

Daxom / Naviels

Electric Combi Boiler



User and Installation Manual

Comfort and Confidence For Your Life

CE

Naviels



Dear Daxom User,

For the correct functioning of the device and for your safety, follow the instructions given in this manual during the installation and use of the device.

Unqualified installation, maintenance or repair of the device will render it out of warranty. In addition, our company will not be responsible for any malfunction or accident that may occur in the product.

Please keep this manual in good condition for future reference.

1. SAFETY WARNINGS

- The device must be installed by qualified personnel and in accordance with the instructions given in this manual.
- The first start-up of the device should be carried out by qualified personnel, so please do not try to perform the first start-up of the device by yourself.
- The water and heating system connections of the device must be made securely.
- Depending on the model, the device can operate with the voltage specified in this manual. It must be ensured that the mains voltage is suitable.
- When supplying from a source other than the mains (such as a generator), it must be ensured that the necessary conditions are met for the device to work safely.
- The energy supply to the device must be provided using a suitable cross-sectioned-cable as specified in this manual. Residual current relay and grounding connections are a must.
- The device should not be installed in humid environments or in environments that can get wet due to external factors.
- Flammable, explosive or easily ignitable substances or articles should not be next to or in proximity of the device.
- This manual is an integral part of the product. Keep it for reference when needed. In case of any loss or damage, please download a new copy at www.daxom.co.uk.
- This device should only be used for its intended purpose. The manufacturer disclaims any contractual or non-contractual liability for damage to property or injury to persons or animals resulting from misuse, installation, adjustment, or maintenance.
- After removing the packaging, make sure that the contents are in good condition and complete. Otherwise, contact the retailer where you purchased your device.

- The safety valve outlet must be connected to an appropriate discharge system. All liability for damages that may occur due to any intervention to the safety valve belongs to the user.
- Dispose of all packaging refuse carefully, without harming the environment or human health.
- In case of water leakage, the water supply should be turned off and the Installer should be informed immediately.
- Heating circuit water pressure should be between 1 and 2 bar and should never exceed 3 bar pressure. If necessary, reduce the heating circuit water pressure from the discharge valve in your installation.
- If the device will be out of use for a prolonged time, it is recommended to perform the following actions:
 - Turn off the electrical switch of the device.
 - Close the water valves in both the heating and DHW installation.
 - Discharge the heating circuit water to prevent freezing.
- The device must not be used by children or unattended disabled persons.
- In case of smoke or burning smell caused by the device, turn off the electrical switch of the device and contact the Installer.
- Do not touch the device with wet hands or when the outside of the device is wet.
- Do not use chemicals such as detergents or thinners for cleaning the device. Do the external cleaning of the device using a slightly damp cloth but after turning off the electrical switch of the device.
- Before using the hot water, be sure to check its temperature.

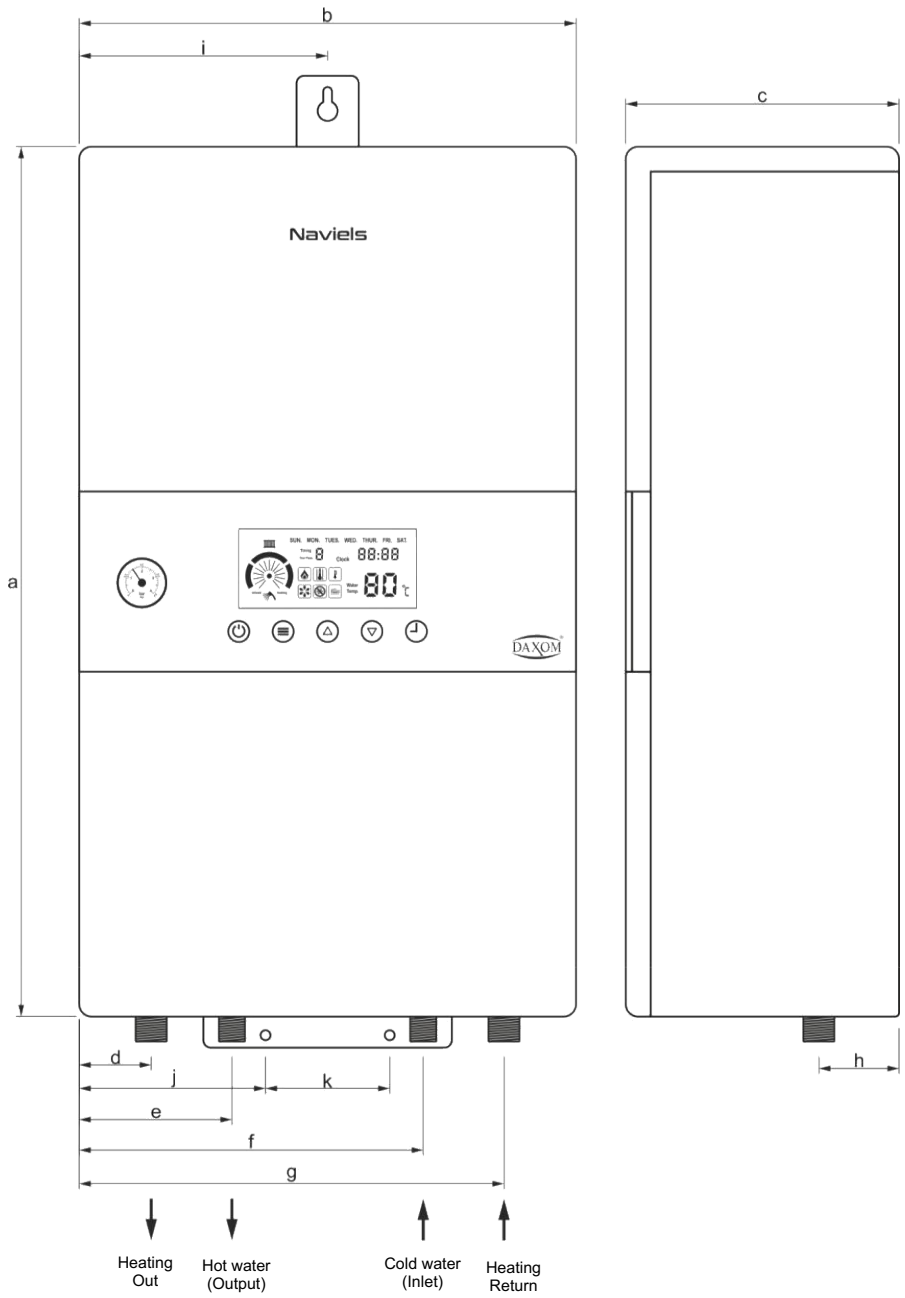
2. SUGGESTIONS FOR ECONOMICAL USE

- Adjust the indoor temperature according to your needs.
- Homogeneous heating provision in the areas of the heating environment in accordance with the purpose of use increases savings.

