



 **Electric heater user manual**

General Information	Page 3
Guarantee conditions	Page 3
Manual on assembly of the wall bracket	Page 4
Thermostat user guide	Page 5-6
App user guide	Page 7-9



## General Information

### Safety instructions

Please read the user manual of your new AeroFlow® electronic radiator and the information listed here carefully. Store these instructions in a safe place and pass them on to the following user/owner if necessary. The electronic heating you have just purchased is only suitable for heating inside enclosed rooms. Damaged devices (e.g. damaged connecting cables) must not be operated. Our radiators are tested according to the applicable IP protection class when properly installed (International Protection Code – in this case: Protected against spray water). In the fixed electrical installation, a separating device with at least a 3mm contact opening shall be provided on each pole (for example, a safety device, residual current circuit breaker). Substances which are prone to ignition or thermal decomposition (e.g., adhesives of floor coverings) may only be used if it is certain the heater has been cooled to room temperature. The heater must not be placed directly below a wall socket. The radiator is not intended to be used by persons (including children) with limited perceptual abilities or by people with lack of experience and / or lack of knowledge of using it. Unless they are supervised by a person responsible for their safety or have received instructions from this person on how to use the radiator. Children should be supervised to ensure that they do not play with the radiator. Do not turn on the heater immediately after it has been transported in cold weather conditions. The heat inside the house may cause condensation which can lead to mechanical damage or short-circuits. After a change in temperature leave the heater for a few hours to adjust to the room temperature.

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 that 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 has to be given where children and vulnerable people are present.

### Electrical connection

Your AeroFlow® electric radiator system is suitable for fixed connection to wall sockets or operation from power sockets. An electrician must be consulted when installing it via a wall socket. If the mains connection cable of the radiator is damaged, it needs to be replaced by us or a suitably qualified electrician in order to prevent danger and additional damage. The radiator may only be operated with a thermostat directly on the radiator or with an external control. The heating control must always be performed using a suitable room thermostat.

### Installation

Our devices are mounted horizontally on the wall. Attachment to the ceiling is not permitted. The radiator should normally be installed under a window or on an external wall. Please ensure that the radiator can radiate into the room as freely as possible. You can find our detailed installation information on Page 4.

### Heating

The radiator is controlled via the externally or internally installed room thermostat. A higher setting means a longer operating time. Please refer to the operating instructions of the room thermostat on the following pages. It is possible that a slight odour can develop during initial commissioning, since some materials still have to emit fumes. This does not pose any threat, and it will stop after a period of time. Please ventilate the rooms well if necessary.

### Overheating protection

For your safety, the heater is equipped with a temperature switch integrated in the heating system. If the radiator is not heated in the permitted manner (e.g. by covering or blocking) the radiator switches off automatically. The covering of the heater (e.g. through towels) during operation is not permissible, it is a fire hazard! Any resulting defects on a temperature switch and the resulting costs for the repair shall be borne exclusively by the party causing the damage. A towel rail suitable to our heaters may be purchased at specialist shops.

### Malfunctions

If the radiator does not emit any heat, please check that the thermostat is preset to the desired temperature. In addition, it is essential to check that the local power distribution is switched on or that the fuse is in working order. If you encounter such malfunctions, please contact your installer. In the event of a complaint being addressed to us, the serial number of the device is required for order processing. You will find this information on the rating plate.

### Cleaning the device

Switch the radiator off before each cleaning sequence and allow it completely cool down. Only wipe the radiator off with a soft, damp cloth and do not use any chemical detergents or abrasive. A correspondingly designed cleaning brush can be used for the cleaning of the slats (not included). We offer you an appropriate product in our online shop for purchase in the accessories section.



### Disposal of electrical equipment

The equipment marked with this symbol, and thus also the electric radiators, must not be disposed of with household waste. Under our production responsibility as a manufacturer, we are committed to environmentally friendly treatment and recovery of waste equipment. The placing on the market as well as the collection and recovery of electrical equipment in the European Economic Area (EEA) are essentially governed by Directive 2012/19/EU on waste electrical and electronic equipment and its national transpositions.

