

User manual

Electric panel

radiators

alpha_{remote}



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Your new electric panel radiators Alpha

Thank you for purchasing the "alpha" Panel Heater, which is a modern and high quality device.

Please check carefully the heater once you have unpacked the unit, our production facility strives to pack and ship for the ultimate in protection. If you do happen to experience a problem, please contact ourselves during working hours with your query.

Our contact details and relevant contact information can be found on the back of this installation along with operating instructions.

Keep these installation and operating instructions along with any other documents in a safe place for further reference.

Disposal

Packaging

The packaging serves to protect it from damage during transportation. Please be aware of the danger to young children regarding polythene and other packaging materials and dispose of it in a safe place.



Suffocation left by films and folding cartons children all packaging!

Some packaging materials used are environmentally friendly and recyclable. Please dispose of the packaging environmentally friendly manner. Use the appropriate means of disposal, if in doubt, contact the appropriate agencies or councils.

Disposal of the appliance



Waste raw materials can often be recovered for re-use, please recycle whenever possible.

This device complies with the European Community 2002/96/EC of the WEEE Directive. This Directive lays down the framework for an EU-wide collection and recycling of electrical and electronic equipment.

Delivery

Check immediately on receipt of the unit the contents of the package. The following items must be included:

- Complete electric Alpha panel radiator with wall mounting bracket, all in the correct colour ordered.
- Remote control (if ordered) in a separate box, embedded in a foam covering for protection.
- A bag of screws and plugs for wall mounting
- Installation and operating instructions

Not included.

- Alkaline Batteries for Remote Control - 2 x AA (LR6)

Safety instructions and warnings

Instructions prior to installation.

Before you begin the installation, setup or operation of the unit, please read these instructions carefully and proceed following the guide and technical instructions.

The manufacturer/supplier cannot accept liability for any eventuality if you fail to observe warnings present in the installation and operating instructions.

It cannot be stressed enough that if you do not feel capable or are unsure working with electricity please always seek the advice or services of a professional.

The unit has to be installed the correct way up and this is marked on the cabinet. Another pointer being the power cable will exit from the right hand side.

The unit should only be operated by a competent adult and it should be never left unsupervised where children could access and use the controls.

Before connecting the appliance ensure the cabled is connected with the correct fuse protection and again if in doubt consult a professional.

The connection must only be connected to a supply including a ground/earth wire, also called Class I and marked by this icon



After installation

Any faults that may develop in the future must always be repaired by a certified professional otherwise there is a risk of possible serious consequences.

To ensure quality and safe operation it is advised that manufacturer recommended parts are always fitted.

If there is any damage to the power cable, please check with a professional; if you are in any doubt whatsoever please do not use the heater.

Never be tempted to remove screws and open the unit yourself whilst the cable is connected to the electricity supply.

Proper use of the electric heater

- Do not install and use this heater outdoors
- Operate only for space heating, not for washing, drying, etc. use (fire hazard)
- Ventilation openings on the rear of the unit should never be covered. Structures such as Window sills, etc. should be at least 150 mm vertical spacing above the device.
- Consideration must be given when fixing the heater wall bracket to different wall constructions. Ensure the correct fixing plugs are always used for a given material.
- Ensure the wall bracket is mounted correctly and is completely level.
- We would always recommend fitting to a solid wall where possible.
- Never use the unit without the attached brackets.
- Never allow liquids to enter the unit or remote control.
- Clean the outside of the heater with a damp cloth only.
- When not in use always ensure unit is switched off at the main switch
- Never allow children to play on or with the unit or remote control.

Mounting Location

Once the unit is mounted, it must be in a such a position that the ventilation/convector vents at the top and bottom of the unit must be free of any obstruction; careful consideration needs to be given to curtains, and as mentioned earlier never be tempted to dry clothes on the unit.

The unit operates on the same convection pinciple as a conventional central heating radiator. Allowing free air flow will give the best and safest performance.

Should you be in doubt as to the material above the unit, And its chosen position in relation to the heater; and how heat resistant it is, seek further help from a professional.

