DAXOM®

Daxom / Naviels

Electric Combi with External Cylinder Wall Hung
Electric Combi with Internal Cylinder Wall Hung
Electric Combi Boiler with Internal Cylinder Floor Standing

Comfort and Confidence For Your Life

CE

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 with 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 the 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 placed 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 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, faulty installation, adjustments, or incorrect 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 and without any harm to the environment or human health.

- In case of internal 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 during the installation.

- The Mg-Anode rod in the enamel-coated cylinder provides resistance to corrosion. Every two years the Mg-Anode rod should be checked and if necessary, replaced.

- The domestic water mains pressure coming in to the property can be 3 bars at its highest. **If the mains incoming pressure is above 3 bar, a Pressure Reducing Valve has to be installed at the mains cold water inlet to the property and set to 3 bar or below. It cannot be installed at the cold water inlet to the boiler!**

- Due to the anti-legionella function, the cylinder temperature (DHW) is increased to 65 °C once a week, thus providing hygienic water.

- If the device will not be in 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 for the heating and cylinder.
  - Discharge the heating and cylinder 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.

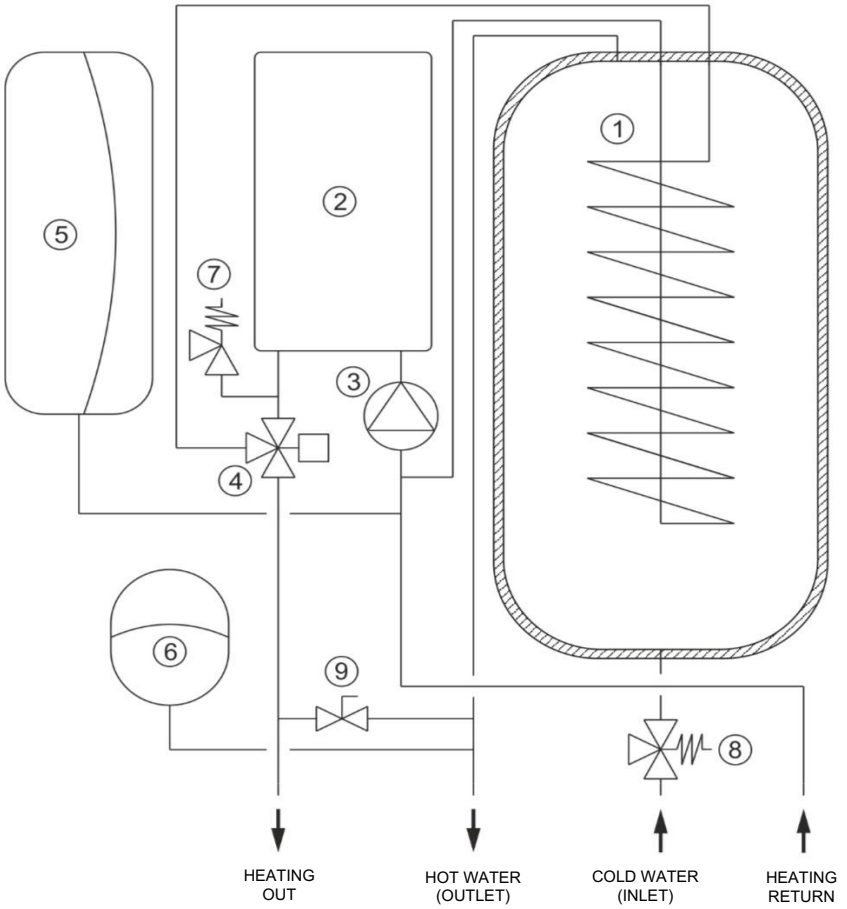
- Before using the hot water, be sure to check its temperature.

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 separate area can be adjusted using thermostatic radiators valves increases the savings. However, using the room thermostat and thermostatic valve at the same time can cause issues if installed in the same room.
- 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 boiler temperature setting according to your needs saves money.
- Use water wisely. Use of water with care increases savings.

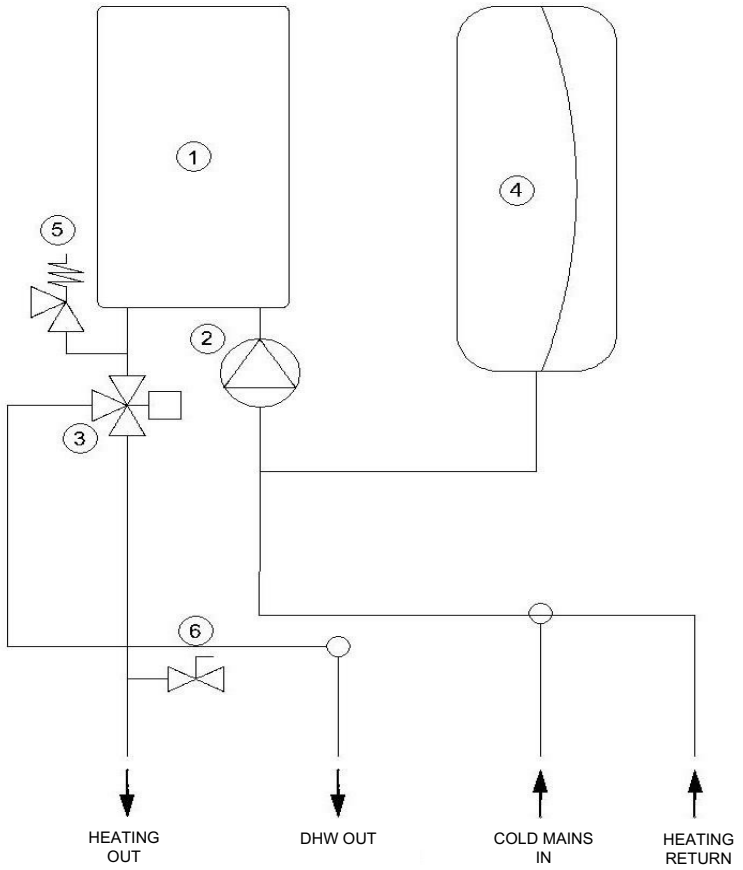
3. CONFIGURATION OF YOUR DEVICE

- **Wall Type Electric Combi Boiler**
- **Floor Type Electric Combi Boiler**



1- Cylinder
2- Heating main unit
3- Speed-controlled circulation pump
4- Three-way valve
5- Heating expansion tank
6- Domestic water (cylinder) expansion tank
7- Heating safety valve
8- Domestic water (cylinder) safety valve
9- Heating filling valve

- **Wall Type Electric Combi with External Cylinder**



1- Heating main unit
2- Speed-controlled circulation pump
3- Three-way valve
4- Heating expansion tank
5- Heating safety valve
6- Heating filling valve

4. TECHNICAL INFORMATION

UKDAX-xxEBM ,UKDAX-xxEBT ,UKDAX-xxYxxBT and UKDAX-xxYxxBM

The devices have an integrated enamel-coated cylinder. Since the heating continues during the use of DHW, it offers the possibility of long-term use. It provides uninterrupted hot water even at very low water pressure and flow.

