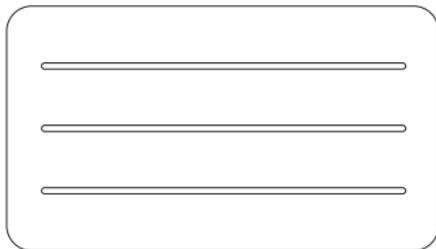
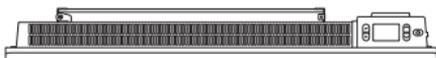
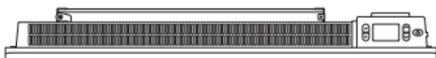


INSTRUCTION MANUAL

Electric Radiator

This manual is for the following models:



NDT10-22B1

NDT20-22B1

Solis

NDT-1522B

Onyx

When the heater is turned on for the first time or when it has not been used for some time, it may release a slight, harmless odour. This odour is a normal occurrence caused by the initial heating of the internal heating elements and will disappear with use

www.firedupcorporation.com/manual

Read ALL the instructions before use.

These instructions are for your safety. Please read through them thoroughly before use and retain for future reference. Failure to follow them could cause injury and/or property damage.

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SAFETY INSTRUCTIONS

- Read ALL the instructions before using this product.
 - Check that the heater and all supplied accessories are present and in fact.
 - Always check your mains supply is the same as that indicated on the product before connecting.
 - Always disconnect the heater from the electrical supply before carrying out cleaning or maintenance. To disconnect the heater, switch controls to OFF then remove plug from the outlet.
 - Always unplug the heater if it is going to be out of use for long periods of time.
 - Never leave children unsupervised in a room where the fire is ON and unguarded.
 - Never insert or force items into the grills on the heater.
 - Do not use the heater near flammable or explosive materials.
 - Do not use the heater if the casing, wire or plug are damaged.
 - Do not use outdoors. Home and indoor use only.
 - Do not use an external controller with the heater. The heater must not be set to switch on when unattended.
 - Avoid the use of an extension cord which may overheat and cause risk of fire. If an extension cord is necessary, it must be rated above the maximum rated power of the appliance. Care must be taken to arrange the cord so that it cannot be pulled or be tripped over.
 - 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.
 - If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
-



WARNING: In order to avoid overheating,
DO NOT COVER THE HEATER

- The heater must not be located immediately below a socket outlet.
 - 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.

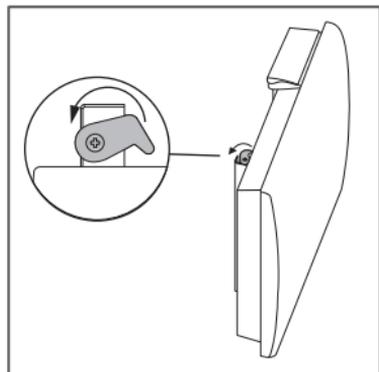
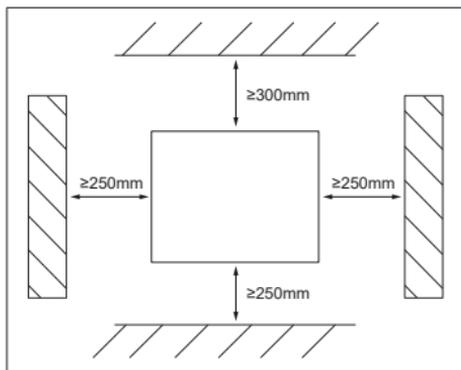
• **CAUTION:** Some parts of this product can become very hot and cause burns. Particular attention has to be given where children and vulnerable people are present.

- This heater is hot when in use. To avoid burns, do not touch hot surfaces such as surfaces around the grille in front of the heater. Never let bare skin touch hot surfaces.
- Do not use this heater in the immediate surroundings of a bath, a shower or a swimming pool.
- Do not use this heater if it has been dropped or if there are visible signs of damage.

