarm 	The alarm chirps twice every 38 seconds approx. at the same time as yellow LED flashes twice and goes into fault mode	1. Clean alarm. Refer to “Maintenance”	2. If the problem still exists, replace the alarm	
Alarm does not sound when tested. Note: push test button for at least five seconds while testing!	<ol style="list-style-type: none"> Ensure that the battery and electrical connector is properly connected Clean alarm If the problem still exists, replace the alarm 	The alarm sounds intermittently or when residents are cooking, taking showers, etc. (false alarming)	1. Press test button to pause alarm	2. Open window or fan alarm	3. Clean alarm
The alarm chirps once every 33 second approx. at the same time as the yellow LED flashes once	The battery needs replacing, refer to “Replacing the Battery”	The alarm sounds different from it is used to. It starts and stops.	4. Clean alarm	5. If the problem still exists, replace the alarm	

Warning: Do not disconnect battery to quiet an unwanted alarm. This will remove your protection. Fan the air or open a window to remove smoke/dust.

Product Specification			
Voltage	220 - 240V @ 50Hz with 9V battery back-up	CO Alarm Button – dual function	<ul style="list-style-type: none"> Push to Test Temporarily silence low battery warning
Power Consumption	<5W	Sound Pattern	ISO8201 (BI 0.1s -pause 0.1s -BI 0.1s-pause 0.1s-BI 0.1s-pause 0.1s-BI 0.1s-pause 0.1s with RED LED flash, then repeat)
Battery Specification	9V battery DC. Brands: Gold Peak: GP1604S, GP1604A, Raymax: 6LR61 or Duracell: MN1604	Inter-linkable	up to 12 detectors
Battery Life	Over one year	Operating Conditions	- 10 to +55°C, 10 to 95%RH
Alarm Volume	> 85dB(A) at 3 meter	Storage Conditions	-20 to +55°C, 10 to 95% RH
Alarm Sensitivity (alarm conditions)	30PPM - Alarms after 120 minutes 50PPM - Between 60 to 90 minutes 100PPM - Between 10 to 40 minutes 300PPM - Less than 3 minutes	Compliance	BS EN 50291-1:2018
Product Disposal	This alarm come under the Waste Electrical & Electronic Equipment Regulations and must be disposed of in accordance to these Regulations.		





GL-P101

Mains Powered Optical Smoke Alarm

ASSEMBLY & FITTING INSTRUCTIONS

UK
CA



KM 715769



Please read these instructions carefully before attempting to install this fitting.

It is advisable to keep these instructions in a safe place for future reference. If this fitting is installed by a contractor, the contractor should ensure that the customer has a copy of these instructions.

Description

The GL-P101 smoke alarm is particularly sensitive to smouldering fires (for example, cigarettes burning on soft furnishing and electrical equipment – a common cause of devastating blazes), reacting faster than ionization alarms.

Specification

Voltage:	220-240V AC
Backup:	9V Battery
Alarm Volume:	>85dB at 3 metres
Silence Time:	Approx. 8 minutes
Interconnect:	Max 40 alarms
Complies with:	EN 14604:2005 & AC:2008

Choosing a Location

The locations of smoke alarms must comply with BS 5839-6. In general, smoke alarms should be installed on each floor in all circulation spaces (such as hallways, landings, bedrooms and living rooms). Larger spaces may require multiple smoke alarms.

The unit must be mounted at least 30cm away from walls, corners and any light fitting or decorative object (as they may obstruct smoke entering the alarm).

For slanted ceilings the fitting must be installed a minimum of 50cm from the highest point, but no more than 250cm away from it. [PTO See Fig. 1]

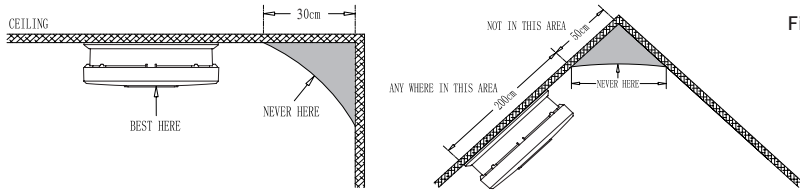


Fig. 1

Locations to Avoid

The alarms should not be installed in bathrooms, kitchens, garages or other rooms where the alarm may be triggered by steam, condensation and normal heat or smoke from appliances.

