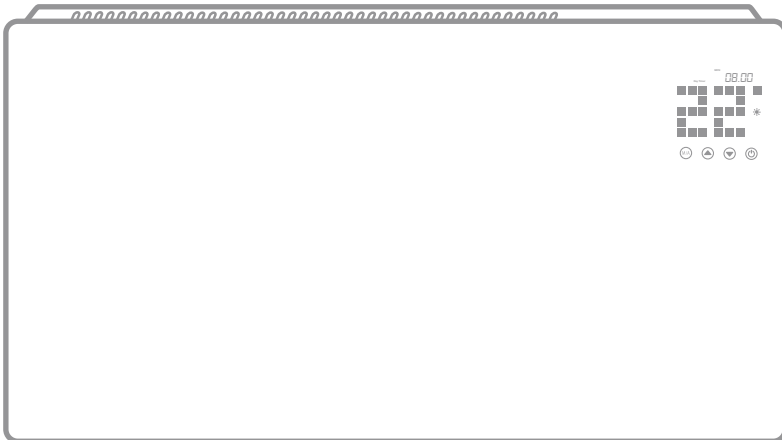




Product Instruction Manual

Ariano



AR1000T, AR1500T, AR2000T
Glass Panel heater

Thank you for purchasing a Hyco Ariano glass panel heater. Please ensure you read and understand these instructions to ensure safe installation and operation.

The Ariano is ideal for a wide range of fixed installation heating applications in the home and office environment. The Ariano is ecodesign compliant; energy savings features include open window function and a 24/7 electronic timer.

Key Features

- Slimline, modern, glass fronted design
- 24/7 electronic timer with remote control
- Reduced energy wastage with open window detection
- Frost protection feature
- Full or half power setting
- IP24 splashproof

1. Important safety points



The electrical installation must be carried out by a qualified electrician in accordance with the current edition of the I.E.E. Wiring Regulations.



Only connect the unit to a single-phase supply with a mains voltage as specified on the rating plate.



If the heater is located in a bathroom, it must be installed so that switches and other controls cannot be touched by a person in the bath or shower.



Only use the mounting bracket supplied and do not modify the bracket in any way.



WARNING: To avoid overheating, do not cover the heater.



The supply cord cannot be replaced by the user. If the cord is damaged the appliance should be returned to the manufacturer or an authorised service agent for replacement.



The heater must not be located immediately below or above an electrical socket outlet.



This appliance can be used by children aged from 8 years and above and persons 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 of less than 3 years should be kept away unless continuously supervised.



Children aged from 3 years and less than 8 years shall only switch on/off the appliance provided it has been placed or installed in its intended normal operating position and they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children aged from 3 years and less than 8 years shall not plug in, regulate and clean the appliance or perform user maintenance.

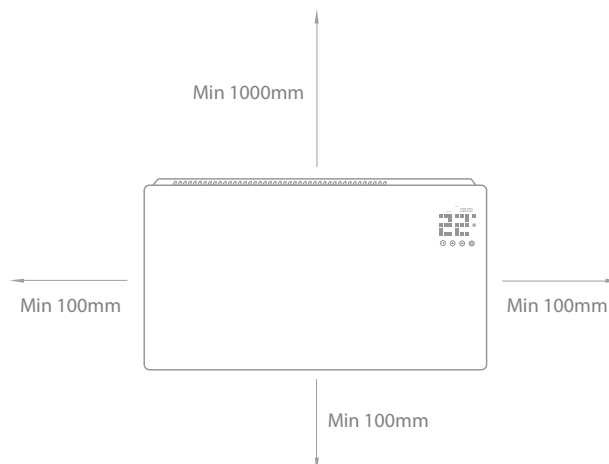


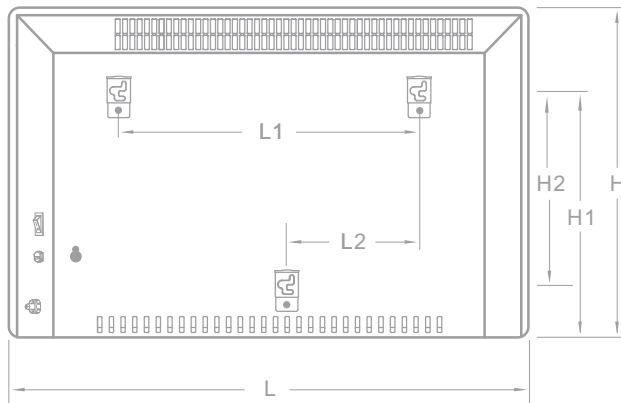
CAUTION: Some parts of this product can become very hot and cause burns. Particular attention must be given where children and vulnerable people are present.