- The fact that the required temperature value for each section can be adjusted using thermostatic valves with radiators increases the savings. However, using the room thermostat and thermostatic valve at the same time can cause problems if installed in the same room.
- In order for thermostatic valves to detect the ambient temperature correctly, curtains or items that may disrupt the air flow in the environment should be positioned appropriately.
- Room thermostat should be positioned at an appropriate height and away from windows, furniture or heat sources so that it can perceive the real temperature of the environment it is in.
- Prolonged ventilation of heated environments increases energy loss. Ventilation should be done for short terms but if long-term ventilation is required, closing the radiator valves present in the environment or lowering the device heating setting will save energy.
- If the temperature of the device is lowered at night or when the home is unoccupied for a short time, while the ambient temperature can be kept at a certain level saving can also be achieved.
- Adjusting the operating temperature of the device according to the outside temperatures will save money.
- Adjusting the domestic water temperature according to your needs and in a way that does not require use of cold water to make it tepid, saves money.
- Use water wisely. Use of water with care increases savings.

3. CONFIGURATION OF YOUR DEVICE

Capacity	10-24 KW	30-48 KW	72-96 KW
a	700	700	900
b	400	450	600
c	220	320	290
d	58	83	100
e	122	147	-
f	277	302	-
g	342	367	500
h	65	75	100
i	200	225	300
j	150	175	200
k	100	100	200



4. TECHNICAL INFORMATION

Technical Specifications					
Model	Power (kW)	Dimensions H*W*D (mm)	Weight (Kg)	Expansion Tank (l)	Hot water amount (l/min)($\Delta t=25^{\circ}\text{C}$)
3~400 V 50 Hz Electric Heating and Hot Water					
UKDAX-10EDT	10	700*400*220	23.5	7	5.8
UKDAX-12EDT	12	700*400*220	23.5	7	6.9
UKDAX-16EDT	16	700*400*220	25.0	7	9.2
UKDAX-18EDT	18	700*400*220	25.0	7	10.4
UKDAX-20EDT	20	700*400*220	25.0	7	11.5
UKDAX-24EDT	24	700*400*220	25.0	7	13.8
UKDAX-30EDT	30	700*450*320	32.2	12	17.2
UKDAX-36EDT	36	700*450*320	35.4	12	17.2
UKDAX-40EDT	40	700*450*320	35.4	12	17.2
UKDAX-48EDT	48	700*450*320	35.4	12	17.2
1~220 V 50 Hz Electric Heating and Hot Water					
UKDAX-6EDM	6	700*400*220	23.5	7	3.4
UKDAX-10EDM	10	700*400*220	23.5	7	5.8
UKDAX-12EDM	12	700*400*220	23.5	7	6.9
UKDAX-16EDM	16	700*400*220	25.0	7	9.2
UKDAX-18EDM	18	700*400*220	25.0	7	10.4
3~400 V 50 Hz Electric Heating Only					
UKDAX-10ETT	10	700*400*220	21.3	7	-
UKDAX-12ETT	12	700*400*220	21.3	7	-
UKDAX-16ETT	16	700*400*220	22.8	7	-
UKDAX-18ETT	18	700*400*220	22.8	7	-
UKDAX-20ETT	20	700*400*220	22.8	7	-
UKDAX-24ETT	24	700*400*220	22.8	7	-
UKDAX-30ETT	30	700*450*320	30.0	12	-
UKDAX-36ETT	36	700*450*320	33.2	12	-
UKDAX-40ETT	40	700*450*320	33.2	12	-
UKDAX-48ETT	48	700*450*320	33.2	12	-
1~220 V 50 Hz Electric Heating Only					
UKDAX-6ETM	6	700*400*220	21.3	7	-
UKDAX-10ETM	10	700*400*220	21.3	7	-
UKDAX-12ETM	12	700*400*220	21.3	7	-
UKDAX-16ETM	16	700*400*220	22.8	7	-
UKDAX-18ETM	18	700*400*220	22.8	7	-

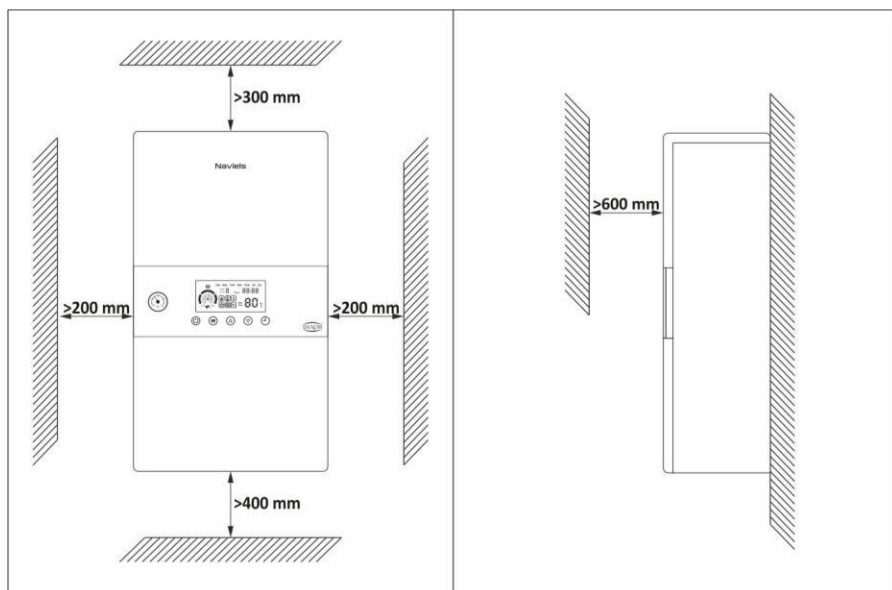
Technical Specifications		Heating	DHW Water
Min. Operating pressure	bar	1	0.5
Max. Operating pressure	bar	3	10
Min. Setting Temperature	°C	10	35
Max. Setting Temperature	°C	80	55
Connections	inch	¾	½
ETP Model Connections	inch	1	-

5. DEVICE INSTALLATION

 The device must be installed by qualified personnel.

