

G.C.N.: 41-116-46 (24 kW)

 **ARISTON**

# CLAS HE R

**USER'S MANUAL**

CONDENSING WALL-HUNG GAS BOILER

Country of Destination: GB/IE



HOT WATER | HEATING | RENEWABLE | AIR CONDITIONING

**ErP**

Dear Customer,

Thank you for choosing an ARISTON boiler.

We guarantee that your boiler is a reliable and technically sound product.

This manual provides detailed instructions and recommendations for proper installation, use and maintenance.

Remember to keep this manual in a safe place for future reference i.e. by the gas meter.

Your local ARISTON Servicing Centre is at your complete disposal for all requirements.

### **GUARANTEE**

The appliance is guaranteed for 2 years from the date of purchase.

Ariston's only obligation under the guarantee will be to repair or replace the faulty appliance at Ariston's discretion. This will be carried out where the fault arises from within defects in the appliance, caused either by material or workmanship of the manufacturer.

This guarantee does not protect malfunction or damage arising from incorrect installation, commissioning or maintenance procedures as laid out in the installation and servicing manual, inefficient flue system, poor or incorrect electricity, wrong gas supply or pressure, tampering by inexperienced persons and any other cause not directly due to manufacture.

Ariston Thermo UK Ltd cannot accept responsibility for any cost arising from repair or maintenance carried out by any third party.

Service under the guarantee does not affect the expiry date of the guarantee. The guarantee on parts and appliances which are exchanged ends when the guarantee on the original appliance expires.

This guarantee does not affect your statutory rights.

The boiler must be registered with Ariston within 30 days from date of installation.

Registration is online at [www.ariston.co.uk](http://www.ariston.co.uk).

**The installation and first ignition of the boiler must be performed by qualified personnel in compliance with current national regulations regarding installation, and in conformity with any requirements established by local authorities and public health organisations.**

**After the boiler has been installed, the installer must ensure that the end user receives the declaration of conformity and the operating manual, and should provide all necessary information as to how the boiler and the safety devices should be handled.**

This appliance is designed to produce hot water for domestic use (combi version).

It should be connected to a heating system and a distribution network for domestic hot water, both of which must be compatible with its performance and power levels.

The use of the appliance for purposes other than those specified is strictly forbidden. The manufacturer cannot be held responsible for any damage caused by improper, incorrect and unreasonable use of the appliance or by the failure to comply with the instructions given in this manual.

Installation, maintenance and all other interventions must be carried out in full conformity with the governing legal regulations and the instructions provided by the manufacturer. Incorrect installation can harm persons, animals and possessions; the manufacturing company shall not be held responsible for any damage caused as a result.

In the event of any maintenance or other structural work in the immediate vicinity of the ducts or flue gas exhaust devices and their accessories, switch the appliance off by switching the external bipolar switch to the "OFF" position and shutting off the gas valve. When the work has been completed, ask a qualified technician to check the efficiency of the ducting and the devices.

If the boiler should be out of use for a prolonged period, it is recommended that the electrical power supply be disconnected and that the external gas cock be closed. If low temperatures are expected, the boiler and system pipe work should be drained in order to prevent frost damage.

Turn the boiler off and turn the external switch "OFF" to clean the exterior parts of the appliance.

Do not allow children or inexperienced persons to use the appliance without supervision.

#### **CE labelling**

The CE mark guarantees that the appliance conforms to the following directives:

- **2009/142/CEE**  
relating to gas appliances
- **2004/108/CEE**  
relating to electromagnetic compatibility
- **92/42/CEE**  
relating to energy efficiency
- **2006/95/CEE**  
relating to electrical safety
- **2009/125/CE**  
Energy related Products
- **813/2013**  
Commission regulation (EU)

**SAFETY REGULATION**

Key to symbols:




Failure to comply with this warning implies the risk of personal injury, in some circumstances even fatal






Failure to comply with this warning implies the risk of damage, in some circumstances even serious, to property, plants or animals.


**Do not perform operations which involve opening the appliance.**

Electrocution from live components.   
 Personal injury caused by burns due to overheated components, or wounds caused by sharp edges or protrusions.



**Do not perform operations which involve removing the appliance from its installation space .**

Electrocution from live components.   
 Explosions, fires or intoxication caused by gas leaking from disconnected piping.   
 Flooding caused by water leaking from disconnected piping. 



**Do not damage the power supply cable.**

Electrocution from live uninsulated wires. 