2. Installation

Wall Mounting

- Select a suitable location for the install and ensure the minimum spaces around the heater are maintained to ensure good airflow and safe operation of the heater.





Specification


Model	L(mm)	H(mm)	L1(mm)	L2(mm)	H1(mm)	H2(mm)
AR1000T	515	450	220	110	350	270
AR1500T	675	450	380	190	350	270
AR2000T	835	450	540	270	350	270

- Ensuring a horizontal level, offer the bracket to the wall and mark the two upper holes and the lower central hole as per the dimensions provided in the table above.
- Drill the three holes into the mounting surface and insert the wall plugs supplied.
- Insert the supplied screws into the wall plugs, leaving 5mm of thread protruding.
- Hang the heater to the screws by locating them into the centre of the three corresponding brackets and then sliding the unit to the right and down to secure.

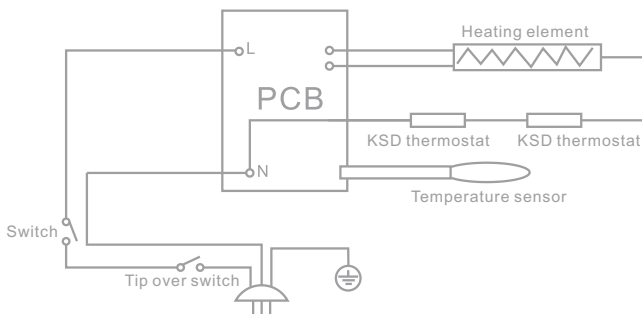
Electrical installation



The electrical installation must be carried out by a qualified electrician in accordance with the current edition of the I.E.E. Wiring Regulations.

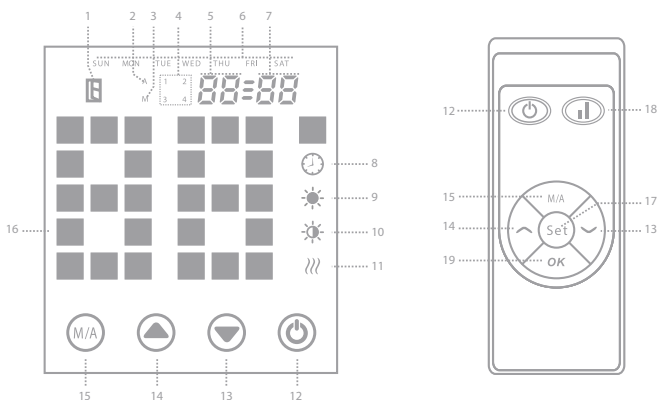
- Connection should be made to the fixed wiring of the property via a double pole fused spur with a break capacity of no less than 13amps.
- Electrical connections should be made as follows:
Green/Yellow earth wire to the terminal marked "E" or 
Brown/Red live wire to the terminal marked "L"
Blue/Black neutral wire to the terminal marked "N"

Circuit diagram










3. Operation


Control panel overview



- | | | |
|---------------------------|---------------------------|----------------------------|
| 1. Window open indicator | 8. Timer on | 14. Up selector |
| 2. Auto mode indicator | 9. Full power | 15. Manual/Auto mode |
| 3. Manual mode indicator | 10. Half power | 16. Target temperature |
| 4. Timer period indicator | 11. Element on indicator | 17. Set button |
| 5. Hour indicator | 12. Standby on/off button | 18. Full/Half power button |
| 6. Day indicator | 13. Down selector | 19. Ok button |
| 7. Minute indicator | | |

Setting the clock

- Turn the heater on via the power switch at the lower right-hand side of the unit. Turn on the display screen by pressing the standby on/off button.
- Hold down the M/A and  buttons on the remote control or on the touch screen simultaneously for 2-3 seconds, a beep will sound, and the current day setting will flash.
- Use the buttons   to cycle to the correct day and press the M/A button to store.
- The hour indicator of the display will flash, use the   buttons to cycle to the required value and press the M/A button to store.
- The minute indicator of the display will flash, use the   buttons to cycle to the required value and press the M/A button to store.
- The current day and time will now show on the display.