5.1. Installation Conditions and Safety Warnings

Observe the minimum distances stipulated in the installation to be able to access the device for maintenance and repair.



For correct device assembly:

- It should not be installed above stoves or similar cooking devices.
- There should be no flammable products in the room where the device is installed.
- Heat sensitive surfaces (e.g., wooden walls) must be protected with proper insulation.

- Prior to installation, all system piping should be carefully flushed to remove any residue that could impair the operation of the device.
- When the pressure of the heating system rises above 3 bar, water discharge starts from the safety valve.
- There is no need for a safety valve in the mains hot water circuit, but make sure that the water pressure does not exceed 6 bar.
If in doubt, have a pressure reducer installed at the mains cold water inlet to the property.
- The environment in which the device is installed should be away from parts and protrusions which could block or obstruct access during maintenance or repair. There must be sufficient space around the device for maintenance and repair.
- The electrical connection of the device must be made with a suitable cable, fuse and residual current relay and grounding connection must be present.
- The wall where the boiler is to be mounted must be capable of supporting the weight of the device.

5.2. Wall Mounting of the Device



It should be ensured that the wall, where the boiler is to be mounted, can carry the full weight of the device and that the mounting material is securely fixed.

Fix the plugs by drilling the device mounting holes in the locations selected in accordance with the conditions stated above. Using the holes you drilled, screw your device from the bottom to the top and check that it is stable.

5.2.1. Making the Heating and Water System Connections

The heating system should be installed using pipes of suitable diameter to ensure adequate circulation of the heating water. Choosing heating pipes in smaller diameter than they should be and narrowing or blockages in the installation may cause insufficient heating circulation. Connections to the device must be easily removable when necessary. There should be separate shut-off valves at the heating inlet and outlet of the device, and a Magnetic filter at the heating return between the valve and the device. There must be a valve and an inline lime scale inhibitor at the cold-water inlet of the boiler.

5.2.1.1. Filling the Heating System for EDT and EDM Models

For UKDAX-xxEDT and UKDAX-xxEDM models, this is done with the blue filling tap on the bottom of the device. The filling should be done by following the instructions below.

- Make sure that the cold-water inlet valve of the device is open.
- Turn on the filling tap.
- Open the air vents and discharge the air accumulated in the radiators and shut them when water starts to flow.
- When the air accumulated in the radiators is discharged, there may be a decrease in the water pressure of the heating system. Make sure that the water pressure of the heating system is between 1-1,5 bars, if there is a decrease, fill it up by opening the filling tap.



After the heating system is filled, it should be carefully checked for any water leak.



If the filling tap is left on and the pressure of the heating system exceeds 3 bar, water discharge starts from the safety valve inside the device.

5.2.1.2. Filling the Heating System for ETT and ETM Models

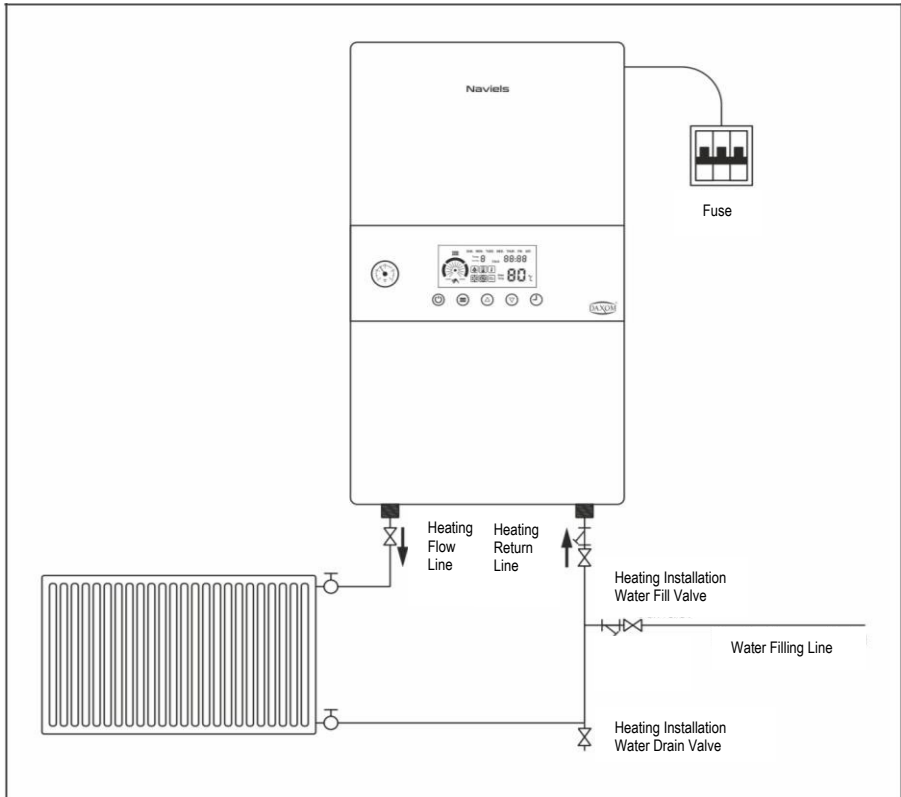
For UKDAX-xxETT and UKDAX-xxETM models, this process is done using the filling valve to be connected to the heating system. For this, a valve connection must be made from the cold water system to the heating system. The filling valve should be close to the device and in a position that sees the pressure gauge on the device. After the filling valve, there must be a silt trap. The filling should be done by following the instructions below.

- Turn on the heating system water filling valve.
- When the water pressure gauge reaches 1 - 1.5 bar, turn off the filling tap.
- Open the air vents on the upper side of the radiators and discharge the air accumulated in the radiators and turn them off when water starts to flow.

- When the air accumulated in the radiators is discharged, there may be a decrease in the water pressure of the heating system. Make sure that the water pressure of the heating system is between 1 and 1.5 bar, and if there is a decrease, turn on the filling tap and increase it.