**Do not leave anything on top of the appliance.**

Personal injury caused by an object falling off the appliance as a result of vibrations.   
 Damage to the appliance or items underneath it caused by the object falling off as a result of vibrations. 

**Do not climb onto the appliance.**

Personal injury caused by the appliance falling.   
 Damage to the appliance or any objects underneath it caused by the appliance falling away from its installation space. 


**Do not climb onto chairs, stools, ladders or unstable supports to clean the appliance.**

Personal injury caused by falling from a height or cuts (step ladders shutting accidentally). 


**Do not attempt to clean the appliance without first switching it off and turning the external switch to the OFF position.**

Electrocution from live components. 

**Do not use insecticides, solvents or aggressive detergents to clean the appliance.**


Damage to plastic and painted parts. 

**Do not use the appliance for any use other than normal domestic use.**


Damage to the appliance caused by operation overload. 

Damage caused to objects treated inappropriately.

**Do not allow children or inexperienced individuals to operate the appliance.**

Damage to the appliance caused by improper use. 

**If you detect a smell of burning or smoke coming from the appliance, disconnect it from the electricity supply, turn off the main gas valve, open all windows and call for assistance.**

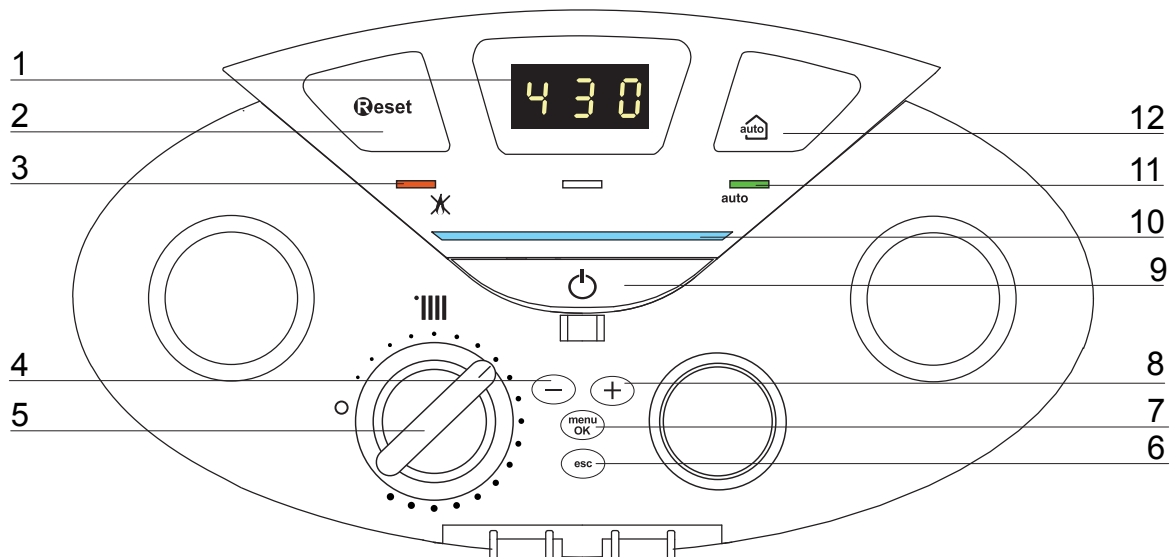
Personal injury caused by burns, smoke inhalation, intoxication. 

**If there is a strong smell of gas, turn off the main gas valve, open all windows and call for assistance.**

Explosions, fires or intoxication. 

This appliance can be used by children aged from 8 years and above and person with reduced physical, sensory or mental capabilities or lack of experience and knowledge if 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.

Control panel



Legend :

1. Display
2. RESET button
3. Red indicator lockout light
4. Button -
5. Temperature regulation knob
6. Esc button
7. Menu / OK button (Programming key)
8. Button +
9. ON/OFF button / Green indicator ON/OFF
10. Blue indicator burner ON
11. Green indicator Auto function
12. Auto button (To activate Thermoregulation)