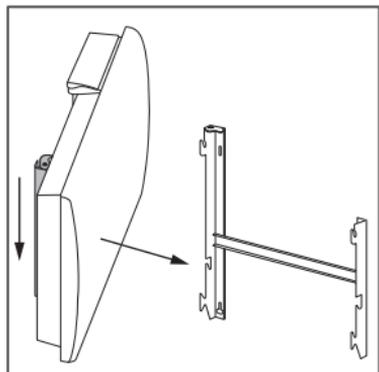
INSTALLATION

Minimum Distances

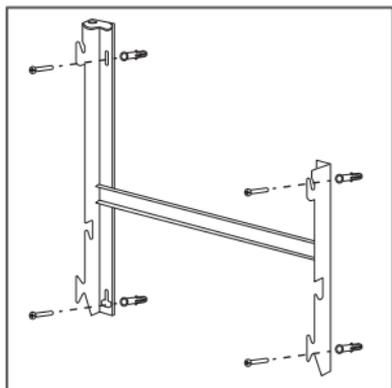
Please ensure the minimum distances from the floor, ceiling and walls are observed and adhered to.



1. Loosen the screw (do not remove) and turn the security clip to release the bracket.



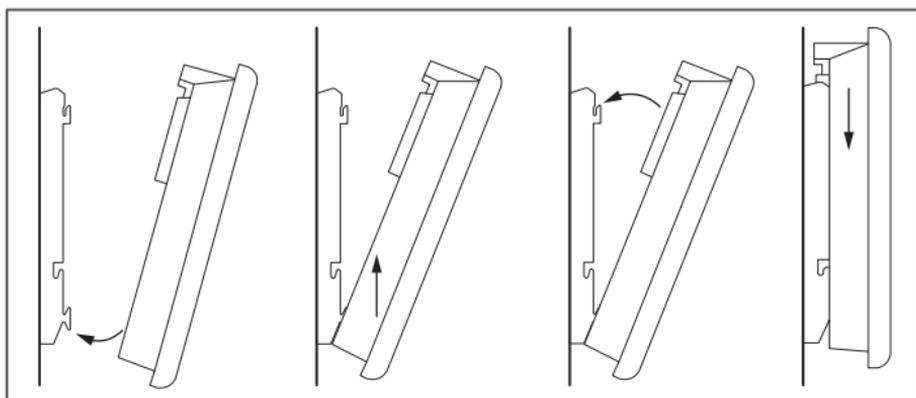
2. Push the bracket down and remove from the hooks.



3. Place the bracket against the wall, ensure it is level and mark the 4 holes on the wall.

Remove the bracket and drill 4 holes approximately 35mm deep and insert the wall plugs.

Fix the bracket to the wall using the screws provided.

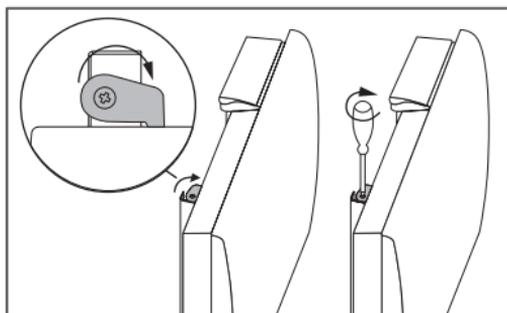


4. Hook the heater onto the bottom hooks.

→ Push the heater upwards to engage the hooks.

→ Rotate the heater and hook onto the top hooks.

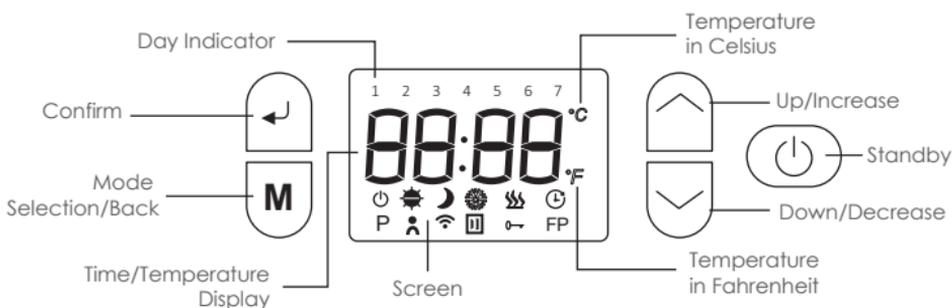
→ Push the heater down to secure onto the bracket.