The radiator can be taken to a recycling centre for electrical and electronic equipment. For further information on the collection and disposal of used equipment, please contact your dealer or local authorities. If necessary, provide the following WEEE number: DE 46197075. Disposal outside Germany: Dispose of the equipment professionally and properly in accordance with the local laws and regulations.

Proper disposal and recycling of raw materials contribute to the protection of the environment. By using raw materials in a conscious and cost-effective way, you care about yourself and your loved ones.

Tips for handling used equipment: Disconnect the mains plug! Cut off the power cord and discard it with the plug! Do not let children play with worn equipment!

Disposal of equipment packaging The packaging is used to protect the equipment from damage during transport. All packaging materials should be disposed of in accordance with the applicable legal regulations. For more information, contact the local authorities. The packaging material used is environmentally friendly and suitable for reuse or recycling. The corrugated board used reaches a recycling rate of almost 100%. The transparent protective films are made of completely harmless and food-safe polyethylene (LDPE), the lashing straps are made of polypropylene (PP) and the covers are made of polyethylene polymers (PE\_PR). These materials form pure hydrocarbon compounds and are recyclable. By recycling or re-using packaging materials, the consumption of raw materials and the amount of residues and waste can be reduced.

Caution: Packaging materials are not toys. Do not let children play with them. Risk of suffocation by films and folding cartons.

## Guarantee conditions

For this product, we provide a 30-year warranty on the area of heat generation and usability of the basic unit as well as a 2-year warranty on the control technology, the spare parts and the accessories.

In other respects that statutory warranty shall apply. Our warranty conditions regulate the additional warranty claims, which are in addition to the statutory warranty claims of the customer.

The warranty conditions apply only to devices which are purchased by the end user as new devices. A guarantee obligation does not come about insofar as the final customer purchases a used device or for its part a new device from another end customer.

The warranty is provided if a manufacturing and/or material fault occurs during the warranty period on our radiators and the accessories.

Within the warranty period that commences upon the delivery date, we will remedy free of charge any malfunctions that are demonstrably due to a material defect or defective performance.

Our guarantee includes the free exchange of defective parts as well as the provision of free spare parts during the warranty period.

We are only liable if the function of the radiator is impaired and the defect is not caused by negligent, intentional or improper handling, use of force, transport, misuse, connection to incorrect mains voltages, failure to observe the appropriate operating instructions or installation instructions, improper cleaning or corrosion damage due to caustic water, by chemical and / or electrochemical effects or by normal wear and tear.

The warranty will become void if the unit has been subjected to interventions or attempted repairs by persons who have not been authorised to do so by us. Please note that dismantling of the heater by the customer or third parties is fundamentally not permissible. If there is a violation this warranty entitlement shall cease to apply.

The possible replacement of the radiator side part (e.g. when changing the control technology) and / or the possible shortening of the connecting cable (e.g. removal of the earthed plug for the purpose of producing a fixed connection) does not lead to a loss of warranty, insofar as no intervention in or manipulation of electronic components takes place, beyond the necessary extent of the modification to be performed, and the correspondingly permissible work is performed by a qualified expert.

The warranty covers the careful inspection of the radiator or the accessories whereby it must be initially determined whether a warranty claim applies. In the event of a claim under the warranty we solely decide in which manner the fault shall be rectified. We are at liberty to replace a radiator or accessory or to perform a repair. During the warranty period, we assume all material and transport costs within the scope of this warranty.

In addition to the above-mentioned warranty service, the end customer cannot assert any claims for indirect damage or consequential damage caused by the device, in particular for compensation for damages incurred outside the device. Statutory claims of the customer against us shall remain unaffected by this clause. Warranty claims must be reported to us before expiry of the warranty period, within one week of the defect being detected.

With the type-specific dimension table, you can obtain the correct positioning for the U-rails and the holders for the correct mounting and fixing of the radiator.