- **Wall Type Electric Combi Boiler**

Technical Specifications			
Model	Power (kW)	Dry (waterless) Weight (Kg)	Cylinder Volume (l)
3 ~ 400 V 50 Hz Electric Combi Boiler			
UKDAX-10EBT	10	50	50
UKDAX-12EBT	12	50	
UKDAX-16EBT	16	52	
UKDAX-18EBT	18	52	
UKDAX-20EBT	20	52	
UKDAX-24EBT	24	52	
1 ~ 220 V 50 Hz Electric Combi Boiler			
UKDAX-6EBM	6	50	50
UKDAX-10EBM	10	50	
UKDAX-12EBM	12	50	
UKDAX-16EBM	16	52	
UKDAX-18EBM	18	52	

Technical Specifications		**Heating**	**DHW**
Min. Operating pressure	bar	1	-
Max. Operating pressure	bar	3	6
Min. Setting Temperature	°C	35	30
Max. Setting Temperature	°C	80	65
Connections	inch	3/4	1/2
Dimensions	mm	770*560*390	

- **Floor Standing Electric Combi Boiler**

Technical Specifications				
Model	Power (kW)	Cylinder Capacity (l)	Dry (waterless) Weight (kg)	Dimensions H*W*D (mm)
3 ~ 400 V 50 Hz Electric Combi Boiler				
UKDAX-80Y10BT	10	80	81	836*600*590
UKDAX-80Y12BT	12	80	81	836*600*590
UKDAX-80Y16BT	16	80	83	836*600*590
UKDAX-80Y18BT	18	80	83	836*600*590
UKDAX-80Y20BT	20	80	83	836*600*590
UKDAX-80Y24BT	24	80	83	836*600*590
UKDAX-120Y10BT	10	120	103	1152*600*590
UKDAX-120Y12BT	12	120	103	1152*600*590
UKDAX-120Y16BT	16	120	105	1152*600*590
UKDAX-120Y18BT	18	120	105	1152*600*590
UKDAX-120Y20BT	20	120	105	1152*600*590
UKDAX-120Y24BT	24	120	105	1152*600*590
1 ~ 220 V 50 Hz Electric Combi Boiler				
UKDAX-80Y10BM	10	80	81	836*600*590
UKDAX-80Y12BM	12	80	81	836*600*590
UKDAX-80Y16BM	16	80	83	836*600*590
UKDAX-80Y18BM	18	80	83	836*600*590
UKDAX-120Y10BM	10	120	103	1152*600*590
UKDAX-120Y12BM	12	120	103	1152*600*590
UKDAX-120Y16BM	16	120	105	1152*600*590
UKDAX-120Y18BM	18	120	105	1152*600*590

Technical Specifications		Heating	DHW
Min. Operating pressure	bar	1	-
Max. Operating pressure	bar	3	8
Min. Setting Temperature	°C	10	35
Max Setting Temperature	°C	80	65
Connections	Inch	3/4	1/2

- **Wall Hang Electric Combi with External Cylinder**

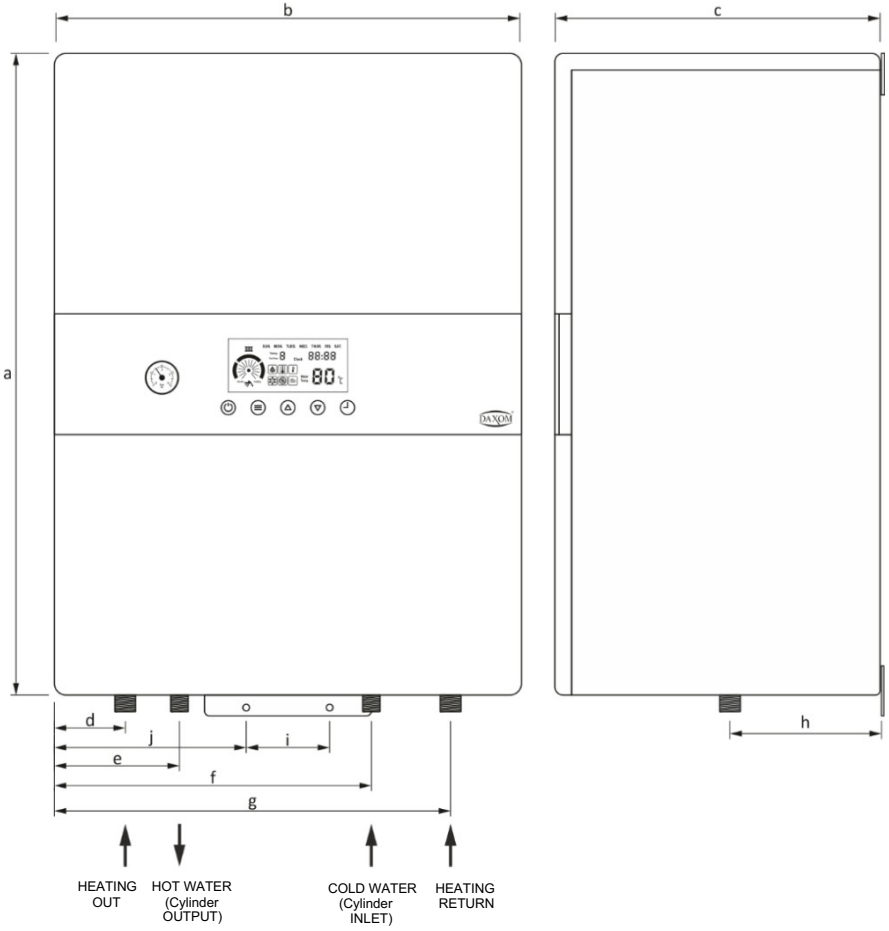
Technical Specifications				
Model	Power (kW)	Dimensions H*W*D (mm)	Weight (Kg)	Expansion Tank (l)
3 ~ 400 V 50 Hz Electric Combi with External Cylinder				
UKDAX-10HBT	10	700*400*220	23.5	7
UKDAX-12HBT	12	700*400*220	23.5	7
UKDAX-16HBT	16	700*400*220	25.0	7
UKDAX-18HBT	18	700*400*220	25.0	7
UKDAX-20HBT	20	700*400*220	25.0	7
UKDAX-24HBT	24	700*400*220	25.0	7
UKDAX-30HBT	30	700*450*320	32.2	12
UKDAX-36HBT	36	700*450*320	35.4	12
UKDAX-40HBT	40	700*450*320	35.4	12
UKDAX-48HBT	48	700*450*320	35.4	12
1 ~ 220 V 50 Hz Electric Combi with External Cylinder				
UKDAX-6HBM	6	700*400*220	23.5	7
UKDAX-10HBM	10	700*400*220	23.5	7
UKDAX-12HBM	12	700*400*220	23.5	7
UKDAX-16HBM	16	700*400*220	25.0	7
UKDAX-18HBM	18	700*400*220	25.0	7

General Technical Specifications		
Min. Operating pressure	bar	1
Max. Operating pressure	bar	3
Heating Operating Set Temperature	°C	10-80
Cylinder Operating Set Temperature	°C	35-65
Heating Connections	Inch	3/4
Cylinder Connections	Inch	3/4
Water Fill Connection	Inch	1/2

5. DEVICE INSTALLATION

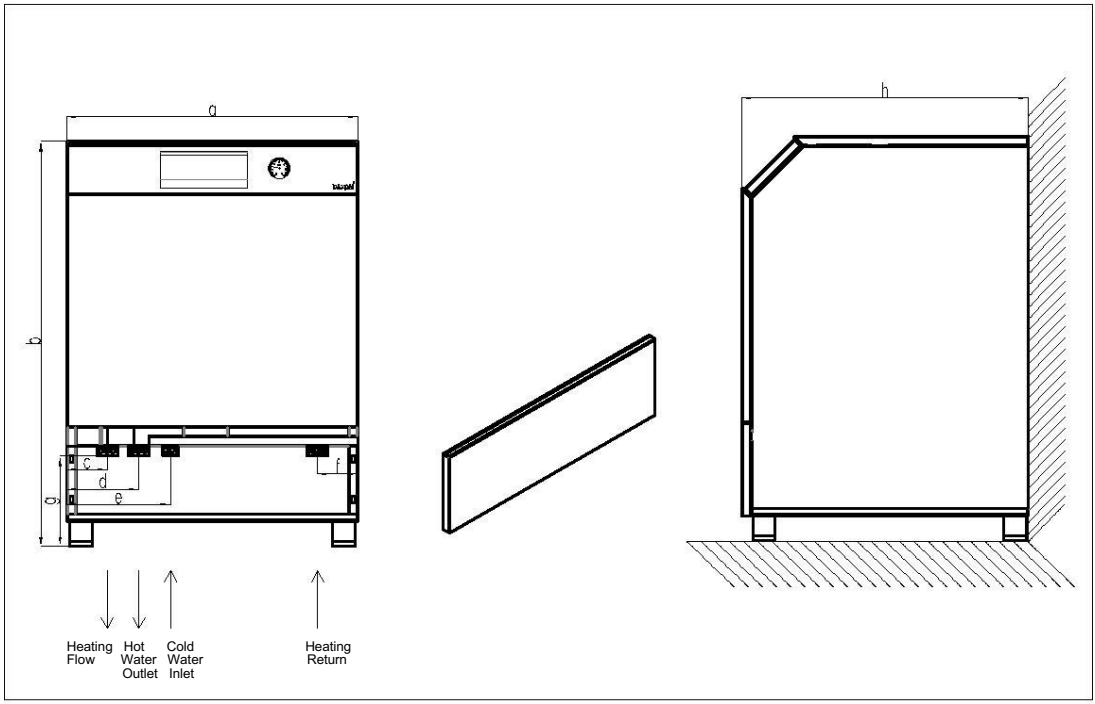
⚠ The device must be installed by qualified personnel.