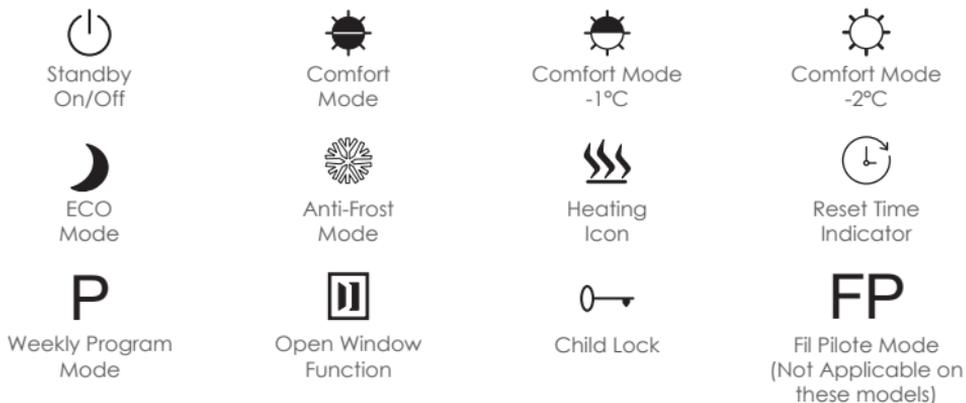
5. Turn the security clip back to its starting position to lock the heater onto the wall bracket.

Tighten the screw in the security clip back up to fix in place.

CONTROL PANEL & DISPLAY



ICONS



OPERATION

Press the Standby key  to turn the heater on or off.

Day and Time Setting

Select the current day and time before use to ensure the heater is working under the correct day and time settings.

Hold the Mode key **M** to enter the time setting screen. The number "1" will flash. Number 1-7 represent the days of the week (1 = Monday, 7 = Sunday).

Press the Up  or Down  keys to select the current day. Press the Confirm  button to select day and move to the "Hour" setting.

Use the Up  or Down  keys to select the hour. Press Confirm  and the heater will move onto setting the minute. Repeat the process to select the minute and press Confirm  to return to the home screen.

During the setting of the day and time, press **M** to return to the previous step.

The device will confirm and return to the home screen automatically if there is no action for 10 Seconds.

Note: The temperature and time will be displayed alternatively on the home screen.

Selecting the Mode

Press the Mode key **M** to cycle through Comfort Mode, Comfort Mode -1°C, Comfort Mode -2°C, ECO Mode, Anti-Frost Mode, Open Window Detection, Preset Programs P1 to P3, Weekly Program Mode and Fils Pilot Mode.

The selected mode will be displayed on screen, press  to confirm selection.

Temperature Adjustment

Press the Mode key **M** and select Comfort Mode , press  to confirm selection.

Use the Up  or Down  keys to adjust the temperature, the temperature range is 5-30°C. The temperature is adjusted in 0.5°C increments. Press  to confirm temperature.

Note: The device will confirm the temperature setting if there is no action for 10 seconds.

- Comfort Mode -1°C  = 1°C LOWER than the set temperature in Comfort Mode .
- Comfort Mode -2°C  = 2°C LOWER than the set temperature in Comfort Mode .
- ECO Mode  = 3.5°C LOWER than the set temperature in Comfort Mode .
- Anti-Frost Mode  = 7°C and cannot be changed.

Note: The Heater icon  is shown on the screen when the heater is reaching the set temperature.

