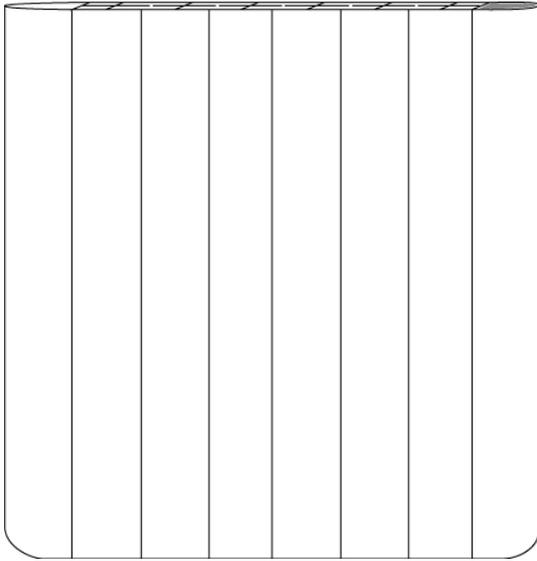


DELTA THERMIE

Users Manual

Aluminium Radiator

HD-FL Serie



Please read this manual carefully before use

IMPORTANT SAFEGUARDS

When using an electrical appliance, basic safety precautions should always be observed, including the following:

READ ALL INSTRUCTIONS BEFORE USING

WARNING: To reduce the risk of fire, electrical shock, or injury to person:

1. The product is for household use only.
2. Connect the appliance to single-phase AC supply of the voltage specified on the rating plate.
3. In order to avoid overheating do not cover the heater.
4. Never leave the heater unattended while it is in use. Always turn the product to the OFF position and unplug it from the electrical outlet when not in use.
5. Extreme caution is necessary when any heater is used by or near children, invalids or elderly person and whenever the heater is left operating and unattended.
6. The heater must not be located immediately below an electrical Socket-outlet.
7. Do not run cord under carpeting and do not cover cord with throw rugs, runners or the like. Arrange cord away from traffic area and where it will not be tripped over.
8. Do not operate the heater with a damaged cord or plug, or after the heater malfunctions, has been dropped, or damaged in any manner.
9. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or a similarly qualified person in order to avoid a hazard.
10. Avoid the use of an extension cord as this may overheat and

cause a risk of fire.

11. Use the heater in a well-ventilated area. Do not insert or allow objects to enter any ventilation or exhaust opening. To prevent a possible fire, do not block air intakes or exhaust openings in any manner. Do not use on soft surfaces, like a bed, where openings may become blocked. Use the heater on flat, dry surfaces only.

12. Do not place this heater near flammable materials, surfaces or substances, as there may be a risk of fire. Keep the above flammable materials, surfaces or substances at least 1m from the front of the product and keep them away from the sides and rear.

13. Do not use the heater in any areas where petrol, paint or other flammable liquids are stored e.g. Garages or workshops as a hot, arcing or sparking parts inside the heater.

14. Don't use this heater in the immediate surroundings of a bath, a shower or a swimming pool with floor standing mode. Never locate the heater where it may fall into bathtub or other water container.

15. Never touch the heater with wet hand. The heater should be installed so that can not be touched by a person using a bath or shower.

16. This heater is hot when in use. To avoid burns and personal injury, do not let bare skin touch hot surfaces.

17. Before moving the heater, please must unplugged it and let it cool down for 15 minutes. If provided, use handles when moving the product.

18. Be sure that no other appliances are in use on the same electrical circuit as your product as an overload can occur.

19. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given

supervision or instruction concerning use of the appliance by a person responsible for their safety.

20.Children should be supervised to ensure that they do not play with the appliance.

21. This heater is filled with a precise quantity of special oil.

22. Repair requiring opening of the oil container are only to be made by the manufacturer or his service agent who should be contacted if there is an oil leakage.