- **Wall Hung Electric Combi Boiler**



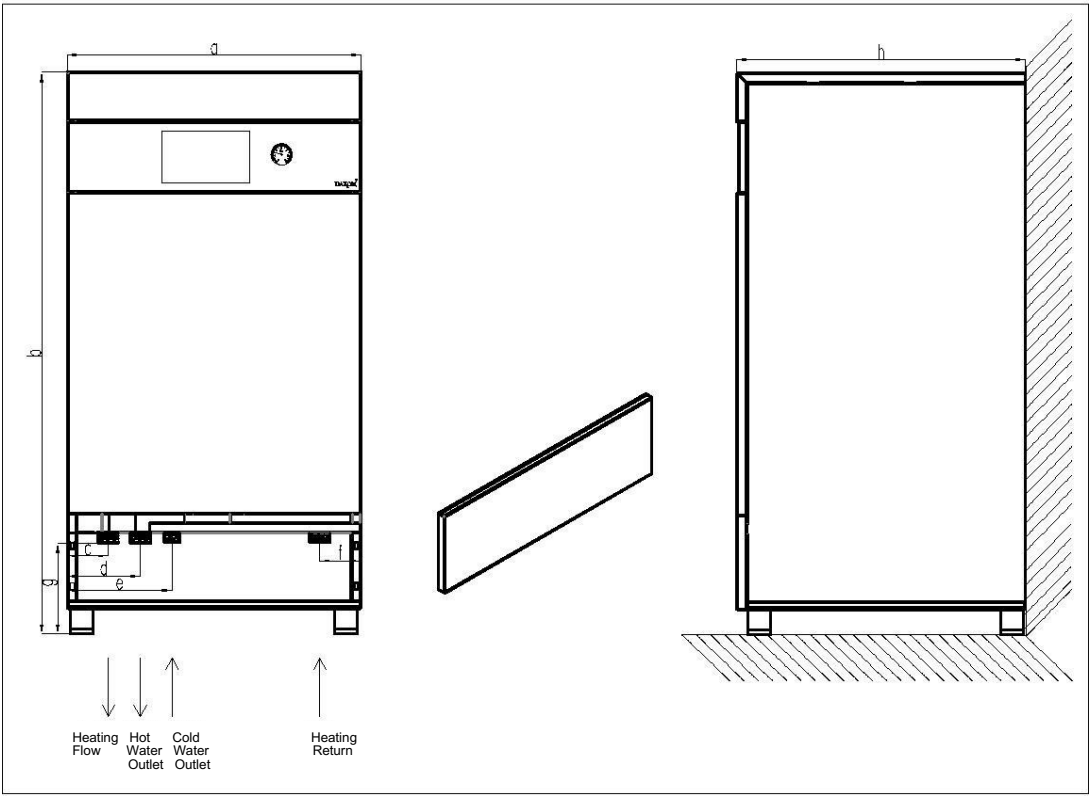
SYMBOL SIZE (mm)	a	b	c	d	e	f	g	h	i	j
	770	560	390	85	150	380	475	180	100	230

- **Floor Standing Electric Combi Boiler [UKDAX-80YxxBT / UKDAX-80YxxBM]**



Symbol	a	b	c	d	e	f	g	h
Size (mm)	600	836	84	149	214	84	186	590

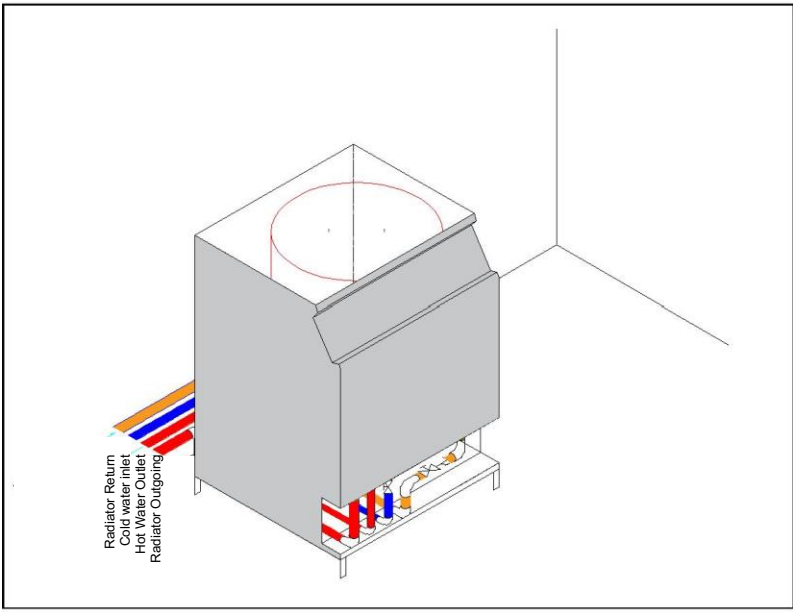
- **Floor Standing Electric Combi Boiler [UKDAX-120YxxBT / UKDAX-120YxxBM]**

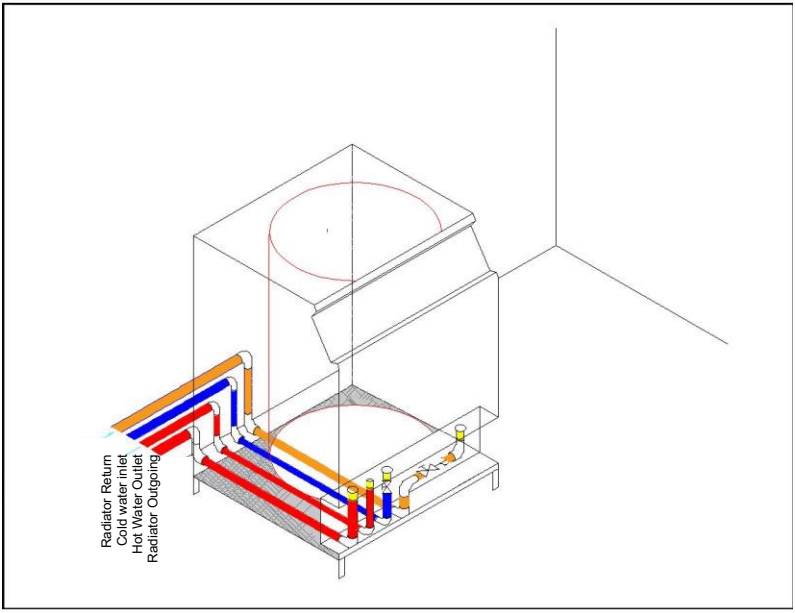


Symbol	a	b	c	d	e	f	g	h
Size (mm)	600	1152	84	149	214	84	186	590

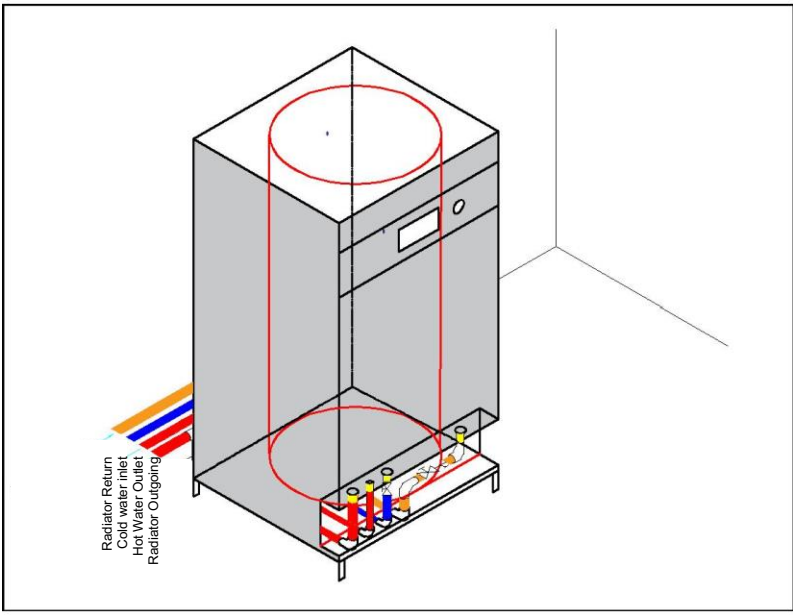
- **Floor Standing Electric Combi Boiler**