⚠ After the heating system is filled, it should be carefully checked for any water leak.


⚠ If the filling tap is left on and the pressure of the heating system exceeds 3 bar, water discharge starts from the safety valve inside the device.





5.2.2. Making Electrical Connections

Electrical installation should be carried out by qualified personnel using an appropriate cross-sectioned-cable chosen according to the device capacity and cable length. There should be a separate RCD with appropriate specifications and a MCB with suitable amperage value, both capable of completely cutting the electricity supply to the device off, and the fuse should be located close to the device. The device must be grounded.

If there is no grounding system in the building where the device is installed, a grounding line must be installed by qualified personnel. Periodical checks should be carried out to ensure that the grounding installation is in working condition. The Isolator should be located sufficiently close to the device so that the cable coming out of the device can be connected to it without tension. Connection of cables to fuses should be done by qualified personnel.

 Make sure you connect the cables to the right place.

 Loose cable connections can cause accidents.
Cable sections, residual current relay, and fuse ampere values, calculated according to device capacity and cable lengths can be seen in the table below.

 The cable cross-sections in this table are calculated for a maximum of 10 m. For cable lengths longer than 10 m, consult your electrician.

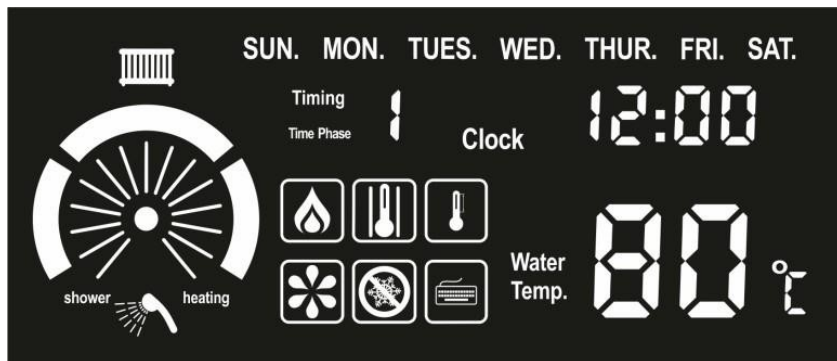
Model	Power (kW)	Current Drawn (A)	Fuse & Residual Current Relay (A)	cross section
3~400 V. 50 Hz Electric Heating and Hot Water				
UKDAX 10EDT	10	3*15,2	3*16	5*2,5
UKDAX 12EDT	12	3*18,2	3*20	5*2,5
UKDAX 16EDT	16	3*24,3	3*32	5*2,5
UKDAX 18EDT	18	3*27,3	3*32	5*4
UKDAX 20EDT	20	3*30,4	3*40	5*4
UKDAX 24EDT	24	3*36,4	3*50	5*6
UKDAX 30EDT	30	3*45,5	3*63	5*10
UKDAX 36EDT	36	3*54,6	3*63	5*10
UKDAX 40EDT	40	3*60,7	3*63	5*16
UKDAX 48EDT	48	3*72,8	3*80	5*16
1~220 V.50 Hz Electric Heating and Hot Water				
UKDAX 10EDM	10	1*45,5	1*50	3*6
UKDAX 12EDM	12	1*54,6	1*63	3*10
UKDAX 16EDM	16	1*72,8	1*80	3*16
UKDAX 18EDM	18	1*81,9	1*100	3*16












Model	Power (kW)	Current Drawn (A)	Fuse & Residual Current Relay (A)	cross section
3~400 V.50 Hz Electric Heating Only				
UKDAX 10ETT	10	3*15,2	3*16	5*2,5
UKDAX 12ETT	12	3*18,2	3*20	5*2,5
UKDAX 16ETT	16	3*24,3	3*32	5*2,5
UKDAX 18ETT	18	3*27,3	3*32	5*4
UKDAX 20ETT	20	3*30,4	3*40	5*4
UKDAX 24ETT	24	3*36,4	3*40	5*6
UKDAX 30ETT	30	3*45,5	3*50	5*10
UKDAX 36ETT	36	3*54,6	3*63	5*10
UKDAX 40ETT	40	3*60,7	3*63	5*16
UKDAX 48ETT	48	3*72,8	3*80	5*16
1~220 V.50 Hz Electric Heating Only				
UKDAX 10ETM	10	1*45,5	1*50	3*6
UKDAX 12ETM	12	1*54,6	1*63	3*10
UKDAX 16ETM	16	1*72,8	1*80	3*16
UKDAX 18ETM	18	1*81,9	1*100	3*16

6. SWITCHING ON AND OPERATING THE DEVICE

6.1. Control Screen

The operating status of the device and the adjustments made can be monitored from the control panel.








	Central heating run indicator
SUN.	Days of the week
Timing Time Phase 	Time program. 3 time programs can be made.
12:00	Time
	Capacity indicator
	Ready-to-run indicator
	Hot water heating indicator
	Heating indicator
	Over temperature indicator
	Overtemperature difference value
	Pump run indicator
	Frost protection indicator
	Room thermostat connection indicator
Water Temp. 80 °C	Temperature indicator


6.2. Control Keys


The control of the device is done with the buttons located under the display screen.



	Turning On / Off
	Menu entry / Changing
	Temperature increase / Time and day setting
	Temperature reduction / Return
	Time program On / Off

6.3. Device Start-up

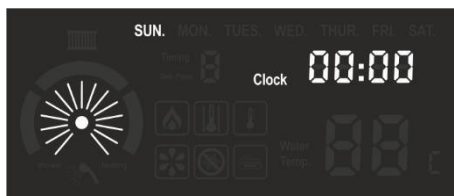
 The first start-up of the device must be done by the qualified personnel.


 Our company is not responsible for damages and accidents that may occur because of intervention by unqualified persons.

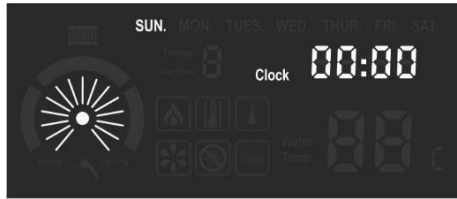
Before operating the device, it should be checked that all mechanical and electrical connections are correct. The heating system must be filled and vented. Our company is not responsible for damages and accidents that may occur due to faulty connections.