Radiator type	Dim X in mm	Dim Y in mm	Radiator type	Dim X in mm	Dim Y in mm
AF01E	232	405	AF10E	232	1040
AF03E	466	405	AF12E	766	120
AF05E	766	405	AF13E	1066	120
AF07E	1066	405	AF14E	1366	120

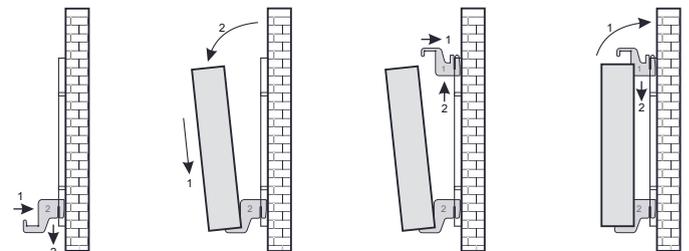
For the assembly please perform the following steps:

1. The two U-rails must be fixed to the wall whilst observing the minimum distances and depending on the type-specific X/Y-dimension.
2. The two holders marked with the number 2 are to be inserted into the U-rails at the bottom.
3. Following this the radiator is hooked into the lower holders and tilted forward at an angle. Hold the radiator while doing so!
4. The two holders marked with the number 1 are to be inserted into the U-rails at the top and temporarily pulled up.
5. Finally, place the radiator in a vertical position and press the upper holders down until the heater is completely fixed in place.

## Fixing the wall brackets

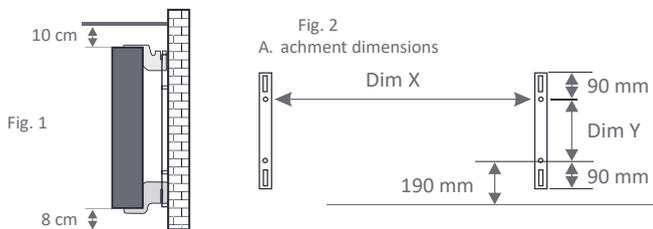
Only the wall bracket supplied may be used for wall mounting! The latest regulations according to VDE 0100 part 701 must be complied with for the installation and operation in damp rooms.

The device may not be mounted directly under a wall socket. In order to avoid excessive heat radiation upon the wall socket, a certain safety distance must also be taken into account between the radiator and the wall socket. This distance is largely determined by the material quality and heat resistance of the locally installed socket and therefore can not be assessed by us. We assume no liability for improper handling and possible damages resulting from this. In case of doubt, consult a specialist before installation. Suitable screws and dowels must be used depending on the type and condition of the wall material. When positioning the wall bracket and the heater, please always observe the stipulated minimum distances (see the following figures).

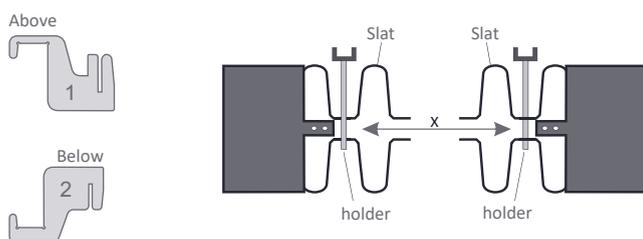


### Note - alignment of the temperature sensor

The temperature sensor is attached to the bottom of the radiator in a clip. If, due to the placement of the device in a niche or corner, the room temperature and the measured temperature is influenced, the sensor can be removed from the clip. The distance to the radiator can be increased by turning the connection cable of the sensor. **The best way to correct the temperature is in the menu settings, "Temperature sensor calibration".**



All radiators have four temperature-resistant holders, which guarantee optimum fixing of the heater. Please note the correct hanging position of the upper (marking 1) and lower (marking 2) holders on the heater (see following figures).



**Wifi Heater Manual**

<p>Search for the Smart life or the Smart RM APP on Google play or Apple Store to download it.</p> 	<p>When the heater is powered on, press and hold both  and  to activate the two flashing connection icons APP advance setting password is 123456</p>
--	--

**Display icons**

-  Auto mode     Open window     Child lock     Antifreeze mode
-  Manual mode     Manual mode
-  Holiday mode     On heating
-  WIFI connection, flashing EZ distribution mode
-  Cloud icon: flashing AP distribution network mode

 Standby Key

Short press toggles the heater on/off  
Wakes up the screen  
Press and hold to turn the heater off

 Multifunction/confirmation key

Short press to choose Manual or Auto mode  
In holiday mode, short press into Manual mode  
When powered on, press and hold to enter Mode setting  
In Mode setting, short press to confirm  
When powered off, press and hold to enter advanced options menu (1-14)

 Press both multi-function and down arrow together 

When powered on, press and hold both to enter App Connection mode (two flashing icons)

 Down arrow

Press and hold to activate the child lock function which will show the icon  or remove it  
Short press to display setting temperature or decrease

 Up arrow

When in auto mode, short press  or  to enable temporary Manual mode  
Short press to display setting temperature or increase

**Setting the time**

Turn on the heater, followed by a long press of the multi-function button  to enter settings interface, then a short press  or  to choose 01, then another short press of the multi-function button  to set the time.