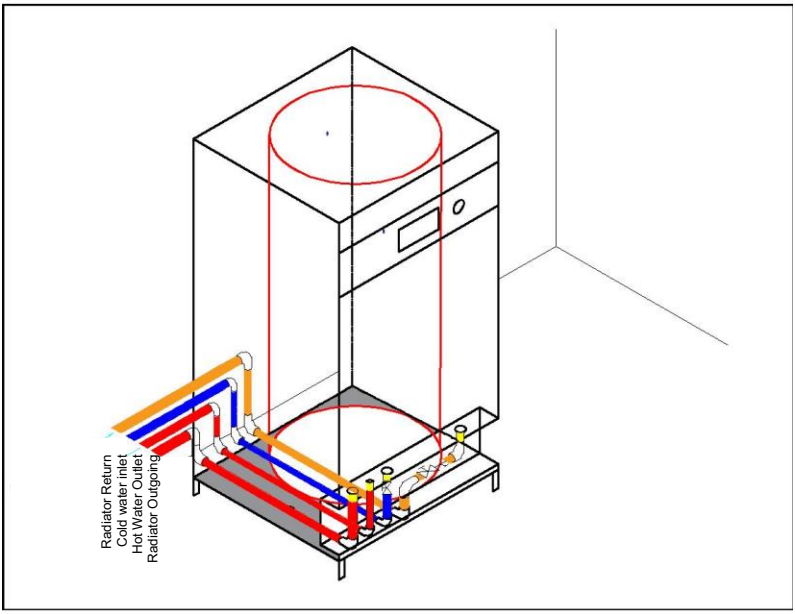
Installation [UKDAX-80YxxBT / UKDAX-80YxxBM]

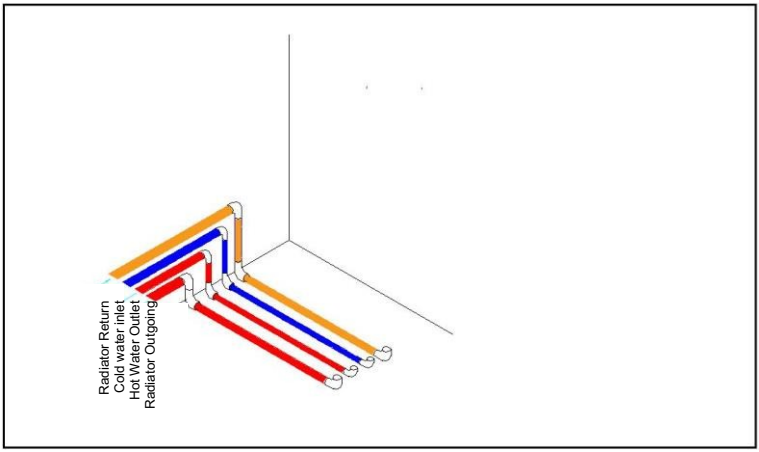




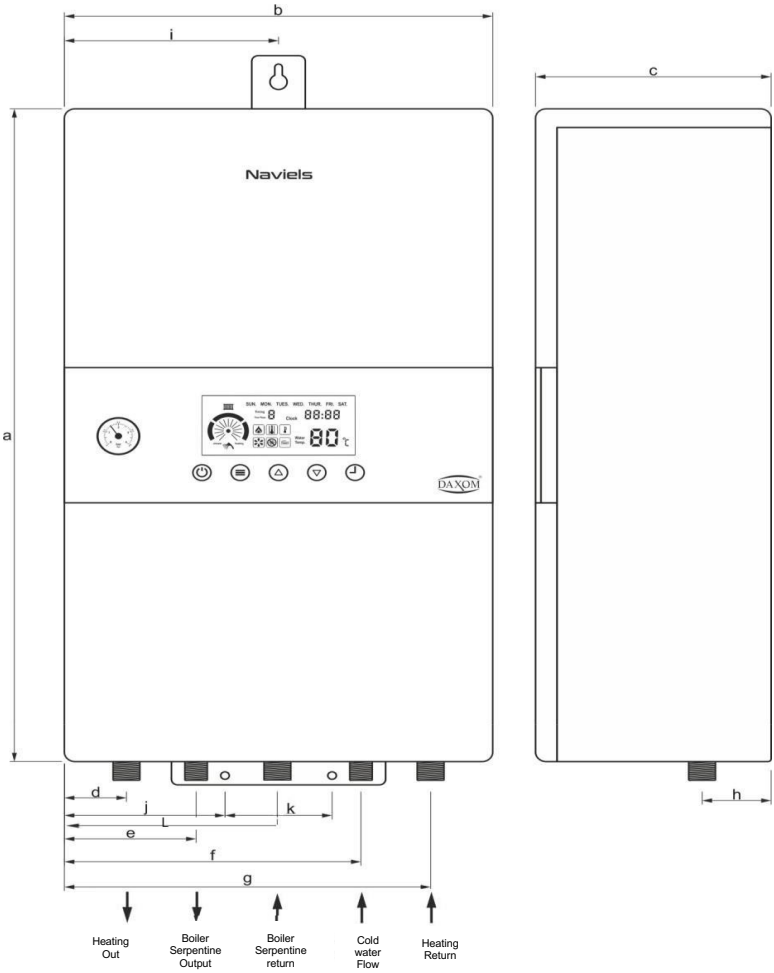
[UKDAX-120YxxBT / UKDAX-120YxxBM]






Radiator Return
Cold water inlet
Hot Water Outlet
Radiator Outgoing

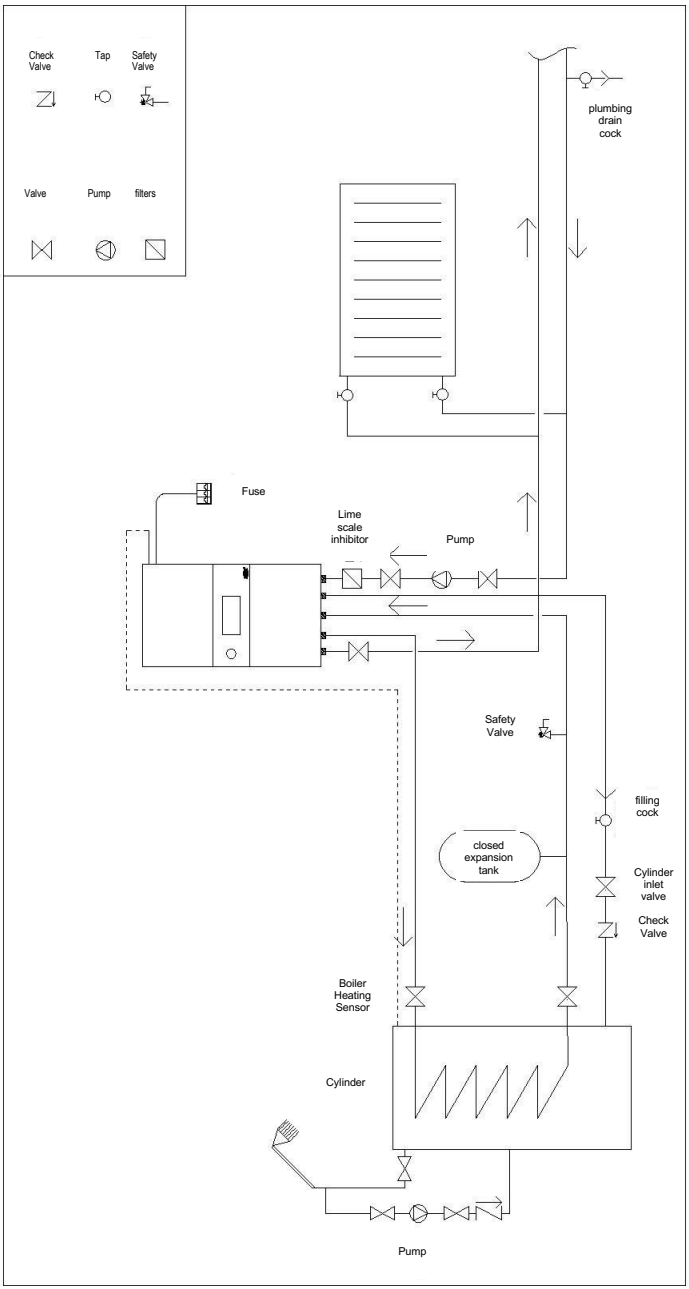
- **<u>Wall Hung Electric Combi with External Boiler</u>**