Follow the steps below to start-up the device:

- Make sure that the water and heating valves of the device (only the heating valve in UKDAX-xxETT, UKDAX-xxETM, UKDAX-xxETP models) are turned on.
- Turn on the residual current relay followed by the fuse.
- After all the icons remain visible on the screen for a few seconds, it will be as follows.

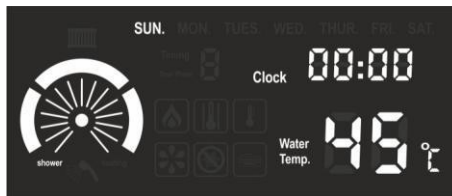




- To turn on the device press and hold the  button for 2-3 seconds.



The device keeps the last settings in its memory before it turns off. When it is turned on again, it starts working using the same settings.



- If the operating mode before the device is turned off is set to domestic water heating, “**shower**” appears, and the device goes into standby. If the hot water tap is turned on, the device starts to heat the domestic water.



- If the operating mode before the device is turned off is set to domestic water and central heating, the device operates for central heating. “**heating**” and “**shower**” and the  icon appear, after the pump operates for approximately one minute the device starts heating, the  icon appears. If the hot water tap is turned on, the device starts to heat the domestic water.



- If the operating mode before the device is switched off is set to central heating, the device operates for central heating. The symbol appears with the text “**heating**”,

 symbol appears, after the pump runs for about one minute, the device starts heating, the  symbol appears.

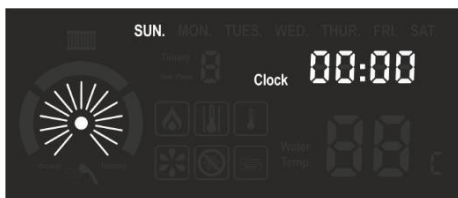



A beep will sound for each keypress. For long-term (e.g., 2-3 seconds) key presses, the keypress will not have registered until a beep is heard.

6.4. Setting Operation Parameters

6.4.1. Setting the Day and Time

- Turn the device off.




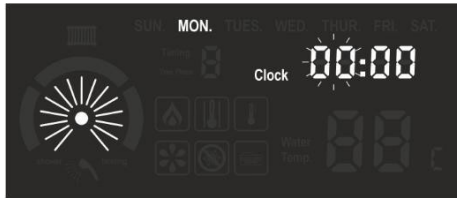
- Press and hold the  key for 5-6 seconds, the day starts to flash.





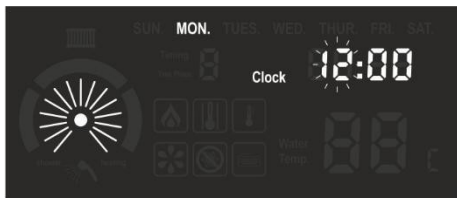
- The day is set by pressing the  or  keys at one second intervals.




-  button is pressed, hour digit starts to flash.





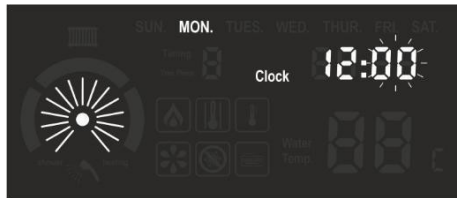
- Press the  or  buttons at one second intervals to set the time between 0 and 23.




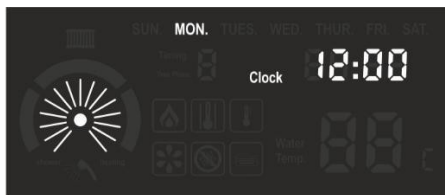
-  button is pressed, minute digit starts to flash.







- Press the  or  buttons at one second intervals to set the minute value between 0 and 60.



- By pressing the  button once or by not pressing any buttons for 10 seconds, the settings are saved and the setting menu is exited.



6.4.2. Adjusting the Heating Temperature

While the  and the  icons are visible on the screen (the device is operating for central heating) by pressing  or  buttons heating temperature can be adjusted between 35°C and 80°C. While the heater temperature is being adjusted the **“Water Temp”** text turns off, and the adjusted temperature value starts to flash. While the device is operating for domestic water heating, you must stop the hot water flow to adjust the heating temperature. In case the operation mode is set to domestic water heating, it is necessary to switch the operation mode to central heating in order to change the heating temperature. At the end of the process, the device should be returned to its previous operating position. (Please see 6.4.8)








2 seconds after the adjustment is completed, the operating temperature and the **“Water Temp”** text are displayed on the screen. It may take time for the device to reach the set temperature. Heating does not start immediately after the domestic water heating is completed. For temperature compensation, the heating starts after the pump has run for a while.



6.4.3. Domestic Hot Water Temperature Adjustment

This setting can be made on UKDAX-xxEDT and UKDAX-xxEDM models that provide domestic hot water. With the UKDAX-xxETT, UKDAX-xxETM and UKDAX-xxETP models, domestic hot water can be supplied externally.

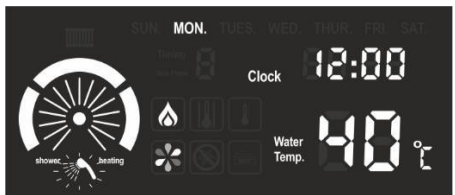
Domestic water temperature setting: the  and the  icons appear on the screen, while the  icon is flashing (the device is operating for domestic water heating), by pressing  or  buttons it can be set between 30°C and 55°C.




If the operating mode is set to domestic water heating, it is also possible to change the domestic water heating during standby.



In order to adjust the domestic water temperature during operation for central heating, the operating mode of the device must be changed to domestic water heating. At the end of the process, the device should be returned to its previous operating position (please see 6.4.8). 2 seconds after the adjustment is completed, the instantaneous operating temperature and the **“Water Temp”** text are displayed on the screen.





 Domestic hot water always takes priority.

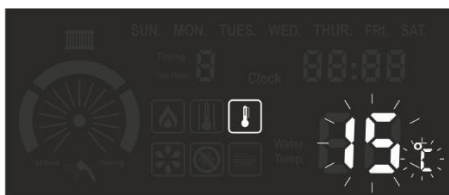
6.4.4. Setting the Temperature Difference

The temperature difference between the heating flow and the heating return of the device can be adjusted. When the device is in its normal operating position;

- Press the  button for 2-3 seconds to enter the setting menu.