 The unit has a built-in memory that can retain the time for several days if the power is switched off to the unit. If the unit is off for longer periods the day & time may need to be reset upon next start up.

Setting the target temperature

- Turn on the display screen by pressing the standby on/off button.
- To set the target temperature of the heater use the ▲ ▼ buttons on the touch screen to cycle to the desired target value, allow the display to flash for several seconds, when it stops flashing the display will show the new stored target temperature.

Switching between Full/Half power



In order to use this feature, the remote control must be used.

- Turn on the display screen by pressing the standby on/off button.
- Press the power select button (⏻) on the remote control to toggle between Full/ Half power setting. The current setting used will be displayed by the ☀️ 🌑 power icons on the display.

Manual mode

When the heater is in the manual mode (M), it will allow the user to simply switch the heater on/off via the standby button.

In this mode, the heater can be programmed to run on and automatically switch off and go into standby at any specified time within the next 24hrs. The feature can only be used via the remote control - see “Manual timer programming” section. Once the pre-defined time is reached and the heater has switched itself off it will need to be manually turned back on again at which point it will revert to operating in manual mode. It is strongly recommended to consider setting a timed operation using the auto mode where anticipated usage is predictable to avoid energy wastage.

Auto mode

This mode allows the heater to be operated by a user defined schedule. This offers up to four separate periods of operation to be defined for each day of the week. This feature is strongly recommended where heat demand is predictable as it can help reduce energy wastage. In addition, this allows spaces to be heated in anticipation of the demand without the need for somebody to be present to turn it on; for example, in an office environment where staff arrive to begin work at 8.30am, turning the heater on at 8am to pre-warm the room. The operating times can only be programmed into the heater via the remote control (see “Auto timer programming” section).

Switching between Manual/Auto operation mode

- Press the M/A select button on the heater touch screen to toggle between the two modes. Confirmation of the current mode will be shown in text form on the heater display.

Manual (run on) timer programming



In order to use this feature, the remote control must be used.



- Turn on the display screen by pressing the standby on/off button.
- Select "M" mode via the remote control by pressing the M/A button until "M" is displayed on the touch screen in the manual mode indicator.
- Press the "Set" button on the remote control and the current day and hour will flash. It is only possible to specify a time within the next 24hrs for the heater to enter standby mode.
- Next the exact time of shut down needs to be defined. Cycle to the desired hour before pressing "Set" to confirm and then repeat for the minutes before pressing "Set" to complete the setting. If the shut down time runs into the next day, you will see the current day on the day indicator automatically cycle to the next day.

Auto timer programming







In order to use this feature, the remote control must be used.

- Turn on the display screen by pressing the standby on/off button.
- Select "Auto" mode via the control by pressing the M/A button until A is displayed.

- Press the "Set" button on the remote control and the current day will flash. Use the   buttons to cycle to the required day and press the "Set" button to confirm.



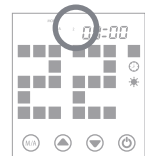
- Use the   buttons to select the starting hour for the first period of operation and press the "Set" to confirm. The next flashing number is the hour to stop operation, use the   buttons to cycle to the required value and press the "Set" button to confirm. (the picture shows slot 1 programmed to start up on Monday at 08.00 and then shut down at 17.00)



- The starting hour of the second period of operation will now flash, repeat the previous steps as per the first period of operation. Up to four slots of operation are available if required. If the further slots are not required press the "OK" button at any stage to complete the scheduling for the current day.



- Repeat the process for each of the seven days of the week as required. The default setting for each day and each slot is off.



i When the heater is in a defined period of non-operation it will automatically go into standby mode. It can be woken up by pressing any button in order to alter settings but will go back into standby if no further button is pressed within 10 seconds.