Capacity	a	b	c	d	e	f	g	h	i	j	k	l
10-24 KW	700	400	220	58	122	277	342	65	200	123	100	200
30-48 KW	700	450	320	83	147	302	367	75	225	148	100	225

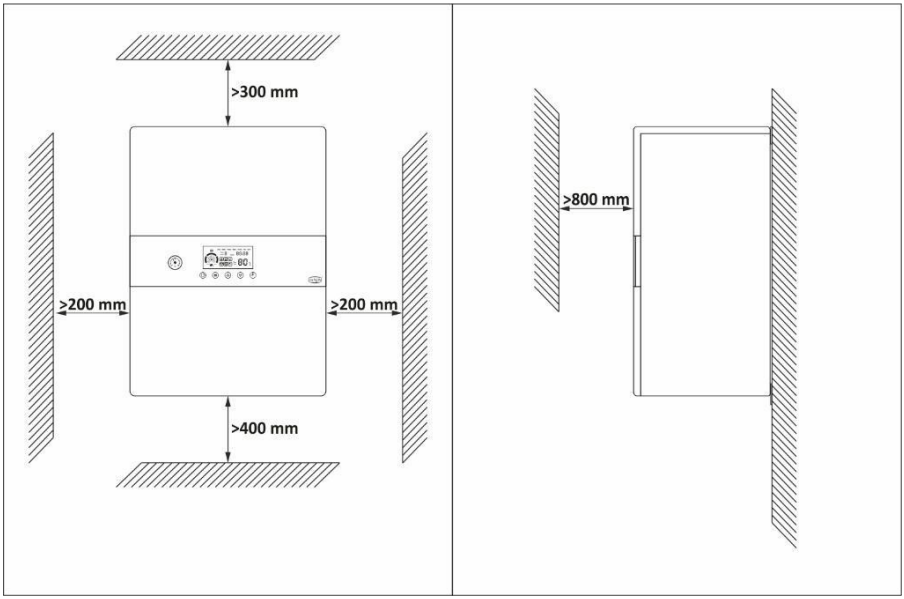
*Dimensions are in mm.

Electric Combi with External Cylinder principle installation connection diagram:



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:

- The device 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.
- The discharge outlets of the safety valves must be connected to the nearest drain with a suitable discharge pipe.
- When the pressure of the heating system rises above 3 bar, water discharge starts from the safety valve.
- For Ukdax-xxHBT and Ukdax-xxHBM models, a 50K NTC boiler sensor must be installed.
- When the cylinder pressure exceeds 8 bar, water discharge starts from the safety valve. **(For Ukdax-xxEBM and Ukdax-xxEBT models)** maximum operating pressure of the boiler is 6 bar. If the pressure of the mains coming in is above 3 bar, have a pressure reducing valve installed, it has to be at the mains cold water coming into the property.

- The environment in which the device is installed should be clear 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, MCB, RCD and grounding connection must be made.
- 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 appropriate diameter and number of mounting holes in the selected place in accordance with the conditions stated above. Screw the upper hanger plate of the device tightly. Screw the hanger plate in more places if necessary. Hold the device by two people facing each other and place it on the hanger plate fixed to the wall. Do not let go of the device without first making sure that it is fully seated. Then screw the lower hanger plate of the device firmly to the wall and check its stability.

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. 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 return heating pipe 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. The supplied PRV for the DHW Cylinder needs to be installed at the cold water inlet to the boiler.

5.2.1.1. Filling the Boiler

After the installation connections are completed, the boiler must be filled. This should be done by following the instructions below.

- Open the cold water inlet valve of the device.
- Open any tap (preferably the nearest tap) connected to the hot water outlet of the device. The air in the boiler will be discharged from this tap.
- Turn off the tap after air is removed through the tap and when water begins to flow uninterruptedly.

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

⚠ **For UKDAX-xxHBT and UKDAX-xxHBM** models, a 50K NTC boiler sensor must be installed.

5.2.1.2. Filling the Heating System

Filling is done with the blue filling tap at the bottom of the device. This should be done by following the instructions below.

- Make sure that the boiler inlet valve of the device is open.
- Turn on the filling tap.
- 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. 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 residual current relay with appropriate specifications and an isolator with suitable amp value, both capable of completely cutting the electricity supply to the device off, and the isolator 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 fuse should be located sufficiently close to the device so that the cable coming from the device can be connected to it without tension. Connection of cables to fuses should be made by qualified personnel.

⚠ Make sure you connect the cables to the right place.

Loose cable connections can cause accidents.

⚠ **For UKDAX-xxHBT and UKDAXxxHBM** models, a 50K NTC boiler sensor must be installed.

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

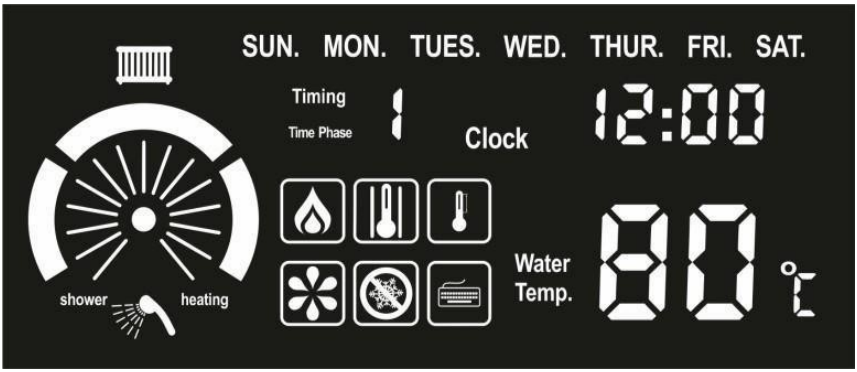
Power (KW)	Phase & Voltage (V)	Current Drawn (A)	Fuse & Leakage Residual Current Relay (A)	Cable Cross Section (mm)
3~400 V. 50 Hz				
10	3~400	3*15,2	3*20	5*2,5
12	3~400	3*18,2	3*20	5*2,5
16	3~400	3*24,3	3*25	5*4
18	3~400	3*27,3	3*32	5*4
20	3~400	3*30,4	3*40	5*6
24	3~400	3*36,4	3*50	5*6
30	3~400	3*45,5	3*63	5*10
36	3~400	3*54,6	3*63	5*10
40	3~400	3*60,7	3*63	5*16
48	3~400	3*72,8	3*80	5*16
1~220 V.50 Hz				
6	1~220	27.3	32	3*4
10	1~220	45.6	50	3*6
12	1~220	54.6	63	3*10
16	1~220	72.8	80	3*16
18	1~220	81.9	100	3*16

⚠ 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.

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.



	Radiator heating indicator
	Underfloor heating indicator
SUN.	Days of the week
Timing Time Phase 1	Time program. 7 time programs can be made
12:00	Time
	Capacity indicator
	Ready-to-run indicator
	Hot water heating indicator
	Heating indicator
	Restart temperature difference indicator
	ΔT temperature difference indicator
	Pump run indicator
	Frost protection indicator
Water Temp. 80 ℃	Temperature display

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.

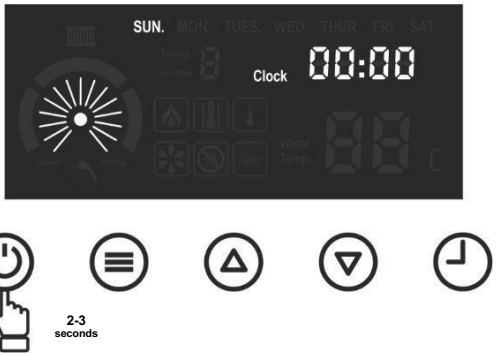
⚠ Our company is not responsible for damages and accidents that may occur because of intervention by unqualified personnel.