We recommend that where possible alarms are installed at least 6 metres from appliances such as boilers and ovens, as these produce combustion particles.

Fittings should be installed away from heating and cooling supply vents, as this could blow smoke away from the detector.

Alarms should not be placed in rooms where the temperature may get outside the range of operating temperatures (0 and 50°C) as this can cause false triggers.

They should not be installed in dusty, dirty or insect infested areas where particles may interfere with the alarm's operation.

Interconnecting Smoke and Heat Alarms

GL's smoke and heat detectors are capable of being interconnected, wired together so that if one alarm is activated then all the alarms which are linked on the circuit will also sound.

These are triggered by a 9V signal is applied to the interconnect terminals in the connected alarms.

The maximum wiring length between alarms is 150m and a maximum of 40 alarms can be interconnected on the same circuit.

The interconnected alarms must be on the same circuit and share a common Neutral to operate. [See Fig. 2]

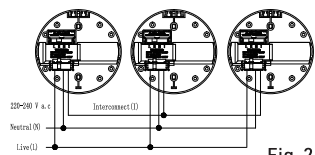


Fig. 2

Installation

Alarm must be installed with dust cover still attached. Removing the dust cover early will void the warranty.

1. Wire the fitting to the mains using the wiring diagram. [See Fig. 3]

- L: Live (Brown)
- E: Earth (Green & Yellow)
- N: Neutral (Blue/Grey)
- IC: Interconnect (Black)

Incorrectly wiring the Live or Neutral wires to the Interconnect will damage all alarms on the circuit.

This will void the warranty.

2. Close the terminal cover.
3. Screw the backplate to the mounting surface using appropriate fixings. [PTO See Fig.4]
4. Clip alarm onto the backplate.

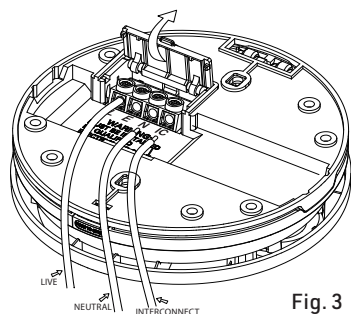


Fig. 3

5. Push down red tab and insert 9V battery. Note the fitting will not close without a battery installed and attempting to do so will damage the fitting.
6. Close the fitting and turn on the mains power.
7. Check Green and Red LEDs.
 - Green indicates power to the fitting
 - Red flash every 40 seconds indicates the fitting is working properly.
8. To finish installation, check the fitting is working by pressing the Test/Hush button.
9. Once all building work is complete, remove the dust cover. Doing so beforehand will damage the fitting and void the warranty.

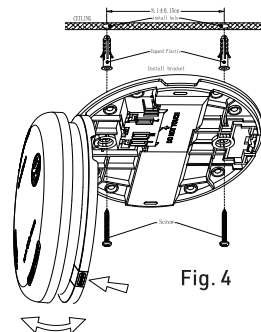


Fig. 4

Testing

The fitting must be tested weekly by pressing the Test button on the cover. This will sound the alarm if the fitting is working correctly. If the alarm does not sound the fitting has faulty batteries or other faults.

To test interconnected alarms, the button must be pressed and held for 6 seconds. Once the test button is released the alarm will stop and all interconnected alarms will sound for a further 3-4 seconds, to show that they are connected and working properly.

You must never use an open flame to test your alarm as this could damage the alarm or ignite combustible materials.

Operation

Normal Condition

In normal operation the green LED will always be on and the red LED flashes every 40 seconds to show that the alarm is active.