Wall mounting the device

⚠ The appliance must not be connected to the electricity whilst fitting to the wall brackets.

Place the heater, with the front panel on the ground ensuring the surface you are placing it on will not damage the heaters finish. If in doubt place a soft cloth down first. To release the wall bracket, press the top part of the bracket on both sides at the same time the metal tabs slightly to the left (Fig. 1) and hang the unit on the upper fixing of the wall bracket. Now lower the unit onto the base lugs of the brackets.

With the air vents to the top, lower the heater into the bottom hooks (Fig. 2) The centre tabs of the bracket will then locate into the slots before the top tabs will locate and lock (Fig. 3). Press the device now facing the wall , then snap the two movable plate tabs and the device is attached to the wall bracket.

Should the unit need to be removed from the wall, then proceed as follows. First disconnect the appliance from the mains. Now you can then access up behind the unit , to the two upper vertical struts and press there the same time the two movable tabs to the right until it clicks button up (fig , 1). Now the device can be taken from the holder.



Fig 1



Fig 2

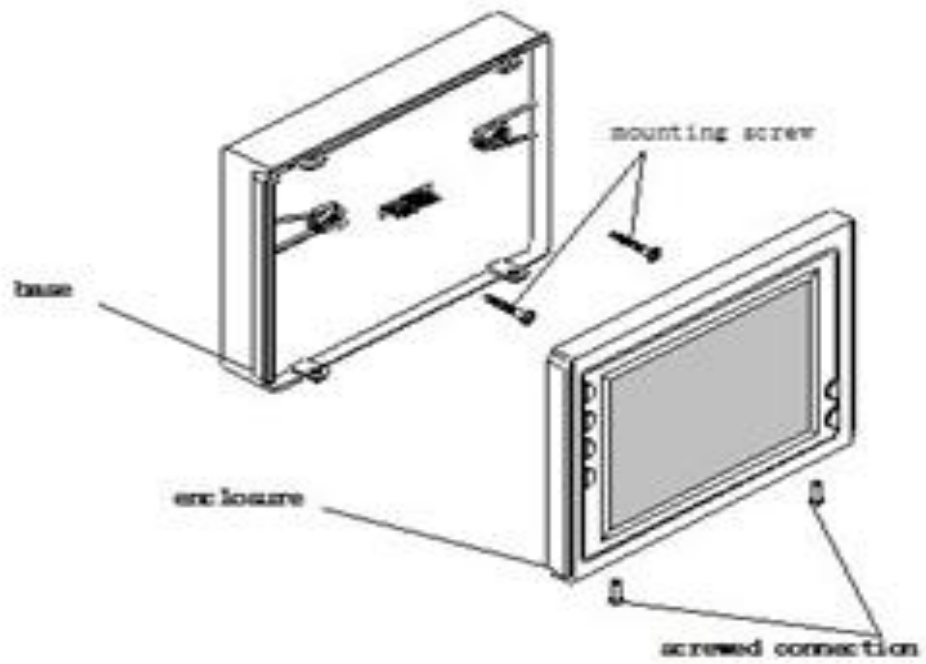


Fig 3

Note: To release the unit from the wall bracket. Press the top tabs in together (Fig. 1). The heater can then be dropped forward and lifted clear of the bracket.

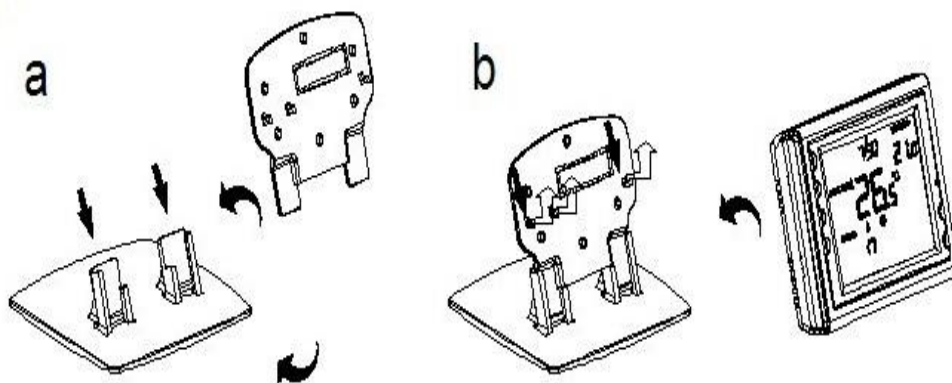
Please ensure the heater is disconnected from the electricity supply before removing the heater from the wall bracket.