Before operating the device, check that all mechanical and electrical connections are correct. The boiler and heating system must be completely 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 system valves of the device are open.
- 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.

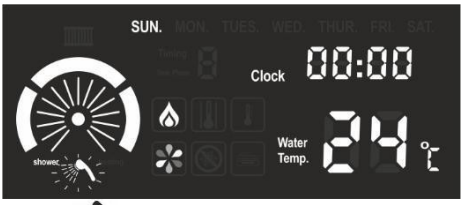


The device keeps the last settings in its memory before it turns off. When it is turned on again, it starts working using the same settings.

- If, before the device is turned off, the operating mode is set to DHW and central heating, and if, when it is turned on again, the boiler temperature is below the set temperature, the device operates for DHW heating. *"**heating**"* and *"**shower**"* texts, as well as ❄ and 🔥 icons appear, 🚿 icon flashes.

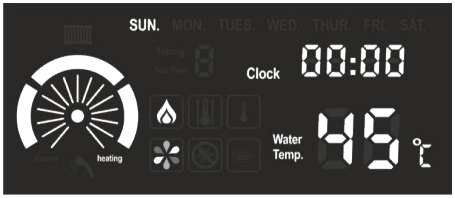
If the boiler temperature is equal to or higher than the set temperature, the device starts to work for central heating, and the *"**heating**"* and *"**shower**"* texts as well as ❄ and 🔥 icons appear.

- If the operating mode of the device before the device is turned off is set to DHW, and if, when it is turned on again, the boiler temperature is below the set temperature, the device operates for DHW heating, *"**shower**"* text as well as 



and  icons appear,  icon flashes. If the boiler temperature is equal to or above the set temperature, the device switches to standby.

- If the operating mode before the device is switched off is set to central heating, the device operates for central heating. *"**heating**"* text as well as  icon appear, after the pump runs for about one minute, the device starts heating,  icon appears.



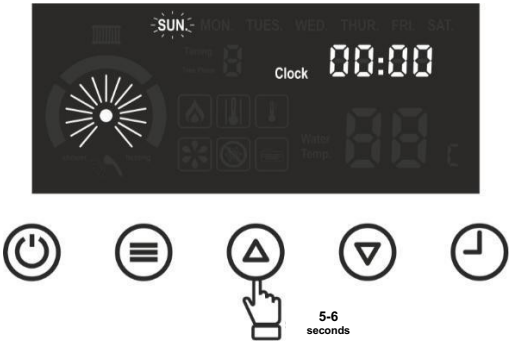
A beep will sound for each keypress. For long-term key presses (e.g., 2-3 seconds), the keypress will not have registered until a beep is heard.

6.4. Setting Operation Parameters

6.4.1. Setting the Day and Time

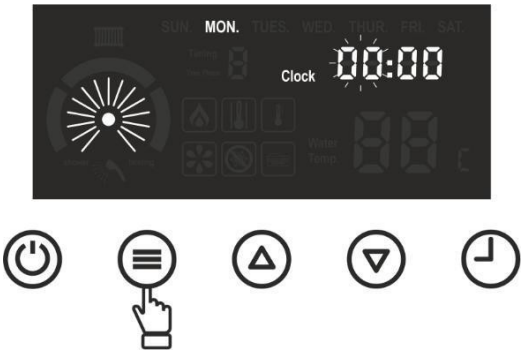
- Turn the device off.

- 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 △ button at one second intervals to set the time between 0 and 23.

- ⓜ button is pressed, minute digit starts to flash.

- Press the ▽ or △ button 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 and icons are visible on the display (the appliance is operating for central heating) by pressing or buttons the 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. To adjust the heating temperature while operating for DHW heating, the operating mode of the device must be changed to central 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. It may take time for the device to reach the set temperature. Central heating does not start immediately after the DHW heating is completed. For temperature compensation, the heating starts after the pump has run for a while.

6.4.3. Adjusting the DHW Temperature

DHW temperature setting: the and icons appear on the screen, when the icon is flashing.

(When it is operating for DHW heating) the device can be set between 30°C and 65°C by pressing the or keys.

If the operating mode is set to DHW heating, it is also possible to change the boiler temperature during standby.

To adjust the DHW temperature during operation for central heating, the operating mode of the device must be changed to DHW 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**"* texts are displayed on the screen.

⚠ Boiler heating always takes priority.

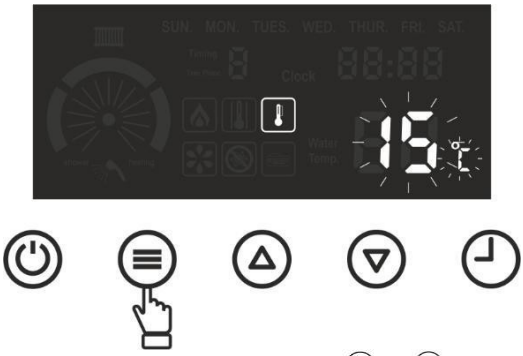
After heating the DHW, the device then operates for central heating. When the temperature drops 7°C below the set DHW temperature, DHW heating starts again.

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 using the ▽ or △ keys.

- Press the ⏻ button to exit the setting menu.

6.4.5. Room Thermostat Connection

It is possible to control the device with a room thermostat. Doing so, the device operates according to the ambience temperature in the room where the thermostat is located. Room thermostat installation must be done by qualified personnel.

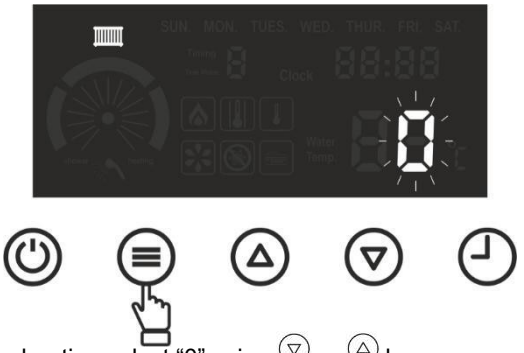
6.4.6. Setting the Heating Mode

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.

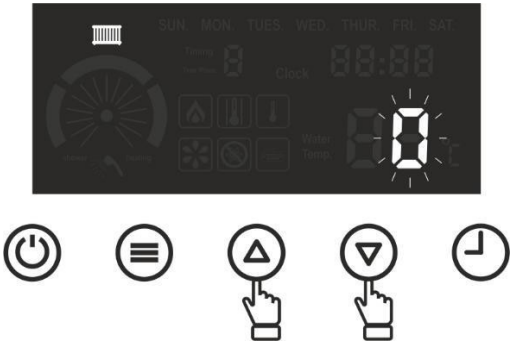
In radiator heated systems, if they so wish, the users can switch the heating mode to underfloor heating and enable the device to operate at a maximum of 55°C. icon will appear in radiator heating mode, but not in underfloor heating mode. When the device is in its normal operating position:

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

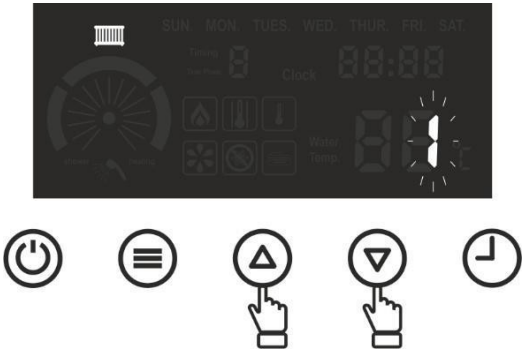
- ☰ key is pressed at intervals of one second, until the symbol appears, heating mode option indicator starts to flash.



- For underfloor heating select “0” using ▽ or △ 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 qualified personnel from within the device.

- Press the ⏻ button to exit the settings menu.