Setting the child lock

- Press the ▲ ▼ buttons simultaneously and hold until a beep sounds. The target temperature display will be replaced by “[]” icon to indicate the panel is locked.
- Repeat the first step to unlock the heater.

Open Window detection

- The unit has smart technology to prevent unnecessary energy wastage. If a window or door is left open the heater will detect a temperature drop and stop heating. The unit will beep and the open window icon will display. To restart the heater, press the standby button twice and the unit will begin in its last operating mode.

4. Maintenance & Trouble shooting

Maintenance

The heater should be inspected and cleaned periodically, attention should be given to the inlet grilles at the base of the unit and the outlet louvres at the top of the heater. Ensure they are cleared of dust or other debris that may causes a blockage and in turn reduce the airflow in and out of the heater, which if unchecked may lead to the unit running at hotter temperatures.

- Ensure the heater is isolated from the power supply and has fully cooled down before commencing any cleaning of the heater.
- Use a soft brush or vacuum cleaner to gently remove any debris from the inlet grilles and outlet louvres.
- Use a non-abrasive, damp cloth with soapy water to clean the main body of the heater. Take care not to use excessive amounts of water that could run into the main body of the heater.

i Sooty deposits can adhere to the louvres of the heater and the surrounding surfaces of the heater install. This can be caused by excess dust in and around the heater burning off the heating element after prolonged periods of non-use. This does not indicate an over-heat occurrence and the effects can be reduced with regular cleaning of the heater.

5. Specifications

	AR1000T	AR1500T	AR2000T
Supply	230v~ 50Hz		
Power (half/full)	500/1000W	750/1500W	1000/2000W
Water resistance	IP24		
Class	I		
Weight	5.8kg	7.5kg	9.25kg
Thermal protection	Auto reset thermostat x 2		
Size (w x d x h)	515x105x 450mm	675x105x 450mm	835x105x 450mm

Model Identifiers: Ariano panel heaters AR100T,AR1500T & AR2000T

Item	Symbol	Value			Unit
		AR1000T	AR1500T	AR2000T	
Heat output					
Nominal heat output	Pnom	1.0	1.5	2.0	kW
Minimal heat output (indicative)	Pmin	0.5	0.75	1.0	kW
Maximum continuous heat output	Pmax, c	1.0	1.5	2.0	kW
Auxiliary electricity consumption					
At nominal heat output	elmax	0			kW
At minimum heat output	elmin	0			kW
In standby mode	eISB	0.37			W

Item	Unit
Type of heat input, for electric storage local space heaters (select one)	
manual heat charge control with integrated thermostat	No
manual heat charge control with room and/or outdoor temperature feedback	No
electronic heat charge control with room and/or outdoor temperature feedback	No
fan assisted heat output	No
Type of heat output/room temperature control (select one)	
single stage heat output and no room temperature control	No
two or more manual stages, no room temperature control	No
with mechanic thermostat room temperature control	No
with electronic thermostat room temperature control	No
electronic room temperature control plus day timer	No
electronic room temperature control plus week timer	Yes
Other control options (multiple selections possible)	
room temperature control, with presence detection	No
room temperature control, with open window detection	Yes
with distance control option	No
with adaptive start control	No
with working time limitation	No
with black bulb sensor	No

6. Guarantee and service policy

This product is covered by a standard parts or replacement warranty for a period of 12 months from the date of purchase.

If there is a manufacturing defect within the warranty period we will send spare parts, repair and return the unit or, at our discretion, supply a replacement product.

Incorrect installation and failure to follow correct operating instructions are excluded. Consequential costs such as labour charges or damage to surroundings are expressly excluded.



INFORMATION FOR CORRECT DISPOSAL OF THE PRODUCT IN ACCORDANCE WITH THE EUROPEAN DIRECTIVE 2012/19/EU.

At the end of its working life this equipment must not be disposed of as household waste. It must be taken to a local authority waste collection centre or to a dealer providing this service. Disposing of electrical and electronic equipment separately enables its components to be recovered and recycled to obtain significant savings in energy and resources. In order to underline the duty to dispose of this equipment separately, the product is marked with a crossed out dustbin.

Contact us

If you experience a problem with this product you should first contact our service department on 01924 225 200 before taking any further action.

Experience has shown that issues can often be resolved without the need to return or uninstall the product.

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