Alarm Condition

When the sensor is triggered by combustion the alarm will sound and the red LED will flash every second. This will continue until the air has cleared.

Power Fault Indication Condition

If the fitting is wired incorrectly, or another power fault occurs, the fitting will chirp and flash red every 2 seconds.

In this scenario, turn off the mains power immediately. Check all wiring and replace any affected fittings.

Low Battery Condition

The smoke alarm must be installed with a 9V battery with enough capacity to operate correctly. This battery should last at least 5 years under normal operation.

If the alarm enters low battery mode, the alarm will flash red and chirp every 40 seconds. You must then replace the battery immediately, by removing the old battery, pushing down the red tab and inserting a new 9V alkaline battery.

The smoke alarm will continue to warn of low battery for approximately 7 days, though failing to change the battery may result in insufficient power during a real fire.

Sensor Fault Indication Condition

When a fault is detected with the alarm, the fitting will chirp every 40 seconds.

Alarm Silence

If your alarm emits a full alarm signal when you are not testing the fitting, you are being warned of a potentially dangerous situation.

Once you have established that there is no ongoing emergency, you can use the alarm silence function. Do not block the vents or try to disable the alarm in any way, as this will remove your protection.

If the alarm silence has been used after a false trigger, the alarm will return to its normal operation within 8 minutes. During that 8 minutes the red light will flash every 8 seconds.

Product Maintenance

In addition to testing the product weekly, the fitting must also be cleaned monthly in order to remove dust, dirt and debris. This cleaning can be achieved by using a vacuum cleaner with a soft brush on all sides and covers of the smoke.

To avoid contamination, the dust cover must remain on the fitting until all building work (including painting) is complete. Removing the cover early could lead to damage to the fitting, causing false triggers and voiding the warranty.

Do not attempt to remove the casing to clean inside as doing so will void the warranty.

Trouble Shooting

Smoke alarm does not sound when tested	Remove smoke alarm from bracket and check the battery is connected properly. If this doesn't work, try replacing the battery with a new 9V battery. If there are still failures, the fitting will need to be replaced.
Alarm chirps every 40 seconds at the same time as the red LED flashes	The battery is low and must be replaced.
Alarm chirps every 40 seconds	Clean smoke alarm according to 'Product Maintenance' If the issue persists, the fitting will need to be replaced
Alarm chirps and red LED flashes every 2 seconds	Switch off power immediately. Check all wiring of all alarms. Test the interconnected alarms by press and hold the test button for 6 seconds. If a fitting is damaged, it must be replaced.
Alarm false triggering intermittently or when cooking, or taking showers Alarm starts and stops or is alarming differently to how it did before	Press the button to mute the alarm. Clean smoke alarm according to 'Product Maintenance' If the issue persists, move the alarm to a new location.
Alarm starts and stops or is alarming differently to how it did before	Clean smoke alarm according to 'Product Maintenance' If the issue persists, the fitting will need to be replaced.

Should you experience any difficulty when installing this product, please call the

GL Helpline on 01905 610200

during normal office hours 8.30am to 4.30pm, Monday to Friday

Please note that this equipment and its components have NO user serviceable parts. GL tries to improve its products for the benefit of its customers. For this reason we reserve the right to make any changes to any product at any time without notice.

GL Instructions GL-P101 Mains Powered Smoke Alarm. Recognised by the NHBC and LABC.

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GL-P102

Mains Powered Heat Alarm ASSEMBLY & FITTING INSTRUCTIONS

UK
CA



KM 715769



Please read these instructions carefully before attempting to install this fitting.

It is advisable to keep these instructions in a safe place for future reference. If this fitting is installed by a contractor, the contractor should ensure that the customer has a copy of these instructions.

Description

The GL-P102 Heat alarm is designed to be installed as part of a complete fire protection system where smoke alarms are unable to be installed. The heat alarm can rapidly detect incremental temperature.