Weekly Program Setting 'P'

The heater is set up with 4 customisable programs. **P** (shown on bottom left of screen) is a blank program to be set up from scratch. **P1**, **P2** and **P3** are preset programs. (See page 08)

Press the Mode key **M** and select Weekly Program mode **P**, press  to confirm selection.

Press and hold both the Mode key **M** and Confirm key  together to enter setup mode for the weekly timer. The '1' on the day indicator will flash.

Select the desired day to setup the program for using the Up  and Down  keys. Press  to confirm the day and move forward to the hour selection. The time will show "00:59" and the hour (00) will blink. (00:59 Means the setting is from 00:00 to 00:59).

Select the time you want to modify using the Up  and Down  keys. Press  to confirm the time and progress to the mode selection. The working mode icon will blink.

Using the Up  and Down  keys, choose between Comfort Mode , Comfort Mode -1°C , Comfort Mode -2°C , ECO Mode  or Anti-Frost Mode  for the hour. Press  to confirm the working mode and move on to the next hour of the chosen day to program.

Repeat this process until the whole day has been programmed (23:59) and press  to confirm and move onto the next desired day, the day indicator will blink and the day can be chosen.

Example, if you wanted to have the heater start the day in Anti-Frost Mode and go into Comfort Mode from 16:00 till 19:00, this is how each hour would have to be set up.

00:59		06:59		12:59		18:59	
01:59		07:59		13:59		19:59	
02:59		08:59		14:59		20:59	
03:59		09:59		15:59		21:59	
04:59		10:59		16:59		22:59	
05:59		11:59		17:59		23:59	

Repeat the above steps until each day has been programmed. Alternatively, pressing and holding both the Mode key **M** and Confirm key together will exit the weekly timer and confirm and save the program so far. The device will confirm and exit the weekly timer setup if there is no action in 30 seconds.

Note: Press the Mode key **M** to return to the previous step.

Preset Programs

The device is set up with 3 preset programs. Press Mode key **M** to select a preset program, press to confirm selection.

These programs are set to work 7 days a week 00:00 to 23:59. Please see the table on the next page for each preset mode P1, P2 and P3.

The preset programs can also be modified. To modify these use the Mode key **M** to select a preset program and press to confirm.

Then press and hold the Mode key **M** and Confirm key to enter the setup for the preset programs. Then follow the steps in the Weekly Timer setup.

P1	Mon-Sun	
	Weekend	
P2	Weekday	
	Weekend	
P3	Weekday	
	Weekend	

Modifying the Preset Programs (P1, P2 and P3)

The preset programs can also be modified. To modify these use the Mode key **M** to select a preset program and press  to confirm.

Then press and hold the Mode key **M** and Confirm key  to enter the setup for the preset programs. Then follow the steps in the Weekly Timer setup.

Open Window Function

When the Open Window function is active, the heater will enter Anti-Frost Mode  if the room temperature drops quickly, as it would if a window was opened. When the room temperature stabilises, the heater will enter Comfort Mode  and begin heating up again.

To activate the Open Window function, press the Mode key **M** to select the Open Window function  and press  to confirm.

To cancel the Open Window function, press the Mode key **M** to select a different working mode or press the Standby key .

Child Lock

To lock the control panel, press and hold the Confirm key  for 3 seconds, until the lock icon  appears. Press and hold the Confirm key  again for 3 seconds to disable the lock.

When locked, the heater can still be turned off using the Standby key . If the power is disconnected, the lock function will be disabled upon reconnecting and restarting the heater.

Fill Pilot (Pilot Wire) Mode FP

This mode is not applicable on these models.

In Case of Power Failure

If the power supply is lost, upon re-powering, the device will beep once and return to the working mode and time before loss of power. However, the Reset Time indicator  will blink to signal that the day and time may be inaccurate and need resetting.

If the time is correct after restarting, press  to confirm and the Reset Time indicator will disappear.

If the time is incorrect upon restarting, press and hold the Mode key **M** to change the day and time. The Reset Time indicator  will then disappear.

Note: The heater has a memory function so there will be no need to reprogram the Weekly Program if there is a loss of power.