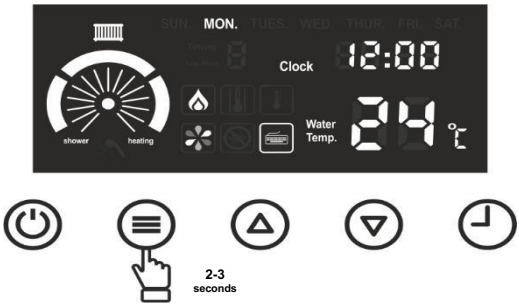
⚠ In underfloor heating systems, the temperature should never be set above 55°C

Our company will not be responsible for any damage or accidents that may occur if this adjustment is made.

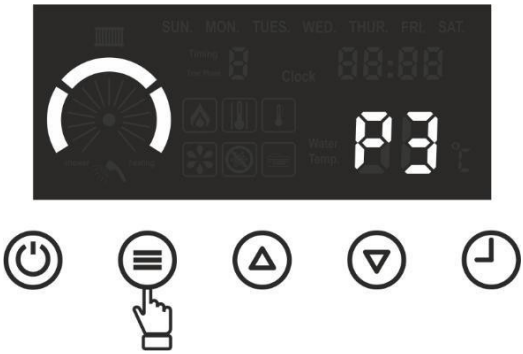
6.4.7. Adjusting the Capacity

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, P2 is: 16 kW, and P3 is: 24 kW. When the device is in its normal operating position:

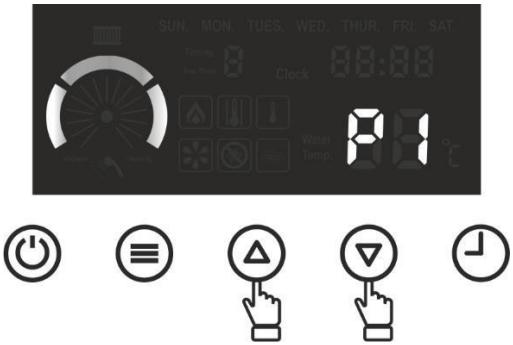
- Press the ☰ button for 2-3 seconds to enter the settings menu.



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



- Using ▽ or △ 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.

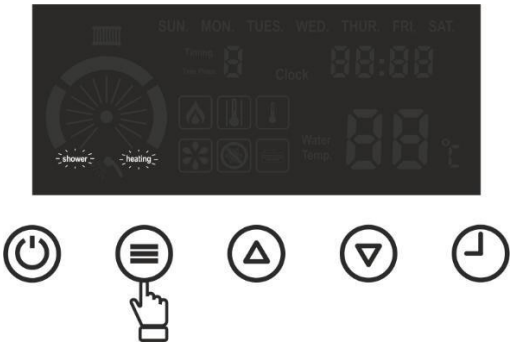
- Central Heating Mode: The device only performs central heating. DHW heating does not take place.

- DHW Heating Mode: The device only performs DHW heating. It can also be called summer setting.
- Central Heating and DHW Operating Mode: The device performs both central heating and DHW heating.

  The priority is always on the DHW heating.

  If, while heating is being provided for the central heating, the DHW also requires heating, then the device stops central heating and works for the DHW heating.
- 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 *"**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 DHW heating.

If *"**shower**"* and *"**heating**"* are selected at the same time, the device operates for DHW and central heating.

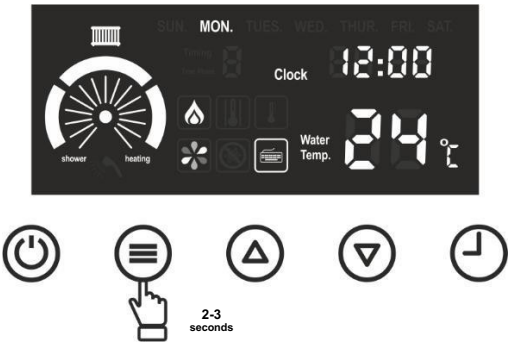
- Press the ⏻ button to exit the settings menu.

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.

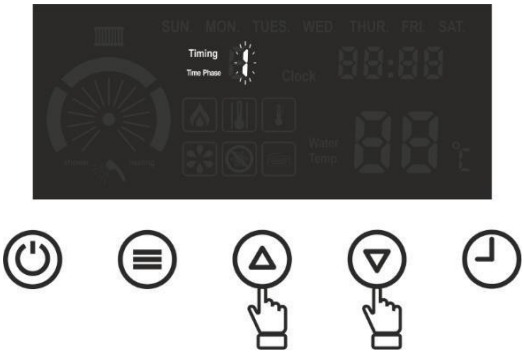
If programming has been done and activated, during unprogrammed time periods the device switches to standby for central heating. Using the 🕘 button, the time program can be activated or deactivated. When the time program is active, the current program number appears. When the device is in its normal operating position:

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



- Until "***Timing Time Phase***" appears, press the ☰ button at intervals of one second, the time program number starts to flash.

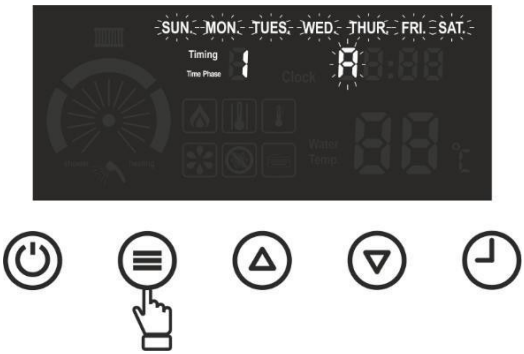
- By pressing the ▽ or △ button the time program number between 1 and 7 is selected.



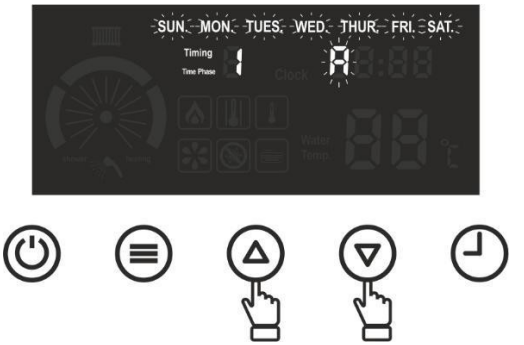
- ☰ key is pressed.

- Using ▽ or △ keys the time program selected is set to on, meaning the "***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 △ keys.
  The days of the week are grouped as follows.

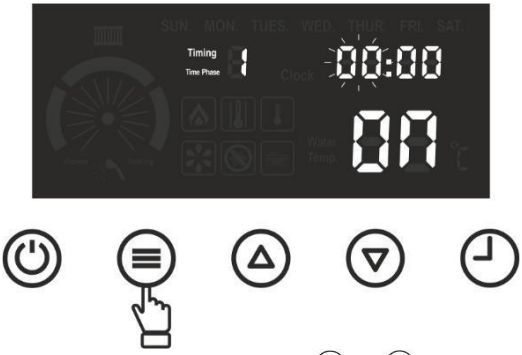


- All days can be selected. (***SUN. MON. TUES. WED. THUR. FRI. SAT.***)

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

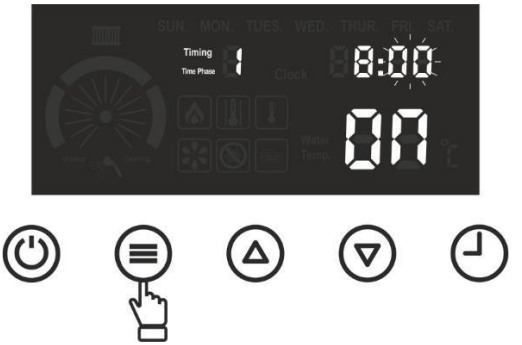
- Weekdays can be selected. (***MON. TUES. WED. THUR. FRI.***)
- Days can be selected individually.

- ☰ key is pressed. The program start time starts to flash.



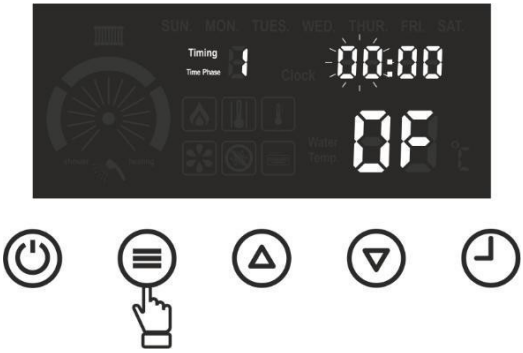
- The program start time is determined using ▽ or △ keys.