Preparing the Remote Control (mounting, installation, battery replacement)



Wall mounting

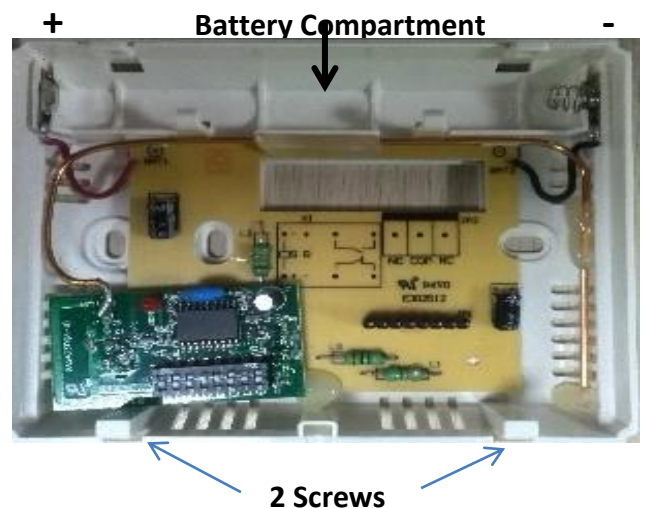
Table stand for remote control (Optional Accessory)



Inserting the batteries

Procedure prior to first use or when changing batteries

- Remove the two screws at the bottom
- Open short side of the remote control
- Lift the display face carefully
- 2 alkaline batteries 1.5 V IEC LR6 (AA)
- Insert the 2 batteries in the compartment.
- Note the correct polarity and carefully close and replace retaining screws



Basic settings of the remote control

Turn "On" (the flame and clock icon is seen in the display) Remote On/Off button (1)

- 1) Press the clock button (2)
- 2) Use the ▲ or ▼ button (6/7) to set the exact current hour
- 3) Press the clock button (2) again and the minute digits will flash
- 4) Use the ▲ or ▼ button (6/7) to set the exact current minute
- 5) Press the clock button (2) again and the day of the week indicator (8) will flash
- 6) Use the ▲ or ▼ button (6/7) to set the current day of the week (1 = Monday)
- 7) Press the R button (4) and the entries will be stored.

1. Configuration Menu

The remote control has a configuration menu where the various basic parameters can be set, depending on the preference of the users and their habits. Proceed as follows:

Press the button (1) to ensure that the remote control is in "antifreeze" mode. A cold symbol (14)

must be visible on the screen. Now press the - P (3) for about 3 seconds to move to the input mode of the configuration menus. The large figure shown is setting number; the small figure to the right is the adjustment for this setting. By pressing the arrow keys (6/7) you can adjust the options until the desired selection is displayed. Pressing the P key again, the displayed value is assumed for these parameters and the display changes to the next parameter. Continue selecting until all 10 parameters are defined according to your wishes.

To exit from this menu, press the Start button (1) and return to the freeze protection mode or for program execution, press the R-key (4) and enter run mode . If no key is pressed for 20 seconds, the parameter menu is automatically exited.