- The  key is pressed at intervals of one second until the  symbol appears, the temperature difference starts to flash.



- The ΔT temperature difference is set with the ∇ or Δ keys.



- Press the ⏻ button to exit the settings menu.





6.4.5. Room Thermostat

It is possible to control the device with a room thermostat. In this way, the device operates according to the ambient temperature in the room where the thermostat is located. Room thermostat connection must be made by qualified personnel while the device is being prepared for use. The room thermostat has to be voltage free.



6.4.6. Setting the Heating Mode

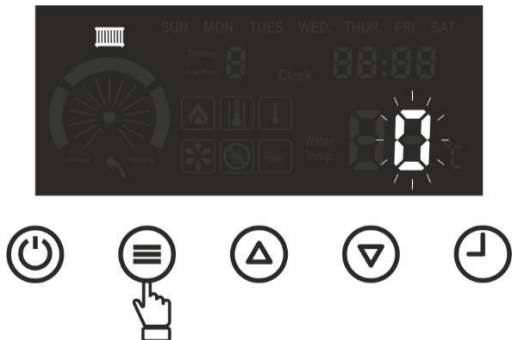
The device can be adjusted for underfloor heating (low temperature) or radiator heating system. In this way, excessive heating is prevented, especially in underfloor heating systems. While operating in underfloor heating mode, the device can be set to a maximum temperature of 55°C, in radiator heating mode it can be set to a maximum temperature of 80°C.



In radiator heated systems, if they so wish, the users can switch the heating mode to underfloor heating and enable the device to operate at a maximum of 55°C.  icon will appear in radiator heating mode, but not in underfloor heating mode. When the device is in its normal operating position:

- Press the  button for 2-3 seconds to enter the setting menu.



- The  key is pressed at intervals of one second until the  symbol appears, the heating mode option indicator starts to flash.




- For underfloor heating select “0” using the  or the  keys.




For radiator heating select “1”.



In underfloor heating systems, the "0" setting in this menu cannot be changed since the heating mode is set by the Authorized Service from within the device.

- Press the  button to exit the settings menu



 In underfloor heating systems, the temperature should never be set above 55°C.



Our company will not be responsible for any damage or accidents that may occur in the event of this adjustment being made.

6.4.7. Adjusting the Capacity



The device can work in 3 different capacities. P1 means 1/3 capacity, P2 means 2/3 capacity, and P3 means full capacity. For example, if the device is 24 kW, P1 is: 8 kW, and P2 is: 16 kW, and P3 is: 24 kW. When the device is in its normal operating position:

- Press the  button for 2-3 seconds to enter the setting menu.




-  button is pressed at intervals of one second until the  icon appears.



- Using the  or the  keys, the device capacity is set to P1, P2 or P3.



Indicator lights change according to the selected capacity.

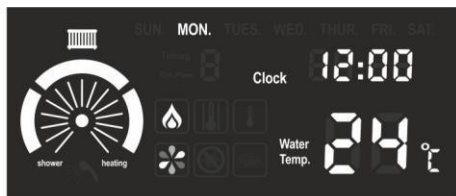
- Press the  button to exit the settings menu.





6.4.8. Adjusting the Operation Mode

The device can work in 3 different operation modes.



- Central Heating Mode: The device only performs central heating. No domestic water heating.
- Domestic Hot Water Operating Mode: The device heats only the domestic water. It can also be called summer setting.
- Central Heating and Domestic Hot Water Operating Mode: The device performs both central heating and DHW heating. The priority is always in domestic hot water heating. If, while heating is being provided for the central heating, the domestic water also requires heating, then the device stops central heating and works for the domestic hot water heating.
- When the device is in its normal operating position:

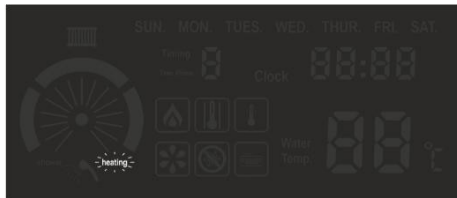


- Press the  button for 2-3 seconds to enter the setting menu.

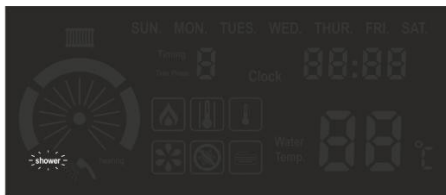
- press the  button at intervals of one second until **“heating”** and/or **“shower”** lights begin to flash.



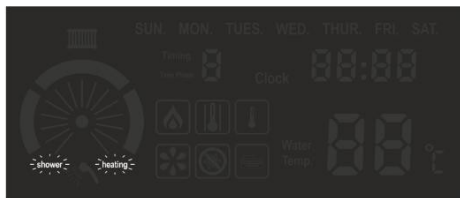
- The preferred operating mode is selected using  or  keys. If **“heating”** is selected, the device only works for central heating.




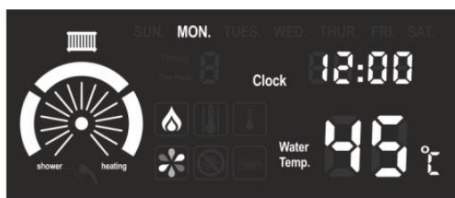
If **“shower”** is selected, the device only works for domestic water heating.




If **“heating”** and **“shower”** are selected at the same time, the device operates for domestic water and central heating.




- Press the  button to exit the settings menu.




6.4.9. Setting the Time Program



The device can be programmed for central heating both daily and weekly. With 7 different time programs, the start and end times of the program, the operating temperature of the device and the ΔT temperature difference during the duration of the program can be adjusted. If programming has been done and activated, during unprogrammed time periods the device switches to standby for central heating. Using the  button, the time program can be activated or deactivated. When the time program is active, the current program number appears. When the device is in its normal operating position:

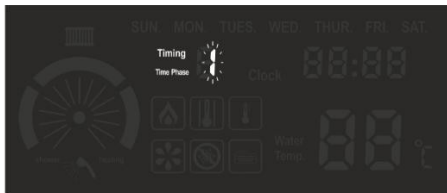
- Press the  button for 2-3 seconds to enter the settings menu.