23. Regulations concerning the disposal of oil when scrapping the appliance have to be followed.

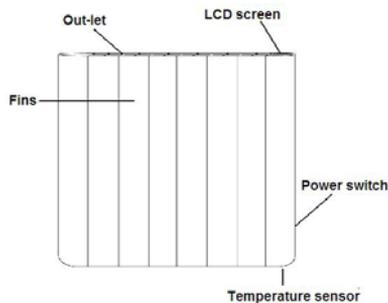
FOR HOUSEHOLD USE ONLY

SAVE THESE INSTRUCTIONS

SPECIFICATIONS

MODEL NO	NET SIZE	RATED VOLTAGE	RATED POWER
HD-FL-4	490X590X80mm	~230V/50Hz	600W
HD-FL-5	570X590X80mm	~230V/50Hz	900W
HD-FL-7	730X590X80mm	~230V/50Hz	1200W
HD-FL-9	890X590X80mm	~230V/50Hz	1500W
HD-FL-11	1050X590X80mm	~230V/50Hz	1800W

STRUCTURE AND PARTS

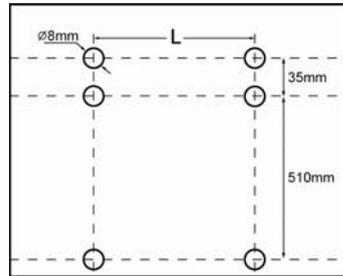
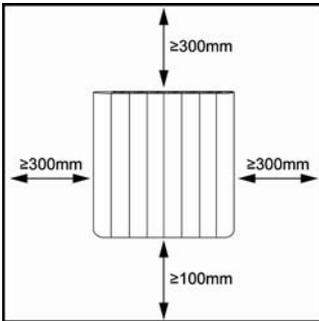


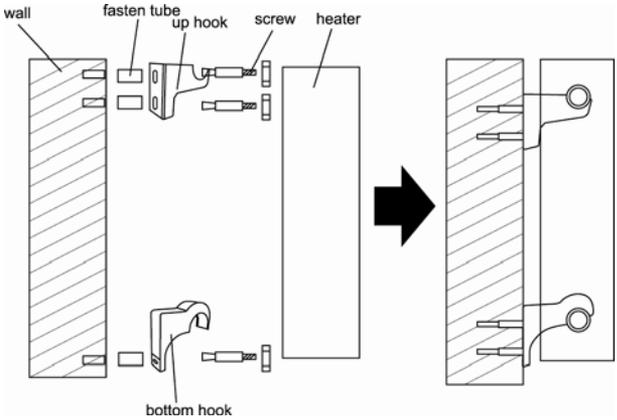
CHARACTERISTIC

1. 1 heat setting
2. Over heating protection
3. With digital LCD
4. Room temperature setting
5. Room temperature sensor
6. Digital clock, digital week calendar
7. Multi-running mode:
daily program mode, weekly program mode, free use mode
8. Anti-frost function
9. Wall-mount use

INSTALLATION

Used as wall-mounted:





(1) Drill holes on the wall according to the picture.

Warning: Be sure to keep the distance between the heater and floor, wall and so on accordingly.

(2) Fit the fasten tube in the holes.

(3) Fit the up-hook on the wall with screws.

(4) Hang the unit on the up-hook.

(5) Fit the bottom hook between 2 fins at the bottom of unit.

(6) Fasten the bottom hook with screw.

The distance of hanging hole is as follows:

Model	HD-FL-4	HD-FL-5	HD-FL-7	HD-FL-9	HD-FL-11
L(mm)	160	240	400	560	720

INSTRUCTIONS FOR USE

Warning: Before using the heater make sure that it is mounted tightly on the wall. Damage may occur if it is placed on an incline or decline.