Next, press  to choose the hour, minute and week, and then a short press  or  to amend.  
Press  to exit.

**Programming**

Turn on the heater, then a long press of the multi-function button  to enter the settings interface, followed by a short press of  or  to choose 02, then another short press of  to program, and short press  to choose the day, the hour and one of the four modes: ECO, FROST, COMFORT or OFF.

Then a short press of  or  to change the value.

Once finished, press  to exit.

**Holiday mode**

Turn on heater, press and hold  to enter settings interface, then a short press of  or  and choose 03, followed by a short press of  to enter, then another short press of  and choose the days and temperature, using a short press of  or  to change the value.

Once finished, press  to exit.

**Advanced options menu**

Turn off the heater using a long press of , then another long press of  to enter the advanced menu below.

Short press the  icon to choose the required option, and then short press  or  to change the value.

No.	Items	Parameter	Default
1	Measure Temperature Calibration	- 9 to + 9C	-1
2	Temperature monitoring	0.5 - 2.5C	1C
3	Comfort Temperature	5 ~ 35 C	25C
4	ECO Temperature	5 ~ 35 C	15C
5	Frost Temperature	7 ~ 16 C	7C
6	Child lock	0 : Half lock ; 1 : Full lock	0
7	State after powering on	0 : Power on in Last state 1: Power on in Off state 2 : Power on in On state	0
8	Standby display	0: Blank Display 1: Display the temperature 2: Display the temperature brightly	2
9	Open window temperature	 :close  :open	--
10	Open window triggers temperature	10~20C drop	10
11	Open window running time	10~20min	10
12	Voice prompt	00:Cancel 01: Key sound 02: Key sound and Alarm	02
13	Adaptive start	 :close  :open	
14	Reset	Press and hold  key until all of the digits flash up on the screen	

**Sensor fault display:** If you have a sensor fault showing “E1” or “E2” please contact Electrorad for advice on resolution.

**Specification**

Power : 240±10%Vac 50/60HZ      Sensor: : NTC(10k)1%      Current:16A (WE)  
Set temperature range 1~70°C  
Default set temperature range : 5~35C Accuracy : ±0.5C

**Warranty**

We offer a 2 year warranty, which is applicable from the date of sale.

**Preparation required for WiFi Connection:**

You will need a smart phone or tablet and wireless router. Connect the wireless router to the mobile phone and record the WIFI password [you will need it when the thermostat is paired with the WiFi].

**Step 1 Download your app**



Android users can search “Smart RM” or “Smart life” on Google Play, iPhone users can search “Smart RM” or “Smart life” in the App Store. Alternatively you can scan the QR code above

**Step 2 Register your account**

- After installing the app, click “register” (Fig 2-1)
- Please read the Privacy Policy and press Agree to proceed to the next step. (Fig 2-2)
- Registration account name uses your Email Or mobile phone number. Select Region, then click “Continue”(Fig 2-3)
- You will receive a 6-digit verification code via email or SMS to enter your phone (Fig 2-4)
- Please set the password, Password must contain 6-20 letters and numbers. click “Done”(Fig 2-5)

