

SAUNA HEATER WITH EXTERNAL CONTROL PANEL

INSTALLATION MANUAL (DIGITAL DISPLAY)



Use ordinary drinking water only.

Other materials poured into the stone compartment may damage the heating elements, which is beyond our guarantee.

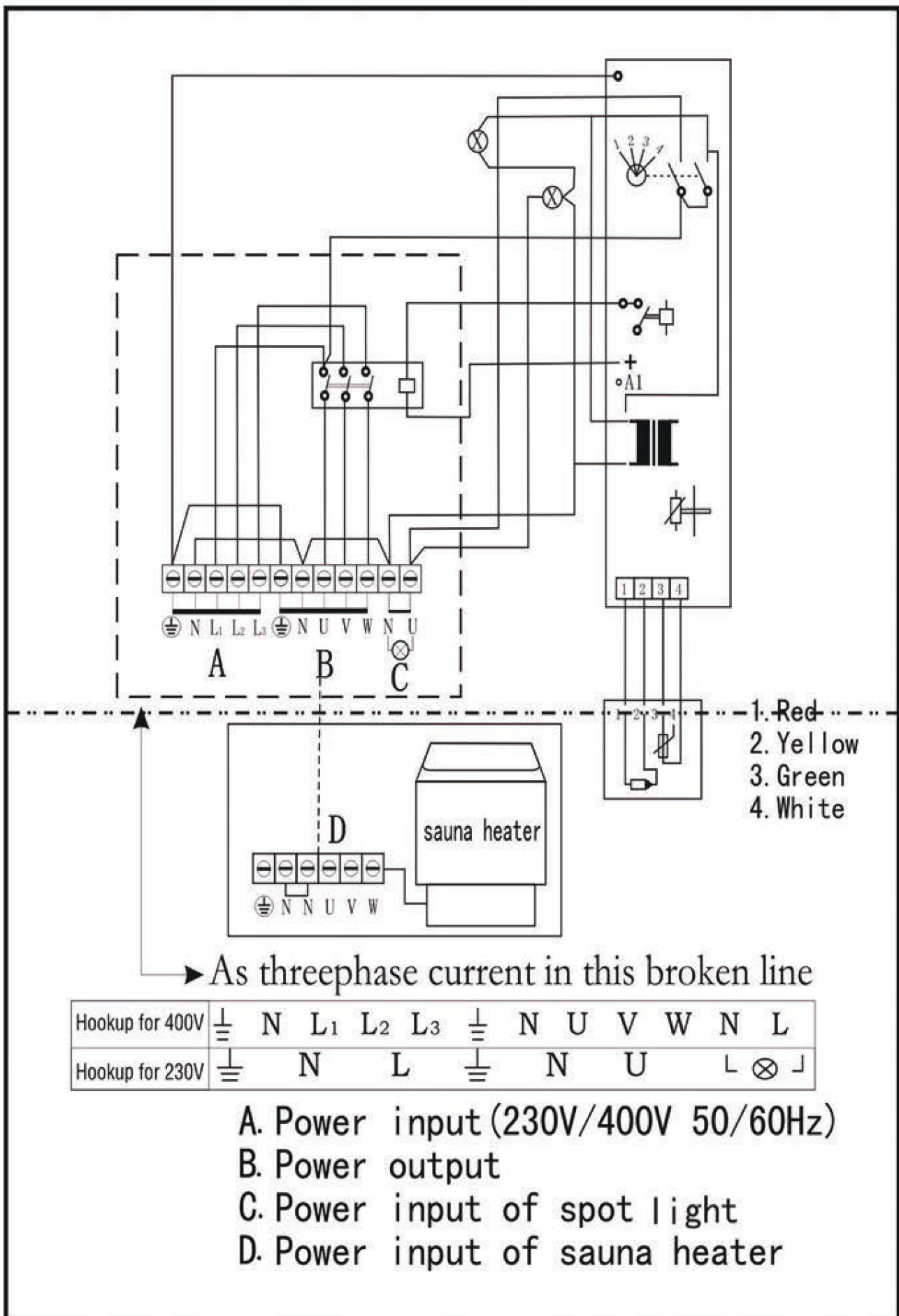
- ① Contactor model Lcl-D1810 used for sauna heater 3-9KW
- ② Contactor model Lcl-D2510 used for sauna heater 10.5-15KW