The control system is with following functions:

1. With digital LCD to let you know the working situation of the unit.
2. Room temperature setting to enable you to set the desired room temperature.
3. Room temperature sensor to control the heating of the unit according to your desired room temperature.
4. Digital clock, digital week calendar.
5. Multi-running mode:
daily program mode, weekly program mode, free use mode
6. Anti-frost function

Control panel and LCD screen

Control panel:

There are total 5 buttons on the control panel as follows:



-----Power stand by switch



-----Date and time settings; Timer settings; Shift the working mode

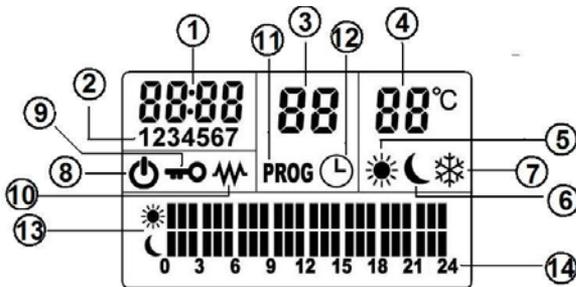


-----Select running mode;
Set program;

⬆️ -----Increasing;

⬇️ -----Decreasing;

Screen:



- ① Clock, ② Date, ③ Program name,
- ④ Target temperature, ⑤ Comfort, ⑥ Economic,
- ⑦ Anti-frost, ⑧ Stand by, ⑨ buttons lock, ⑩ heating,
- ⑪ program setting, ⑫ timer, ⑬ program contents,
- ⑭ solid time mark

Rationale:

There are 3 running modes: free **Fr**, daily **P1 ~ P9** and weekly **AU**.

Free use mode (Fr): It will include normal mode and timer mode (L);

Daily mode (P1 ~ P9): There are total 9 daily programs.

Every program is combined with 3 working modes: comfort(☀️ and 🔌), economic(🌙 and 🔌) and anti-frost(❄️ and empty).

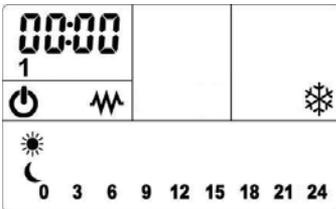
every day(24hours) is divided into 24 segments evenly. Every segments will be filled in with one working mode to combine a daily program. All the setting for daily program will be kept in memory by the unit. If a daily program is selected, the unit will repeat this program every day.

Weekly mode:

Selecting one daily program (from daily programs P1-P9) for every day in a week to combine a weekly program.

How to use:

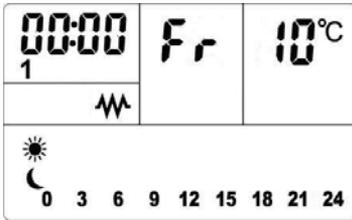
1. Plug and switch on the unit. For the first time use, the screen will showed as follows:



Press , then  disappeared and unit get into free normal mode(note: units always get into free normal mode from stand by mode).

2-1.Free program:

For the first time use, the screen will showed as follows:



2-1-1. Time setting:

Press , the hour start to twinkle, use  or  to select hour (0 ~ 23). Press  again, the minutes start to twinkle, use  or  to select minute(0 to 59); Pressed  again, date start to twinkle, use  or  to select date (1-Monday, 2-Tuesday, 3-Wednesday, 4-Thursday, 5-Friday, 6-Saturday, 7-Sunday); Finally press  to confirm and finish the setting.

(Note: If press  or  without releasing, you can achieve rapid increasing or decreasing;

If there is no pressing, the twinkle would stop after 5 seconds and setting will be finished automatically.)

2-1-2. Temperature setting:

Press  or  to set the target temperature directly and at this moment the temperature starts to twinkle. Press  or  to set the target temperature. Temperature adjustable range is

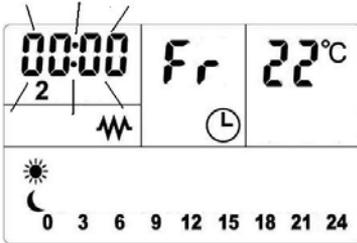
from 10 °C ~ 35 °C.

(Note: If press  or  without releasing, you can achieve rapid increasing or decreasing;

If there is no pressing, the twinkle would stop after 5 seconds and setting will be finished automatically.)

2-1-3.Timer setting(timer mode):

Long-press  (3 seconds) till the  showed. Same time the clock will turn to 00:00 and start to twinkle. This means the timer setting starts (as following):



Press  or  to set the timer length by every press with half an hour (30 minutes). The maximum timer length is 24 hours.

When the timer is over, the unit would enter into standby mode .