- Press the  button at intervals of one second until the **“Timing Time Phase”** appears, the time program number starts to flash..





- By pressing the  or  buttons the time program number between 1 and 7 is selected.



-  key is pressed.



- The time program selected using  or  the keys is set to on, meaning “ON” position. If it stays in “OFF” position, the time program cannot be accessed.



- By pressing the  button, weekday(s) is selected.



The desired weekday or days can be selected with the ∇ or \triangle keys. The days of the week are grouped as follows.

- All days can be selected. (**SUN. MON. TUES. WED. THUR. FRI. SAT.**)



- Weekend days can be set. (**SUN. SAT.**)



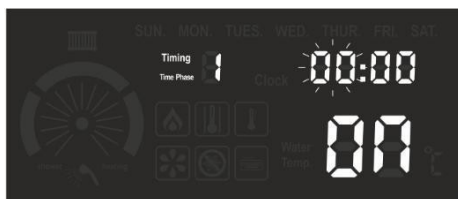
- Weekdays can be selected. (**MON. TUES. WED. THUR. FRI.**)



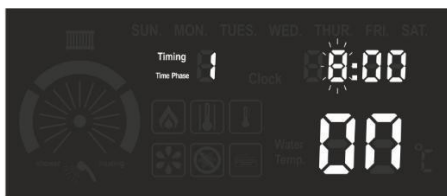
- Days can be selected individually.




- Menu key is pressed. The programme start time starts to flash.





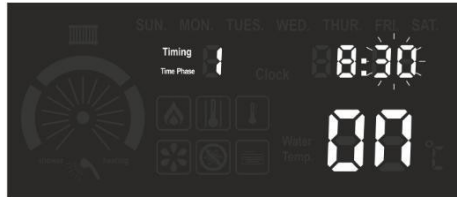
- The programme start time is determined using up or down arrow keys.






-  key is pressed. The programme start minute value starts to flash.




- The programme start minute value can be determined using  or  keys.





-  key is pressed. The programme end time starts to flash.

- The programme end time is determined using  or  keys.



-  key is pressed. The programme end minute value starts to flash.





- The programme end minute value is determined using  or  keys.





-  key is pressed. The temperature indicator starts flashing.



- The operating temperature in the selected program is selected with the  or  keys.



-  button is pressed and the  icon as well as the flow/return temperature difference setting indicator starts to flash.




- The desired ΔT (flow/return temperature difference) in the selected programme is selected with \triangle or ∇ keys.



- \equiv key is pressed. The other time programme to be set is selected and the same steps are repeated starting from step 3.




- It is not necessary for all time programmes to be adjusted. You can set as many time programmes as you want from 1 to 7. Programmes that are not set will not be active as they will remain in the “**OFF**” position.
- After programming is completed, by pressing the  key once or by not pressing any keys for 10 seconds, the settings will be saved, and the setting menu will be exited.



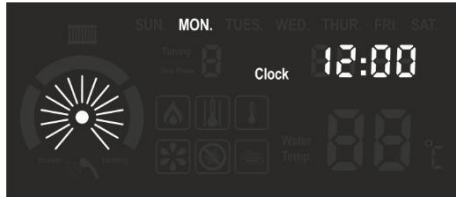
6.5. Turning off the Device


6.5.1. Temporary Shutdown

For short-term shutdown, you can turn off the device by pressing the  button for 2-3 seconds.




Leaving the electricity supply on will protect the device by the functions of following systems.

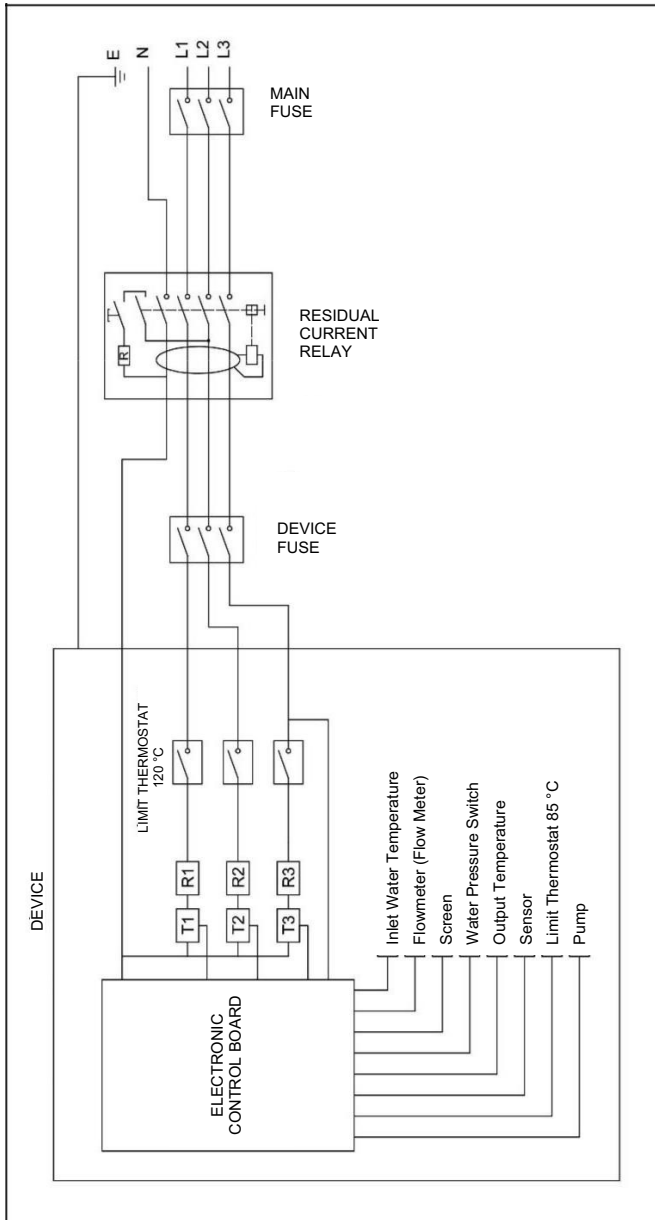


- Frost Protection Function: If the water temperature in the device drops below 5°C, the pump and heating are activated and work for a while. During the anti-frost cycle, the  mark will appear on the display.
- Anti-Blocking Function: The pump and the three-way valve in the device run for a short time every 18 hours.