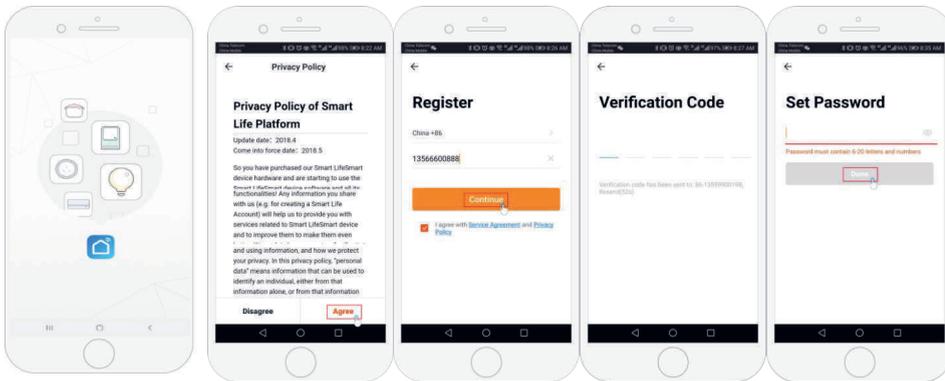


Fig 2-1                      Fig 2-2                      Fig 2-3                      Fig 2-4                      Fig 2-5

**Step 3 Create family information(Fig 3-1)**

1. Fill in the family name (Fig 3-2 ).
2. Select or add a room (Fig 3-2).
3. Set location permission (Fig 3-3) then set thermostat location (Fig 3-4)

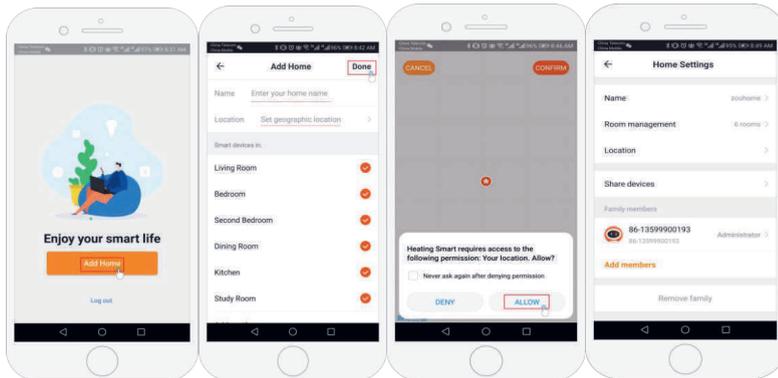


Fig 3-1                      Fig 3-2                      Fig 3-3                      Fig 3-4

### Step 4a Connect your Wi-Fi signal (EZ connection mode)

1. Go to your Wifi setting on your phone and make sure you are connected via 2.4g and not 5g. Most modern routers have 2.4g & 5g connection. 5g connections do not work with the thermostat.
2. On the phone press "Add Device" or "+" in the upper right corner of the app to add the device (Fig 4-1) and under the small appliance section select the device type "Thermostat" ( Fig 4-2)
3. With the thermostat powered on, press and hold  and  at the same until both icons (  &  ) flash to indicate the EZ distribution mode. This can take between 5-20 seconds.
4. On your thermostat confirm   icons are rapidly blinking and then go back and confirm this on your app. Enter the password of your wireless router this is case sensitive (fig 4-4) and confirm. The app will connect automatically ( Fig 4-5) This may typically take up to 5~90 seconds to complete.

If you get an error message make sure you have entered your correct Wi-Fi password (case sensitive typically found on the bottom of your router) and that you are not on your Wi-Fi's 5G connection.  
Your room name can be edited when the device is connected.