## Ignition procedure

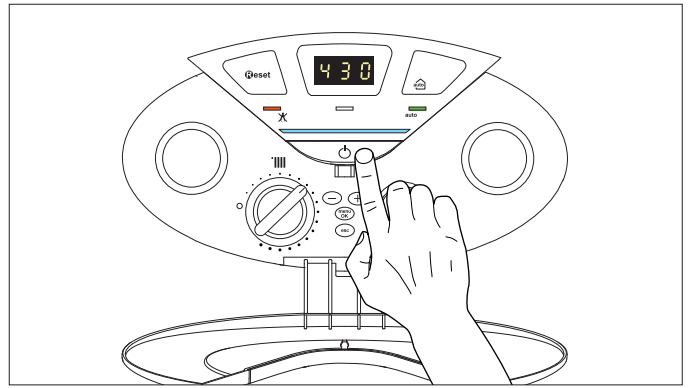
Press the ON/OFF button on the control panel to switch on the boiler. The display shows:

The first figure indicates the operating mode:

- 0 - Stand-by,
- C - Heating request
- c - Heating post-circulation
- F - Anti-freeze protection enabled

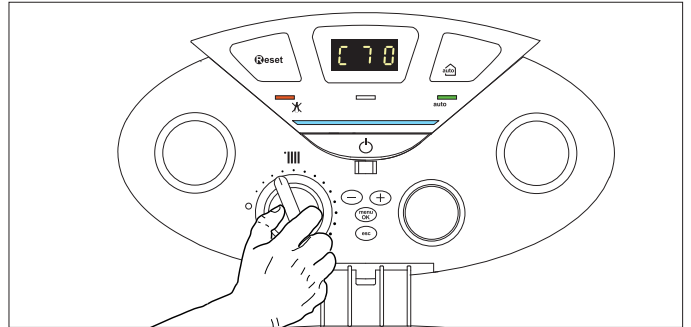
The second and third figures indicate:

- the flow temperature when no heating requests have been made
- the flow temperature in central heating mode
- the flow temperature in anti-freeze mode.



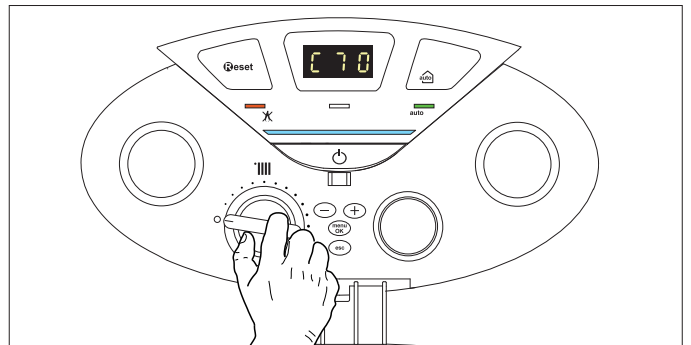
## Adjusting the heating

It is possible to set the temperature of the heating water by adjusting the knob 5. By placing the indicator somewhere between min. and max. A temperature may be obtained which varies from approximately 40°C to about 82°C.



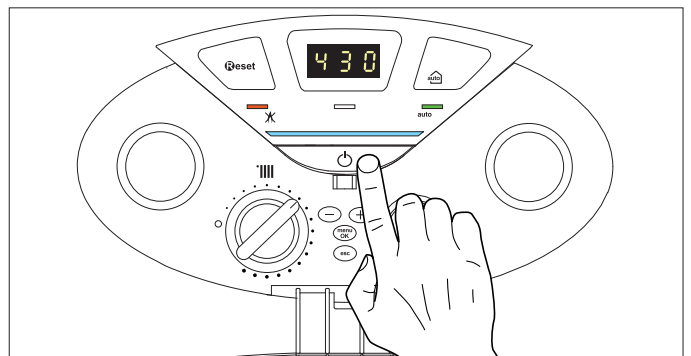
## Switching off the heating

To switch off the heating mode turn the knob 5 to the position 0 .  
Or set the timer to the off position



## Stand by

To switch off the boiler press the ON/OFF button 9.  
Switch off the boiler completely by switching the external electrical switch to the OFF position.



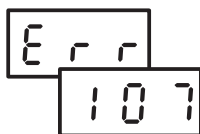
### Appliance shut-off conditions

The boiler is protected from malfunctions by means of internal checks performed by the electronic P.C.B., which stops the boiler from operating if necessary. In the event of the boiler being shut off in this manner, a code appears on the control panel display which refers to the type of shut-off and the reason behind it.

Two types of shut-off may occur:

#### Safety shut-off

This type of error is "volatile", which means that the boiler starts up again automatically as soon as the problem which caused the shut-off is removed. The display will flash "Err" and the error code.