Specification

Voltage:	220-240V AC
Backup:	9V Battery
Alarm Volume:	>85dB at 3 metres
Alarm Sensitivity:	54°C to 64°C
Silence Time:	approx. 8 minutes
Interconnect:	Max 40 alarms

Choosing a Location

Heat alarms are best suited to areas such as kitchens, laundry rooms, boiler rooms and garages where dust, moisture and fumes can cause nuisance alarms in smoke alarms.

When a heat alarm is installed in a room they must be situated on the ceiling, preferably in the centre of the room. They should be installed no further than 5.3m away from any wall or door.

As doors and other obstacles can interfere with the path of heat to an alarm, it is recommended to install an alarm both sides of such obstruction in order to compensate.

In an emergency, a substantial increase in warning time can be achieved by using a complete fire protection system. (PTO See Fig 1)

Locations to Avoid

- By fans, heaters, doors or windows
- In high humidity areas such as bathrooms or areas where the temperature exceeds 39°C or falls below 5°C
- Less than 50cm from the peak of an A-frame or 30cm from a wall, corner or light fitting (150cm from fluorescent light fittings)
- In excessively dusty or dirty areas, as this can impair the performance of the alarm
- In an area where testing or maintenance would be hazardous (e.g. over stairwell)
- Near ceiling decorations that may impede the path of heat to the alarm
- In poorly constructed ceilings

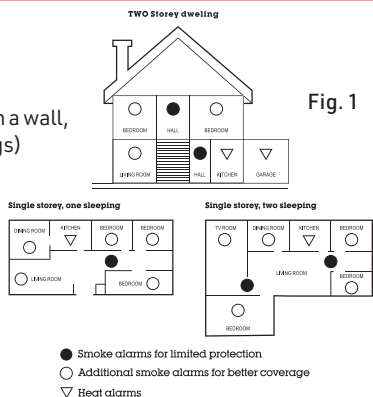


Fig. 1

Interconnecting Smoke and Heat Alarms

GL's smoke and heat detectors are capable of being interconnected, wired together so that if one alarm is activated then all the alarms which are linked on the circuit will also sound.

These are triggered by a 9V signal is applied to the interconnect terminals in the connected alarms.

The maximum wiring length between alarms is 150m and a maximum of 40 alarms can be interconnected on the same circuit.

The interconnected alarms must be on the same circuit and share a common Neutral to operate. [See Fig. 2]

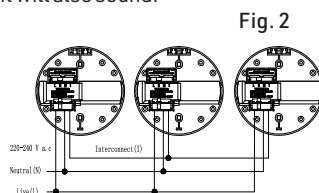


Fig. 2

Installation

Alarm must be installed with dust cover still attached. Removing the dust cover early will void the warranty.

1. Wire the fitting to the mains using the wiring diagram. [See Fig. 3]

- L: Live (Brown)
- E: Earth (Green & Yellow)
- N: Neutral (Blue/Grey)
- IC: Interconnect (Black)

Incorrectly wiring the Live or Neutral wires to the Interconnect will damage all alarms on the circuit.

This will void the warranty.

2. Close the terminal cover.
3. Screw the backplate to the mounting surface using appropriate fixings. [See Fig. 4]
4. Clip alarm onto the backplate.
5. Push down red tab and insert 9V battery.

Note the fitting will not close without a battery installed and attempting to do so will damage the fitting.
6. Close the fitting and turn on the mains power.
7. Check Green and Red LEDs.
 - Green indicates power to the fitting
 - Red flash every 40 seconds indicates the fitting is working properly