(Note: If press  or  without releasing, you can achieve rapid increasing or decreasing;

If there is no pressing, the twinkle would stop after 5 seconds and setting will be finished automatically.)

You can also set time and temperature same as 2-1-1 and 2-1-2.

Quit from timer mode: long press button  (3 seconds) until the  disappeared. The unit automatically return back to free normal mode.

(Note: Once the machine exit free program (enter the day, week program, or standby), and then return to the free program, the unit always enters into the free normal mode first. The original timing model was automatically canceled).

2-2.running mode selecting:

Press  to get into program selecting (Program No. start to twinkle). Pressed  or  to select running mode () and then press  to confirm it . The unit would run following the new selection program.

Note: During this period, if there is no pressing, the selection is automatically completed 5 seconds later.

2-3. Day program

Day program has three kinds of working modes:

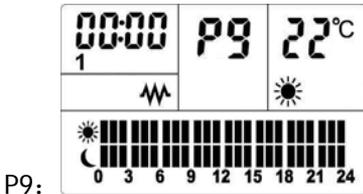
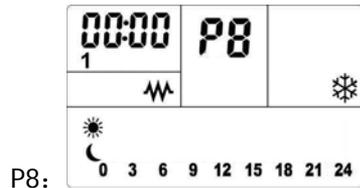
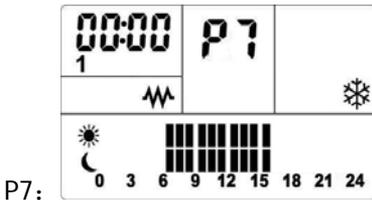
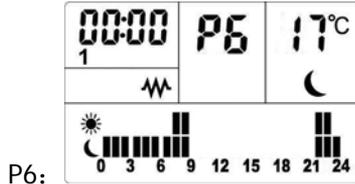
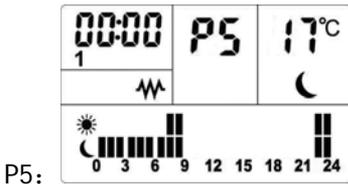
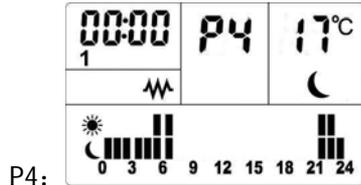
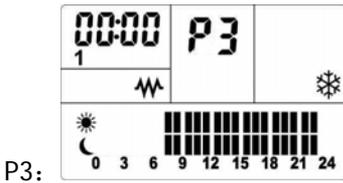
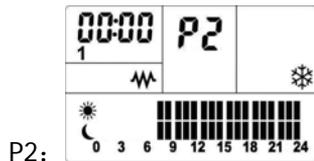
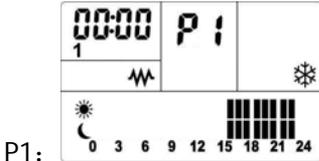
Comfort mode : ( and program content displayed ) , adjustable range from 10 °C ~ 35 °C ;

Economic mode: ( and program content displayed ) , adjustable range of 10 °C ~ 35 °C ; the temperature should no higher than comfortable temperature ;

Anti-frost mode: (❄️ and program content displayed empty),
 7 °C, it's inherent and non-adjustable.

If a daily program was chosen for the work program, the unit
 will repeat the program every day.

Different program used for the first time as follows:



2-3-1. Time setting:

Same as 2-1-1, then the unit will automatically adjust to the current time and running accordingly.

2-3-2. Temperature setting:

Long-press  (3 seconds) until  twinkle, at the same time the original comfort temperature start to twinkle. Press  ,  to set the target comfort temperature. Press  to confirm, and  start to twinkle, the original economic temperature also starts to twinkle. Press  ,  to set the target economic temperature. Use  to confirm it temperature setting is completed, the unit come back to run under comfort mode. The temperature will be kept into the memory.

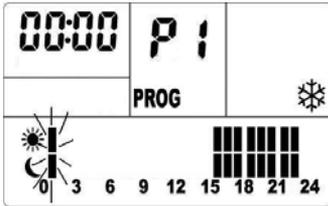
(Note: During this period, if there is no pressing, the setting is automatically completed 5 seconds later.)