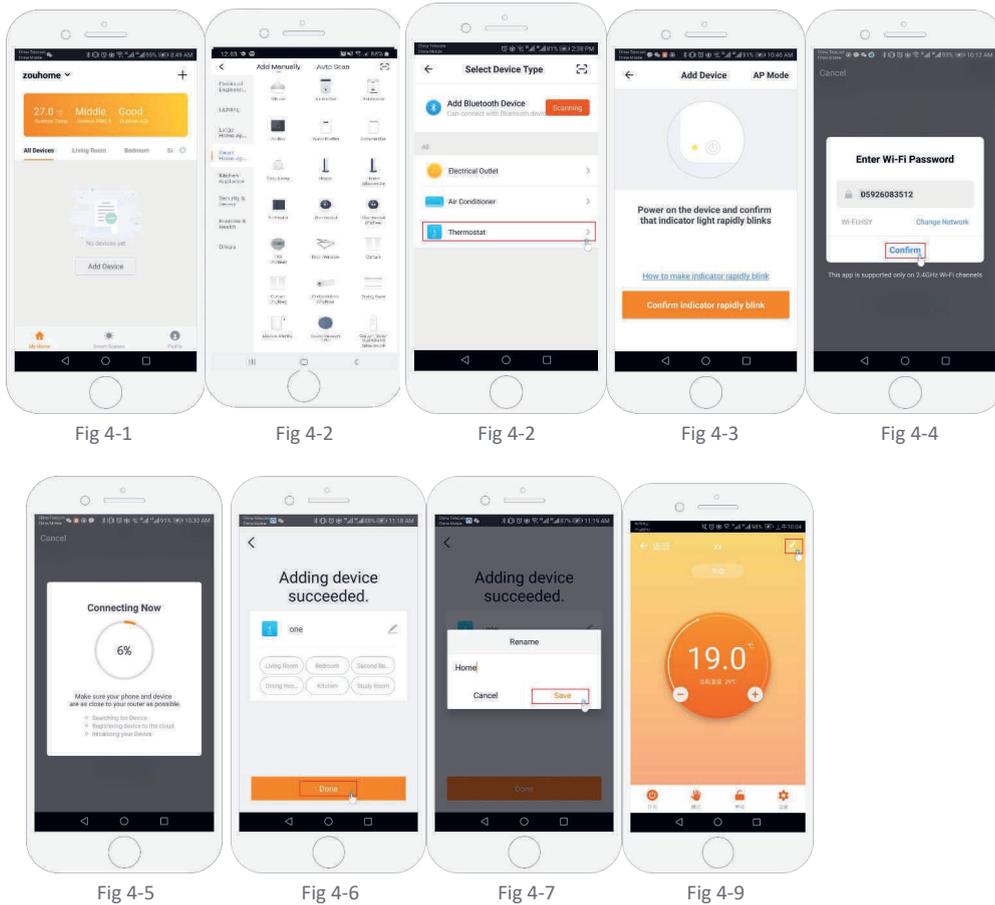


Fig 4-1      Fig 4-2      Fig 4-2      Fig 4-3      Fig 4-4  
 Fig 4-5      Fig 4-6      Fig 4-7      Fig 4-9

### Step 4b (Alternative method) (AP mode pairing) Only do this if step 4a failed to pair the device

1. On the phone press "Add Device" or "+" in the upper right corner of the app to add the device (Fig 4-1) and under the small appliance section select the device type "Thermostat" and click AP Mode in the top right corner. ( Fig 5-1)
2. On the thermostat press power on and then press and hold "  " and "  " until  flashes. This can take between 5-20 seconds. If  also flashes release buttons and press and hold "  " and "  " again until just  flashes.
3. On the app click "confirm light is blinking", then enter the password of your wireless router ( fig 4-4)
4. Press "Connect now" and select the Wifi signal (Smartlife-XXXX) of your thermostat ( Fig 5-3 and 5-4 it will say internet may not be available and ask you to change network but ignore this.
5. Go back to your app and click "Connect" then the app will connect automatically ( Fig 4-5)

This may typically take up to 5~90 seconds to complete and will then show confirmation (Fig 4-6) and allow you to change the thermostat name (Fig 4-7)

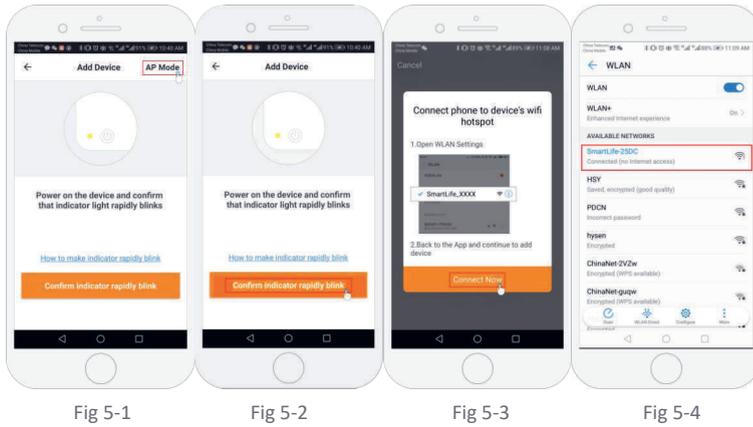


Fig 5-1

Fig 5-2

Fig 5-3

Fig 5-4

### Step 5 Programming a daily schedule

First, press the Program button.