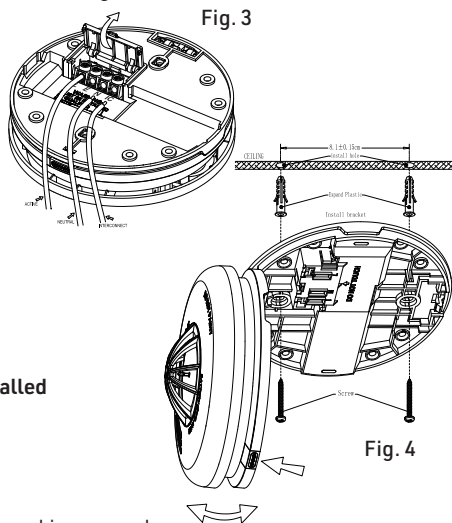


Fig. 3

Fig. 4

8. To finish installation, check the fitting is working by pressing the Test/Hush button.
9. Once all building work is complete, remove the dust cover. Doing so beforehand will damage the fitting and void the warranty.

Testing

The fitting must be tested weekly by pressing the Test button on the cover. This will sound the alarm if the fitting is working correctly. If the alarm does not sound the fitting has faulty batteries or other faults.

To test interconnected alarms, the button must be pressed and held for 6 seconds. Once the test button is released the alarm will stop and all interconnected alarms will sound for a further 3-4 seconds, to show that they are connected and working properly.

You must never use an open flame to test your alarm as this could damage the alarm or ignite combustible materials.

Operation

Normal Condition

In normal operation the green LED will always be on and the red LED flashes every 40 seconds to show that the alarm is active.

Alarm Condition

When the sensor is triggered by combustion the alarm will sound and the red LED will flash every second. This will continue until the air has cleared.

Power Fault Indication Condition

If the fitting is wired incorrectly, or another power fault occurs, the fitting will chirp and flash red every 2 seconds.

In this scenario, turn off the mains power immediately. Check all wiring and replace any affected fittings.

Low Battery Condition

The smoke alarm must be installed with a 9V battery with enough capacity to operate correctly. This battery should last at least 5 years under normal operation.

If the alarm enters low battery mode, the alarm will flash red and chirp every 40 seconds. You must then replace the battery immediately, by removing the old battery, pushing down the red tab and inserting a new 9V alkaline battery.

The smoke alarm will continue to warn of low battery for approximately 7 days, though failing to change the battery may result in insufficient power during a real fire.

Sensor Fault Indication Condition

When a fault is detected with the alarm, the fitting will chirp every 40 seconds.

Alarm Silence

If your alarm emits a full alarm signal when you are not testing the fitting, you are being warned of a potentially dangerous situation.

Once you have established that there is no ongoing emergency, you can use the alarm silence function. If the alarm silence has been used after a false trigger, the alarm will return to its normal operation within 8 minutes.

During that 8 minutes the red light will flash every 10 seconds. After the 8 minutes, if the alarm still detects a dangerous situation it will sound again.

If interconnecting alarms are installed, then only the unit that has detected the high heat can be used to silence the alarms. If the alarm does not silence when pressed, then the heat in the area is too high and a dangerous situation may exist – take emergency action.

Trouble Shooting

Heat alarm does not sound when tested	<p>Check the AC power is turned on.</p> <p>Turn off the power. Remove the heat alarm from the plate and check the connector plug is securely attached.</p> <p>Remove heat alarm from bracket and check the battery is connected properly.</p> <p>If there are still failures, the fitting will need to be replaced.</p>
Alarm chirps every 40 seconds at the same time as the red LED flashes	<p>The battery is low and must be replaced.</p>
Alarm chirps and red LED flashes every 2 seconds	<p>Switch off power immediately. Check all wiring of all alarms. Test the interconnected alarms by press and hold the test button for 6 seconds.</p> <p>If a fitting is damaged, it must be replaced.</p>
Unwanted alarms	<p>Hire an electrician to move the heat alarm to a more appropriate location.</p>
Interconnected alarms do not sound when the system is tested	<p>Press and hold the test button for at least 5 seconds after the first unit sounds.</p> <p>Turn off the power and check the interconnecting wiring.</p>

Should you experience any difficulty when installing this product, please call the

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