10 Basic settings

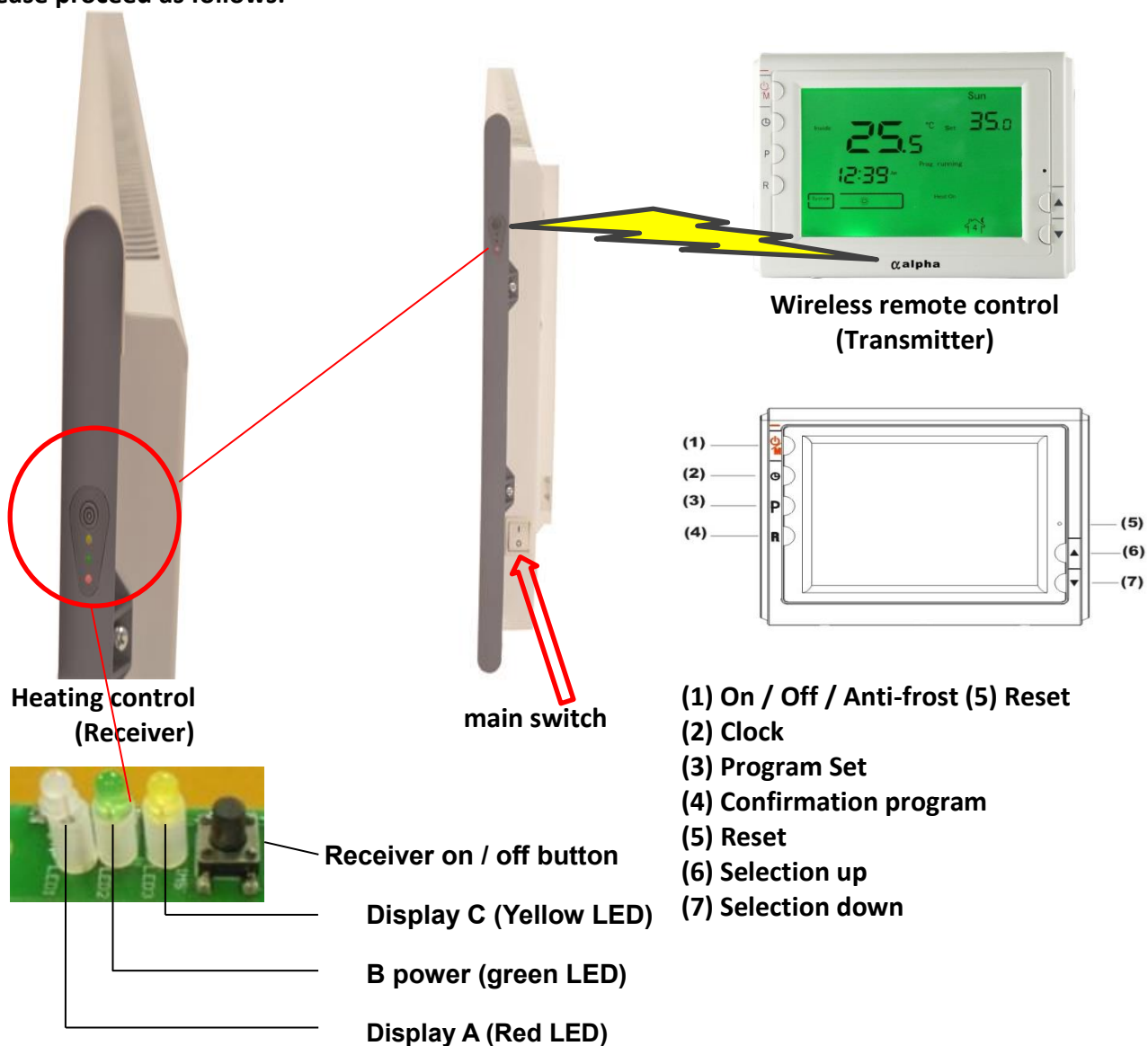
No.	Press	Factory Settings	To Select ▲ or ▼	Parameter Description
1	③ “ P ”	0	-3 --- +3	Displayed actual temperature can be adjusted by 3 ° C or down
2	③ “ P ”	35°C	18°C(64°F)— 35°C(95°F)	Selectable limit for maximum temperature
3	③ “ P ”	5°C	5°C(41°F)— 20°C(68°F)	Selectable limit for low temperature
4	③ “ P ”	°C	°C / °F	Display in °C or °F
5	③ “ P ”	FA	FA/SL	Heat option for fast or slow
6	③ “ P ”	OO	PP/OO	This option is not possible in alpha
7	③ “ P ”	24	12 or 24	Select 12 or 24 hour display
8	③ “ P ”	7	0 / 3 / 7	Three-time programs can be selected
9	③ “ P ”	P6	P4/P6	Two switching time settings selectable
10	③ “ P ”	5	0 / 5 / 10	Mode backlight selectable.