Program setting allows you to choose the mode of your daily schedule (Frost, Off, Eco or Comfort) for every hour of the day and week, in one hour blocks.

Press the arrow in the top left to confirm your choices.

Then press the Mode button and select program to engage it.

To amend the Temperatures associated with the programmed states ie Comfort, press the Settings button and select one of the three to change.

### Additional Features

**Holiday Mode:** You can program the thermostat to be on for a set temperature for up to 30 days so that there is background heat in the house while you are away. This can be found under in the settings section where you can edit the Temperature setting and Time setting in days.

**Lock Mode:** This option allows you to remotely lock the thermostat so no changes can be made. This can be done by entering the settings and toggling the Child Lock switch.

**Grouping devices:** You can link multiple thermostats together as a group and control them all simultaneously by creating a room using the three dots to the right of 'All Devices' and adding in each of the heaters you would like to control once you confirm the selection you will be able to name the group.

**Family Management:** You can add other people to your family and allow them to control the devices you have linked. To do this you need to go back to the home page and click on the family name in the top left corner and then click on Family Management. Once you have selected the family you wish to manage there will be an option to Add Member, you will need to enter the mobile number or email address they have registered the app with to send them an invitation. You can set whether or not they are an administrator which allows them to make changes to the device ie removing it.

Table 2 of the COMMISSION REGULATION (EU) 2015/1188 as of 28 April 2015															
Information requirements for electric local space heaters															
Model identifier(s):		AF01E	AF03E	AF05E	AF07E	AF10E	AF12E	AF13E	AF14E	Item				same for all listed models	
Item	Symbol	Unit	Value	Type of heat input, for electric storage local space heaters only (select one)				Unit							
<b>Heat output</b>															
Nominal heat output	$P_{nom}$	kw	0,65	1,30	1,95	2,45	1,60	1,20	1,60	2,00	manual heat charge control, with integrated thermostat				N/A
Minimum heat output (indicative)	$P_{min}$	kw	0,65	1,30	1,95	2,45	1,60	1,20	1,60	2,00	manual heat charge control with room and/or outdoor temperature feedback				N/A
Maximum continuous heat output	$P_{max,c}$	kw	0,52	1,092	1,796	2,00	0,87	1,057	1,26	1,62	electronic heat charge control with room and/or outdoor temperature feedback				N/A
<b>Auxiliary electricity consumption</b>															
At nominal heat output	$e_{max}$	kw	0,0241	0,0241	0,0241	0,0241	0,0241	0,0241	0,0241	0,0241	fan assisted heat output				N/A
At minimum heat output	$e_{min}$	kw	0,0241	0,0241	0,0241	0,0241	0,0241	0,0241	0,0241	0,0241	Type of heat output/room temperature control (select one)				
In standby mode	$e_{sb}$	kw	0,0168	0,0168	0,0168	0,0168	0,0168	0,0168	0,0168	0,0168	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 room temperature control				no
											electronic room temperature control plus day timer				no
											electronic room temperature control plus week timer				yes
<b>Other control options (multiple selections possible)</b>															
											room temperature control, with presence detection				no
											room temperature control, with open window detection				yes
											with distance control option				yes
											with adaptive start control				yes
											with working time limitation				no
											with black bulb sensor				no
Contact details	Electrorad UK Ltd, 5-7 Bramley Business Park, Railsfield Rise, Bramley, Leeds, LS13 3SA														

# warranty certificate

This product family is available for a healthy indoor climate and cost-conscious heating. Our years of development work and a modern production process are the prerequisite for the longevity and high stability of value of your product.



**30-year Warranty on Ceramic Heat Plates and Radiator Body  
2 years on the Thermostatic control**

With the purchase of this device, you have decided for an innovative quality product of the absolute top class. We thank you for your trust.

Electrorad UK Ltd  
5-7 Railsfield Rise  
Bramley  
Leeds  
LS13 3SA  
West Yorkshire

Telephone: 0113 2746799

Fax: 0113 2756096

Email: [sales@electrorad.co.uk](mailto:sales@electrorad.co.uk)  
[www.electrorad.co.uk](http://www.electrorad.co.uk)