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



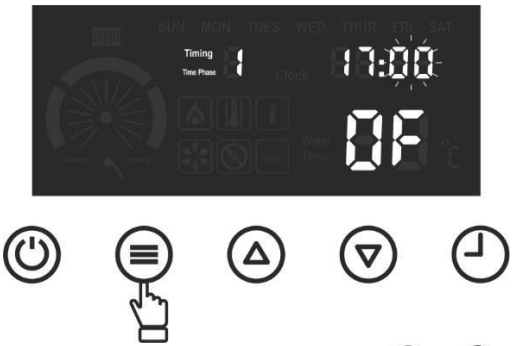
- The program start minute value can be determined using ▽ or △ keys.

- ≡ key is pressed. The program end time starts to flash.



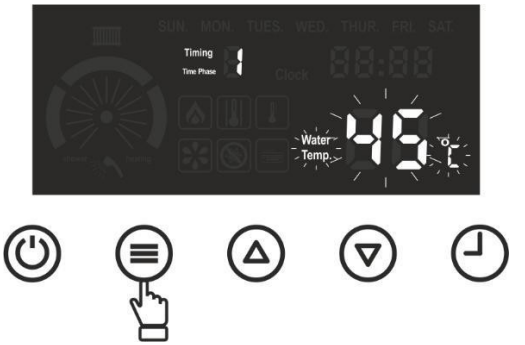
- The program end time is determined using ▽ or △ keys.

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



- The program end minute value is determined using ▽ or △ keys.

- ☰ key is pressed. The temperature indicator starts flashing.

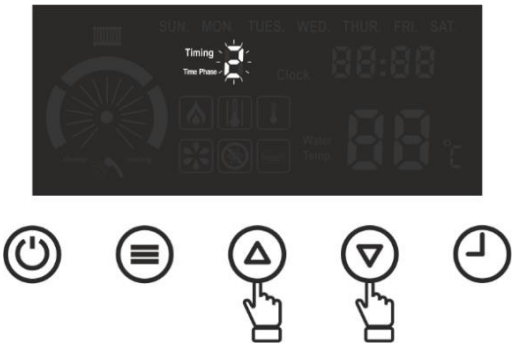


- The operating temperature in the selected program is selected with ⓐ or ⓑ keys.

- ☰ button is pressed and both the 🌡 icon and the flow/return temperature difference setting indicator start to flash.

- The desired T (flow/return temperature difference) in the selected program is selected with ⓐ or ⓑ keys.

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



- It is not necessary for all time programs to be adjusted. You can set as many time programs as you want from 1 to 7. Programs that are not set will not be active as they will remain in the "***OFF***" position.

- After programming is completed, by pressing the ⏻ key or by not pressing any keys for 10 seconds, the settings will be saved, and the settings 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.

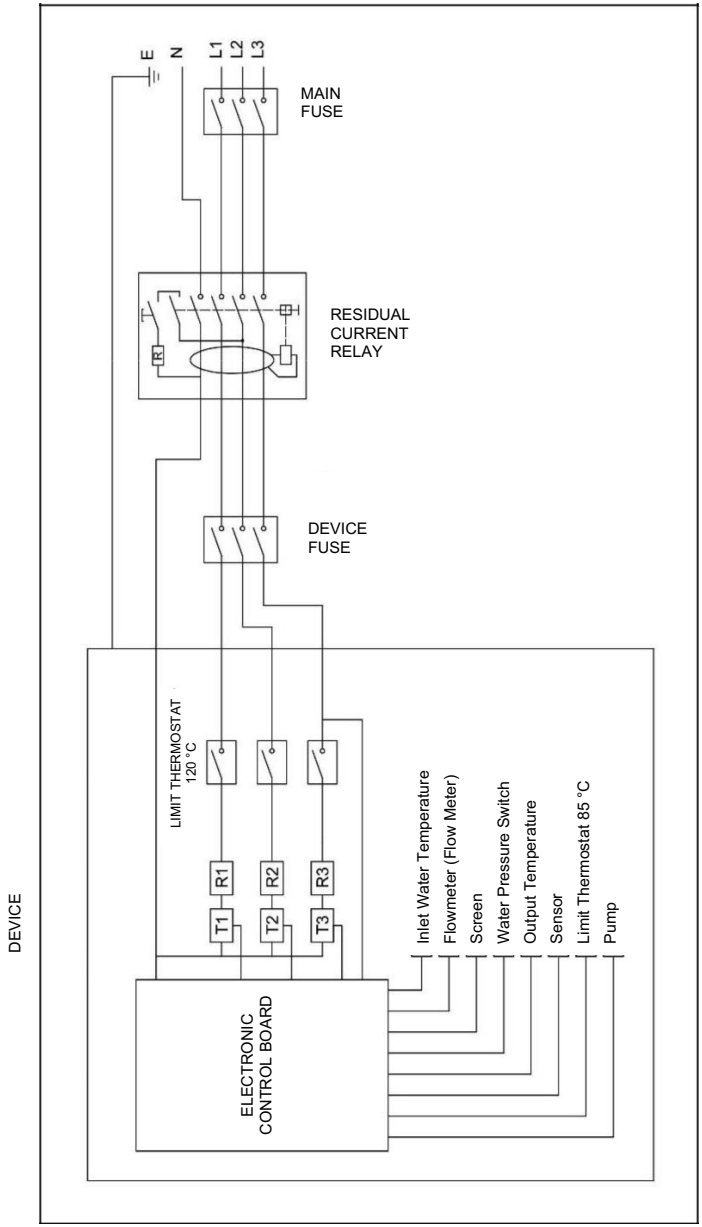
Leaving the electricity supply on will protect the device using the functions of the following systems.

- 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  icon 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 function of the device will not work.

7. ELECTRICAL DIAGRAM



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 void the warranty. Our company will not be responsible for any malfunctions and accidents that may occur subsequently.

9. TROUBLESHOOTING & FAULT FIXING TABLE

Fault Code	Fault	Solution
E0	➢ Insufficient water pressure ➢ Water pressure switch malfunction	➢ Adjust the water pressure between 1-2 bar ➢ Call the authorized service
E1	➢ Heater sensor malfunction	➢ If you continue to receive the same fault code after waiting for a while, call the authorized service.
E3	➢ Water temperature above 85°C	➢ The device will start to work after a few minutes warning.
E4	➢ Limit thermostat warning	➢ 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	➢ Pipe clogged or valve closed ➢ Pump malfunction ➢ Flow meter malfunction	➢ Check if there is a shut valve in the heating installation and no pump failure and clean the magnetic filter ➢ Call the authorized service

PROBLEM / CAUSE	No light on control panel	Keys do not work	There is a burning smell	Heating temperature is	Boiler does not heat	Water leak in the connections	Frequently diminishing water	Safety valve leaking water	SOLUTIONS
➢ No electricity ➢ Residual current relay or fuse is shut ➢ Connection problem concerning the control board and power board ➢ Display card failure	●	●							➢ Check if there is electricity ➢ Check the device's residual current relay and fuse ➢ Call the authorized service
➢ Connections not made properly ➢ Sealing gasket defective						●			➢ Have the connections made again ➢ Renew sealing gaskets
➢ Keypad malfunction ➢ Electronic board failure		●							➢ Call authorized service
➢ Unsuitable cable use ➢ Loose connection			●						➢ Turn off the device and call the authorized service
➢ High pressure								●	➢ Drain excess water from the drain valve
➢ The device is set to central heating operation mode ➢ Flow sensor malfunction					●				➢ Check device settings ➢ Call the authorized service
➢ Resistance fault ➢ Limit thermostat cut off the current ➢ Triac failure ➢ Control board failure				●	●				➢ Call authorized service
➢ Insufficient water pressure					●				➢ Check water pressure
➢ There is a water leak in the plumbing pipes							●		➢ Fix the water leak in the heating system.

Daxom Installation Checklist

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

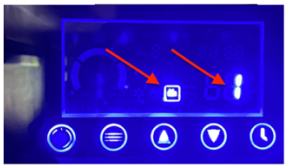
How to connect a room thermostat

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.



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