TROUBLESHOOTING

Problem	Solution
The appliance does not heat	Ensure that the circuit breakers are switched on in the installation. Select Comfort Mode  . Increase the temperature setting.
The appliance heats constantly	Ensure the heater is not in a draught/cold spot. Reduce the temperature setting.

CARE & CLEANING

Before cleaning, ensure the device is switched off and allow to completely cool.

Use a damp cloth to clean the housing of the device. Do not use abrasive cleaners.

Clean grilles and air outlets regularly to prevent damage.

Never immerse in water or allow water to enter the device.

SPECIFICATION

		NDT10-22B1		NDT-1522B		NDT20-22B1
Supply Voltage	-	230V~50Hz	-	230V~50Hz	-	230V~50Hz
Rated Power	-	1000W	-	1500W	-	2000W
Class	-	II	-	II	-	II
IP	-	IP24	-	IP24	-	IP24

TECHNICAL PARAMETERS

Information requirements for electric local space heaters

Item	Symbol	Value 1kW 1.5kW 2kW			Unit	Item	Unit
Heat output					Type of heat input, for electric storage local space heaters only (select one)		
Nominal heat output	P_{nom}	1	1.5	2	kW	manual heat charge control, with integrated thermostat	[yes/no]
Minimum heat output (indicative)	P_{min}				kW	manual heat charge control with room and/or outdoor temperature feedback	[yes/no]
Maximum continuous heat output	$P_{max,c}$	1	1.5	2	kW	electronic heat charge control with room and/or outdoor temperature feedback	[yes/no]
Auxiliary electricity consumption						fan assisted heat output	[yes/no]
At Nominal heat output	eI_{max}	N/A			kW	Type of heat output/room temperature control (select one)	
At minimum heat output	eI_{min}	N/A			kW	single stage heat output and no room temperature control	[yes/no]
In standby mode	eI_{SB}	0			kW	Two or more manual stages, no room temperature control	[yes/no]
						with mechanic thermostat room temperature control	[yes/no]
						with electronic room temperature control	[yes/no]
						Electronic room temperature control plus day timer	[yes/no]
						Electronic room temperature control plus week timer	[yes/no]
						Other control options (multiple selections possible)	
						room temperature control, with presence detection	[yes/no]
						room temperature control, with open window detection	[yes/no]
						with distance control option	[yes/no]
						with adaptive start control	[yes/no]
						with working time limitation	[yes/no]
						with black bulb sensor	[yes/no]
Contact details	Name and address of the manufacturer or its authorised representative. (Back Page)						

The Seasonal space heating energy efficiency of all local space heaters except commercial local space heaters η_S (%): 38

CONFORMITY WITH DIRECTIVES

Conforms with relevant European Directives

AFFIX RECEIPT OR PROOF
OF PURCHASE HERE

ENVIRONMENTAL PROTECTION

- (WEEE) Waste Electrical and Electronic Equipment

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.



GUARANTEE

For your convenience, you are not required to complete a form and return it to us in order to validate your guarantee. However, please ensure that you retain your receipt which will act as both proof of purchase and a guarantee validation document. **We recommend that you attach your receipt to this documentation.**

Your product carries a 12 month guarantee from the date of original purchase (or as otherwise provided in writing at point of purchase). If your product fails to operate to its specification, due to faulty workmanship or materials during the guarantee period, we will either repair or replace the product. We will use our discretion to determine whether to offer a repair or provide a replacement. The product will not be covered by the guarantee if it has been misused, transformed, modified or altered in any way.

If your product fails within the guarantee period please ensure that you have all necessary documentation available including proof of purchase (receipt or invoice with serial number, location and date of purchase) in addition to all original undamaged packaging and leaflets etc. It is strongly recommended that you inspect your product carefully before it is used or installed. For full details of your product you should refer to the instruction manual which accompanies the product. You are strongly advised to read this manual carefully in its entirety and to retain it for future reference.

This product guarantee does not affect your statutory rights.

CUSTOMER HELPLINE

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