Utilizing the settings

1. The calibrated measured temperature is displayed on the remote control (16) and can be adjusted by +/- 3 ° C.
2. Upper temperature limit is displayed and can be adjusted between 18 ° C / 64 ° F and 35 ° C / 95 ° F. Factory setting is 35 ° C / 95 ° F.
3. Lower temperature limit where the desired lower adjustable temperature limit can be entered (between 5 ° C / 41 ° F and 20 ° C / 68 ° F). Factory setting is 5 ° C / 41 ° F.
4. For (° F) or (° C) displayed option can be selected here.
5. Option for fast or slow heating. For quick heating use the FA selection. In this mode the heater will react immediately when the desired temperature is 1 ° C above/below the set room temperature. For slow heating use the SL selection. In this mode the heater will react immediately when the desired temperature is 3 ° C above/below the set room temperature.
6. This feature is not available on the alpha.
7. Display for times Choice between 12 and 24 hours mode
8. Three program options for switching points and temperature per week to choose from:
 - Select 7: All 7 days can be individually programmed
 - Select 3: You can program three periods (5 weekdays + Saturday + Sunday)
 - Select 0: No model programmed
 - The factory setting is 7
9. Two options for switching times per day Choose P4: You have 4 switching times per day of the program . Select P6: You have 6 daily times. The factory setting is P6.
10. The backlight of the display has 3 settings: 0 = No backlight, 5 = backlight for 5 seconds, 10 = backlight for 10 seconds.

Commissioning

Now that the remote control has been prepared and the device is attached to the wall, the connection can be made to the mains. This is done either by simply plugging the power cord into the outlet, or by fixed wiring in a junction box. The latter must be executed by an appropriate qualified professional. If the connection to the mains supply and the device is to be operated, please proceed as follows:



Before commencing with pairing make sure the heater is switched on at the righthand side. The white switch should be pointing to the I symbol.

Receiver power button red LED (A): A short press will turn the red LED on/off indicating supply status.

Load status green LED (B): The green LED will illuminate when the heater is calling for power. Green LED (B) will also flash slowly to indicate when the heater is in over-temperature protection mode.

Pairing yellow LED (C): The yellow LED will illuminate when to show it is ready for pairing.

For pairing a single heater with a single remote control

1 Ensure the heater is turned on at the side and the control screen has batteries installed and is turned off (showing system *).

1.1. After switching the heater on via the main switch, there should be no LED lights on the side of the heater. If the red LED is on, turn it off by depressing the small on/off receiver power switch. The heater is now ready for pairing with the remote control.

1.2. Press and hold the on/off receiver power switch for 3 seconds until the yellow LED lights up.

1.3. Take the remote control (turned off) and hold it a short distance from the heater control. Now press the R button (4) on the bottom left hand corner for 5 seconds.

1.4. The back light on the screen will illuminate when the heater is paired.

1.5. Turn the heater red LED on by depressing the small on/off receiver power switch. Then turn the control screen on at the top left hand corner and increase the room temperature setting to maximum. The green LED on the heater will then illuminate to show the heater is calling for power.

1.6. Revert to your chosen temperature settings.

When operating multiple devices with a single remote control

It is possible to control up to 8 alpha heaters through one remote control screen. When multiple heaters are connected they will all switch as one unit and not individually.