6.5.2. Long Term Shutdown

If you are not going to operate the device for a long time, turn off the device fuse by pressing the  button for 2-3 seconds. In this case, the water in the system must be drained against the risk of freezing as the frost protection of the device will not work.

7. ELECTRIC SCHEME



8. REPAIR AND SERVICE

During the warranty period of the product, we provide free service to the user against material and manufacturing defects related to the device. If you encounter a problem during use, please contact our after-sales service department. Unauthorized maintenance or repair of the device will render the device out of warranty. Our company will not be responsible for any malfunctions and accidents that may occur subsequently.

9. TROUBLESHOOTING & SOLUTIONS TABLE

Fault Code	Fault	Solution
E0	<ul style="list-style-type: none"> ➤ Insufficient water pressure ➤ Water pressure switch malfunction 	<ul style="list-style-type: none"> ➤ Adjust the water pressure between 1-2 bar ➤ Call the authorized service
E1	<ul style="list-style-type: none"> ➤ Heater sensor malfunction 	<ul style="list-style-type: none"> ➤ If you continue to receive the same fault code after waiting for a while, call the authorized service.
E3	<ul style="list-style-type: none"> ➤ Water temperature above 85°C warning 	<ul style="list-style-type: none"> ➤ After a few minutes, the device will start to operate.
E4	<ul style="list-style-type: none"> ➤ Limit thermostat will start to work warning 	<ul style="list-style-type: none"> ➤ Will start to work when the temperature drops below 85°C ➤ If the same fault code continues to appear despite waiting for a while, call the authorized service.
E5	<ul style="list-style-type: none"> ➤ Pipe clogged or valve closed ➤ Pump malfunction ➤ Flow meter malfunction 	<ul style="list-style-type: none"> ➤ Check if there is a shut valve in the heating installation and no pump failure and clean the magnetic filter ➤ Call the authorized service

<u>CAUSE</u>	<u>PROBLEM</u>								<u>SOLUTIONS</u>
	No light on control panel	Keys do not work	There is a burning smell	Heating temperature is insufficient	Boiler does not heat	Water leak in the connections	Frequently diminishing water	Safety valve leaking water	
<ul style="list-style-type: none"> ➤ No electricity ➤ Residual current relay or fuse is shut ➤ Connection problem concerning the control board and power board ➤ Display card failure 	●	●							<ul style="list-style-type: none"> ➤ Check if there is electricity ➤ Check the device's residual current relay and fuse ➤ Call the authorized service
<ul style="list-style-type: none"> ➤ Connections not made properly ➤ Sealing gasket defective 					●				<ul style="list-style-type: none"> ➤ Have the connections made again ➤ Renew sealing gaskets
<ul style="list-style-type: none"> ➤ Keypad malfunction ➤ Electronic board failure 		●							<ul style="list-style-type: none"> ➤ Call the authorized service
<ul style="list-style-type: none"> ➤ Unsuitable cable use ➤ Loose connection 			●						<ul style="list-style-type: none"> ➤ Turn off the device and call the authorized service
<ul style="list-style-type: none"> ➤ High pressure 							●		<ul style="list-style-type: none"> ➤ Drain excess water from the drain valve
<ul style="list-style-type: none"> ➤ The device is set to central heating operation mode ➤ Flow sensor malfunction 					●				<ul style="list-style-type: none"> ➤ Check device settings ➤ Call the authorized service
<ul style="list-style-type: none"> ➤ Resistance fault ➤ Limit thermostat cut off the current ➤ Triac failure ➤ Control board failure 				●	●				<ul style="list-style-type: none"> ➤ Call the authorized service
<ul style="list-style-type: none"> ➤ Insufficient water pressure 					●				<ul style="list-style-type: none"> ➤ Check the water pressure
<ul style="list-style-type: none"> ➤ There is a water leak in the plumbing pipes 							●		<ul style="list-style-type: none"> ➤ Fix the water leak in the heating system.

Daxom Installation Checklist



Yes	
<input type="checkbox"/>	Check all electrical connections from the main cable including the connector block inside the boiler for secure and tight connections
<input type="checkbox"/>	Ensure clearance is as per Daxom manual for the model installed
<input type="checkbox"/>	Install PRV for the hot water cylinder to the cold water inlet, EBM boilers, supplied separately in the box
<input type="checkbox"/>	Install balljoint isolator at the cold water inlet pipe
<input type="checkbox"/>	Install scale reducer/inline lime scale inhibitor at the cold water inlet
<input type="checkbox"/>	Install magnetic filter at the heating return pipe
<input type="checkbox"/>	Power flush the system to comply with BS 7593:2019, UK Building regulations Part L, mandatory 6/2022
<input type="checkbox"/>	Add sufficient inhibitor to the heating circuit, Test and record inhibitor, Corrosion and pH level
<input type="checkbox"/>	Check mains incoming water pressure, if needed install PRV at the mains water inlet to the property
<input type="checkbox"/>	For EDM boilers, adjust the hot water flowrate at the cold water inlet pipe, via the installed isolator
<input type="checkbox"/>	Install dedicated 63 A RCD and 50 A MCB, Install 63 A rotary Isolator
<input type="checkbox"/>	Install a 10mm cable for up to 10 meters from the Isolator to the consumer board
<input type="checkbox"/>	Use surge protection for the boiler to save the appliance from frequented power cuts
<input type="checkbox"/>	Ensure you purge the system and boiler before running heating and hot water
<input type="checkbox"/>	Due to logistics, and handling of the boiler during installation, there could be minor leaks in the connections. Ensure to tighten the connections.

How to connect a room thermostat

You can connect any voltage free, single channel room thermostat to the Daxom boilers, proceed as below,

To connected the room thermostat located the connector block on the PCB board cover. Remove the loop and replace with heating on / off.

Connect live, neutral and earth via the main connector block



Set room thermostat operation via the touch screen to connected. Once done, desired timing phase's need to be programmed via the installed room thermostat, therefor this option will not be available via the touch control screen.



Daxom UK Ltd
43 Scarlet Oaks
Camberley, Surrey
GU15 1 RD

Phone: 01276 536409

www.daxom.co.uk
admin@daxom.co.uk