2-3-3. Setting Daily program:

Press  to choose the program (from **P1** ~ **P9**) which you want to set. Then long-press  (3 seconds) to enter the program settings, at this time **PROG** displayed on the screen

PROG will showed until the setting is completed, the heating will stop during the setting). The date does not show , time is 00:00.

The mark  starts to twinkle rapidly at the first segment of selected program, such as following (when the selected daily program is P1):



Press  to select the working mode (,  for comfort; ,

 for the economic; , empty for the anti-frost), then

Press  (forward),  (back) to copy the mode into every segment (press without releasing can achieve fast-forward or

fast-back). Finally press  to confirm the program content and exit program setting. **PROG** disappear; the unit comes back to normal work.

Note: daily program setting, the hour will go ahead or return back according to the mark.

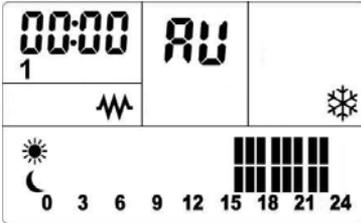
Settings can be terminated at any time during setting. The new content will be retained.

the new program will be kept into the memory and replace the original program.

2-4. Week program:

You may select week program according 2-2. the first use as

following:



2-4-1. Time setting

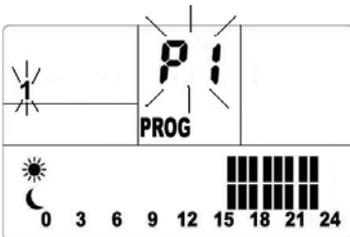
Same as 2-1-1, then the unit will automatically adjust to the current time and running accordingly.

2-4-2. Temperature setting:

Same as 2-3-2

2-4-3. Setting weekly program:

Long-press  (3 seconds) to enter weekly program setting, the time and working mode are no longer displayed, **PROG** showed (**PROG** displayed until the setting finished, the unit stopped heating during the setting), Monday marking begin to twinkle, program name of Monday also twinkl (corresponding program content also shows). The screen is as follows:



Press  ,  to select the daily program from P1~P9 for

Monday (1). Press  to confirm and automatically enter the Tuesday (2). With same method you can select a daily program for everyday in a week . Finally press  to complete week program settings. Then **PROG** Disappear and the unit will run according to new weekly program.

Note: Settings can be terminated at any time during setting. The new content will be retained.

3, Factory pre-setting:

The unit is with a factory pre-setting as follows:

Date: 1 (Monday) clock: 00:00

Anti-frost: 7 °C

Free mode temperature: 10 °C

Daily program Temperature: Comfort: 22 °C economy: 17 °C

Weekly program : 1 ~ 5 (Mon-Fri): P1

6 (Saturday): P2

7 (Sunday): P3

 after 1 minute if you didn't press any button.

Open lock: press  and  at same time.

(3) Time will be clean to **00:00** if you unplugged unit or cut off the power.

(4) This heater includes an overheat protection system that shuts off the heater when parts of the heater are getting excessively hot.

(5)  will showed only the unit is heating.

(6) The units will always get into free normal mode from standby mode;

The unit will return to latest running mode due to suddenly power off after power come back.

MAINTENANCE

1. Always remove the plug from the socket-outlet and allow the heater to cool down before clean it.

2. Wipe the exterior surface of the heater occasionally with a soft damp cloth (not dripping wet) and dry the exterior surface before operating the heater.

WARNING:

Do not immerse the heater in water.

Do not use any cleaning chemicals such as detergents and abrasives. Do not allow the interior to get wet as this could create a hazard.

3. Light accumulated may be removed from the heater with a soft dry cloth.

4. To store away the heater, put the heater back into its original

package and store it in a clean dry place.

5. In case of malfunction or doubt, do not try to repair the heater yourself, it may result in a fire hazard or electric shock.

CONFORMITY WITH DIRECTIVES

This product is CE marked to denote conformity with Directives 73/23/EEC (Low Voltage) and 89/336/EEC (Electromagnetic Compatibility), as amended.

Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.