When operating multiple devices with multiple remote controls

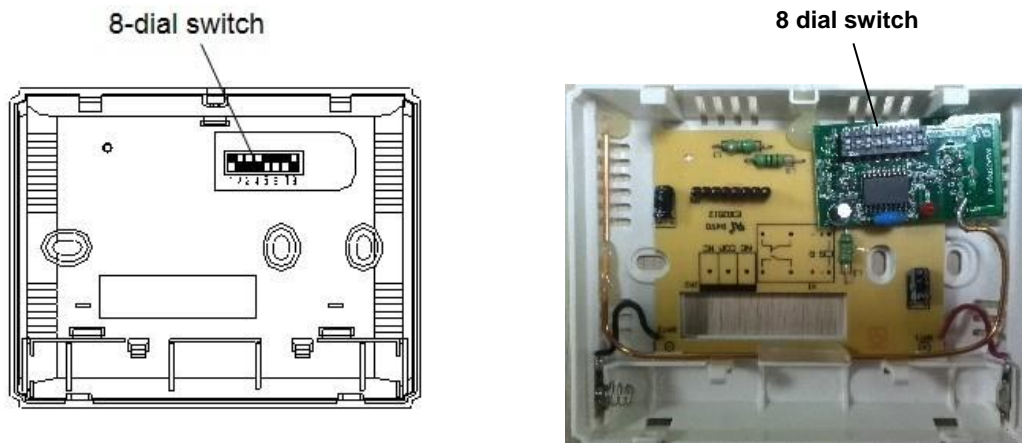
When using more than one remote control you will need to give each control specific assignments to avoid any malfunctions to individual units.

This is done by assigning corresponding codes by remote control. Please proceed as follows:

Open the casing of the remote control by removing the two small screws. You will see a bar with 8 selectors (see illustration below). In default, all switches are set the same for delivery. Simply slide one or more of the switches up to make your own unique code for the multiple heaters used from

one screen. The screen sets the frequency, the heaters will accept this and only work through this controller.

After these changes, close the cover of the remote control again and make the match between unit and remote control before, as described above.



Note1:

The range of the remote control in an open area is about 100 m. In buildings, the range is significantly shorter, and depends on many factors. On average a range of about 40m typically, unless specifically screened by, for example, Metal or another interference field.

Note:

Settings saved in the remote control are not lost when changing the battery, as it is equipped with an EPROM.

Setting the heater by remote control after pairing is complete

For an explanation to the symbols seen on the screen of the remote control, please refer the end of this manual.

Temperature only setting without time control

1 Turn on the remote control at the top left hand corner of the screen.

2 Increase the temperature setting in the top right hand corner of the screen to your desired preference. This can be done in 0.5 ° C increments by pushing the up arrow (6). The hand symbol is visible on the display showing it is working in manual operation.

5 The green LED on the heater will illuminate to show it is calling for power.

6 To exit the manual operation either simply turn the control screen off in the top left hand corner or push the (R) button to revert to the timed mode .







Note:

a) The manual temperature adjustment is carried out until the next input automatic switching time is achieved. The controller then switches back to timed operation.

b) You can prevent this from happening by pressing the (R) button for 3 seconds until the symbol of a key (18) appears below the figure for the current day of the week. This means that the automatic program is temporarily suspended and the manually set temperature request is executed. This continues until the R-key (4) is pressed briefly. The key symbol disappears and the automatic scheduled expiration is now reinstated.

Temperature setting with time control

For a time-controlled temperature settings with predefined default values, proceed as follows: The remote control includes a factory-preset default. If you are satisfied with the predefined default values shown in the table below and you want to change anything, just press the R button (4) on the remote control, the control returns to the operating state and the default settings are executed. The following values are set:

 Wake Up		 Leaving home 1		 Return 1		 Leaving Home 2		 Return 2		 Nights Sleep	
Start-time	Temp.-value	Start-value	Temp.-value	Start-value	Temp.-value	Start-value	Temp.-value	Start-value	Temp.-value	Start-value	Temp.-value
6:00	21°C	8:00	16.5°C	12:00	21°C	14:00	16.5°C	18:00	21°C	22:00	16.5°C

If, however, you want to change individual, or all values, please follow the instruction below.