As soon as the cause of the shut-off disappears, the boiler starts up again and continues to operate normally.

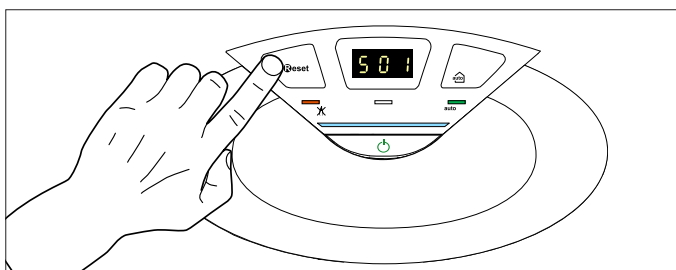
While the boiler is shut off for safety reasons, it is possible to attempt to restore normal operation by switching the appliance off and on again using the ON/OFF button on the control panel.

If the boiler still indicates a safety shut-off, switch it off. Make sure the external electric switch is in the OFF position, close the gas tap and contact a qualified technician.

#### Operation shutdown

This type of error is "non volatile", which means that it is not removed automatically. The display will flash ERR and the error code and the red led lights up "3" with a red X.

In this case the boiler does not restart automatically, but it may be reset by pressing the **Reset** button **2**. If the problem manifests itself again after several attempts to reset the appliance, contact a qualified technician.



### IMPORTANT

**IF THIS SHUTDOWN OCCURS FREQUENTLY, CONTACT AN AUTHORISED SERVICE CENTRE FOR ASSISTANCE. FOR SAFETY REASONS, THE BOILER WILL ALLOW A MAXIMUM OF 5 RESET OPERATIONS TO TAKE PLACE IN 15 MINUTES (INDIVIDUAL PRESSES OF THE **Reset** BUTTON).**

#### Operation shutdown error table

Display	Description
1 01	Overheating
5 01	No flame detection
1 03	Insufficient circulation
1 04	
1 05	
1 06	
1 07	
3 05	P.C.B error
3 06	P.C.B error
3 07	P.C.B error

### Anti-frost Device.

The anti-frost function acts on the central heating flow temperature probe, independently from other settings, when the electrical supply is turned on.

If the primary circuit temperature falls below 8°C the pump will run for 2 minutes.

After the two minutes of circulation (fixed) the boiler will check the following:

- a) if the flow temperature is > 8°C, the pump stops;
- b) if the flow temperature is between 4 and 8°C, the pump will run for another two minutes;
- c) if the flow temperature is < 4°C, the burner will fire at minimum power until the temperature reaches 33°C, the burner will go off and the pump will continue to run for two minutes.

The anti-frost device activates only when (with the boiler operating correctly):

- the boiler is electrically powered,
- there is a supply of gas.

### Auto button - Temperature adjustment activation

The AUTO function enables boiler operation to be adapted to environmental conditions and to the type of system it is installed on. Comfortable temperature is reached inside the room in the quickest way possible, without wasting money, energy or efficiency, while substantially reducing the amount of wear experienced by the components.

Your installer will advise you on the devices connectable to the boiler and will program according to the system.

In normal boilers the water temperature inside the heating elements is usually set to a high value (70-80°C), thereby ensuring effective heating during the few really cold winter days. It then becomes excessive on less cold days (of which there are many) more typical of the autumn and winter seasons. This leads to excessive room heating after the thermostat has been switched off, resulting in energy waste and uncomfortable conditions inside the room.

The AUTO function "takes control" of the boiler and selects the best operating regime based on environmental conditions, external devices connected to the boiler and the performance required. It constantly decides at which power level to operate based on the environmental conditions and the room temperature required.

### Change of gas type

Our boilers are designed to function either with Natural Gas (methane) or Propane. If you need to change from one gas to the other, one of our Authorised Service Centres must be contacted to convert the appliance.

### Maintenance

Schedule an annual maintenance check-up for the boiler with a competent person.

Correct maintenance always results in savings in the cost of running the system.

Failure to arrange an annual service for the appliance will invalidate the second year and subsequent years of the manufacturers guarantee.



ITALIAN DESIGN

**Ariston Thermo UK Ltd**

Artisan Building  
Hillbottom Road  
High Wycombe  
Bucks HP124HJ  
Telephone: 01494 418500

[ariston.com/uk](http://ariston.com/uk)

Technical Advice: 0333 240 7777  
Customer Service: 0333 240 8777