- Firstly decide if you would like to use the factory settings with 3 x on/off each day or your own bespoke settings with 2 x on/off each day. To change the factory default see the configuration menu on page 8 of this instruction.
- Turn on remote control at the on/off button (1)
- Press the P-key (3). #1 will appear in the screen indicating the first (On).
- The time will be flashing at the top of the screen. This can be adjusted up or down by pushing the keys (6/7).
- When your time is set push the clock button (2). This will save the start time and move across to the temperature required.
- This can again be adjusted by pushing the keys (6/7). When this is complete push the P-key (3) to move across to the next programme.
- #2 will now be flashing indicating the first off setting.

- Firstly set the time to end the first programme.
- Now push the clock button (2) to set the temperature required when the heater is off.
- This can be set as low as 5°C meaning the heater will only activate should the room temperature drop below this figure. If you would like to reduce this further see the configuration menu on page 8 of this instruction.
- Follow the guidelines above through every day until complete.
- If you wish to escape this menu at any time simply push the (R) button.

Frost Protection mode.

Simply turn the rempote control screen off in the top left hand corner. The screen should be showing the time, current room temperature and system*.

This will leave the heaters off their set programmes and only activate should the room temperatures fall below 5°C.

Holiday Mode.

- With the screen turned on push and hold the P-key (3) for 3 seconds.
- A small suitcase will appear in the top of the screen indicating the holiday mode is active.
- Push the clock button (2) to increase the number of days required up to a maximum of 99 days.
- The P –key (3) can be pushed to reduce the amount of days.
- Now set the desired temperature by pressing the arrow keys (6/7) on the value that you want to keep in your absence. The factory setting is 10 ° C.
- Finally press the R-key (4) to record the set data.
- When the set days of absence are finished the controller will automatically return to the programmed operation.

Reset Function

On the right front of the remote side of the display, there is a small hole (5) for the reset (return to factory setting). In the event that a factory reset is necessary, use a corresponding object (such as a straightened paper clip) and run this gently into the slot, and press so that the inner knob. Remove the item carefully back from the opening. The remote control is now reset to the factory delivered state.

Operation of alpha remote heater without the remote control

Although the alpha heater is designed to run in conjunction with the remote control screen, there may be instances where the heater needs to be used without the screen. This should be only in emergencies or for short periods of time. This could be due to the following:







- Forgotten to buy batteries despite the low battery indicator flashing.
- Control screen is missing or damaged.

In these circumstances simply turn the power on to the heater at the main switch at the rear. With the red LED turned off, push and hold the receiver on/off button for 10 seconds. Keep it pushed in even when the yellow LED pairing light illuminates until the green LED lights up denoting „calling for power“. Remember the heater is under no external control whatsoever and is your responsibility to be switch it off manually.

Finally, check your program inputs

Before you can run a program with newly entered data, you should be sure that everything has been entered, as it was planned. Always check before executing the entries.

Press the P-key (3). It will now show the set input information for each on/off and day. If the entry is correct, press the P button (3). You can also make changes and then press the P key. Proceed as explained in previous chapters, the entire input for the week.

Adjustment Tag	 Wake Up		 Leaving home1		 Return 1		 Leaving Home 2		 Return 2		 Nights Sleep	
	Start Time	Temp Value	Stop Time	Temp Value	Stop Time	Temp Value	Start Temp	Temp Value	Start Time	Temp Value	Stop Time	Temp Value
Mon.												
Tue.												
Wed.												
Thu.												
Fri.												
Sat.												
Sun.												

General Technical

Voltage 230V/50Hz

Class 1 must be fully earthed

Protection class IP20 not for use in bathroom zones.

Colours: RAL 9010 white – RAL9005 black – Both 30% polyester matt

Remote control 2x1,5V IEC LR6 (AA) alkaline batteries

Battery warning indicator

Error warning signal loss Frequency 433MHz

Other products and accessories for electric heating for radiators and towel rails

Electric immersion heaters without control devices - for heating radiators and towel rails			
			
			
Electric immersion heaters with controllers - For heating of towel rails			
			
Valves and fittings of all kinds - For radiators and heated towel rail			
 HB-V120	 HB-V121		
 HB-V252			
		Various models of electric panel radiators	



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