WARNING:

PLEASE READ THIS MANUAL CAREFULLY BEFORE USE

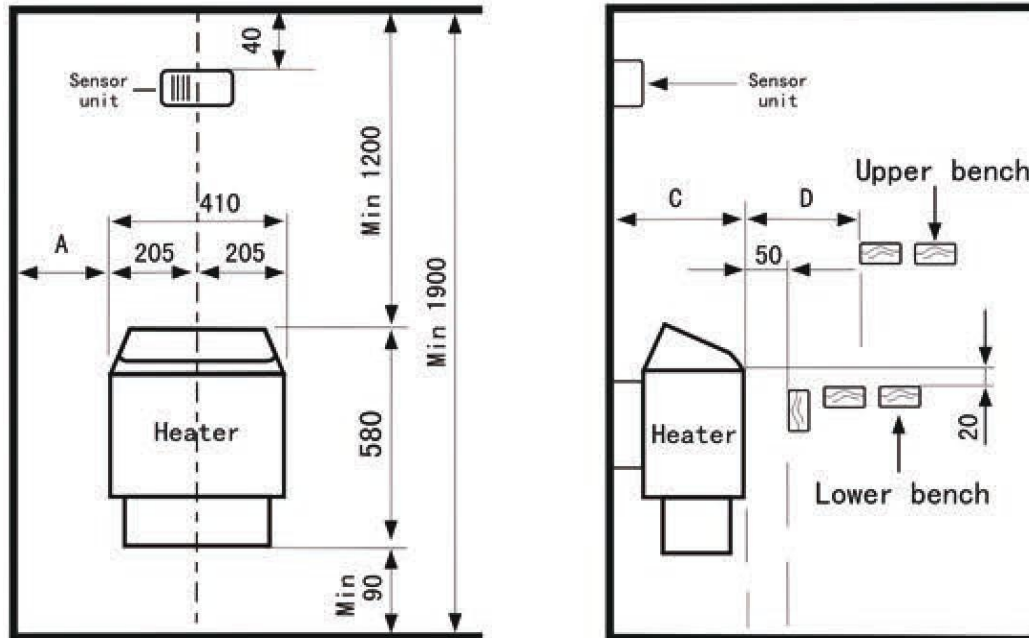
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Attached Diagram.



5).Installation Diagram of temperature sensor and sauna heater.

Temperature sensor and sauna heater must be installed strictly according to the following diagrams. Failure to follow these causes too high temperature and a fire hazard. Unit: mm



Heater	Distance (mm)		
	A	C	D
3KW	50	280	80
4. 5KW	80	280	100
6KW	100	280	150
8KW	130	300	200
9KW	130	300	200

6).Connection

- 1) Connect the electricity supply cables respectively to L1, L2 and L3 of the power input port on the control panel. Neuter wire must be connected to the "N" position and the grounding wire must be connected to \perp .
- 2) Connect the output port of the electricity power in the control box by heat resistant cables respectively to the input port on sauna heater as symbols shown.

② Press **P** when limination blink, then sauna heater will start standby mode, limination of **P** will be on when it arrive the setting working time. Sauna heater will work according to setting working time and temperature, and it will turn off automatically after arriving appointed working time.

4. Reservation setting

① Press **SET** until its lumination blink, and press **Prepare to place** to its lumination blink, then Time table / Temperature table blink.

② Press **M** or **H** to the setting time, press **▲** / **▼** to the setting temperature.

③ Press **SET** then Time table blink.

④ Press **M** or **H** to set the off time.

⑤ Press **SET** to finish setting.

5. Open Ozone generator

Press **O₃** until its lumination on, then Ozone generator will work for disinfecting sauna room, it will be off automatically accoring to setting working time last time.

6. Set the working time of Ozone generator

① Press **SET** , and press **O₃** to Time table blink.

② Press **M** or **H** to the setting time.

③ Press **SET** to finish setting.

7. Correct the time

① Hold down **H** to Time table blink.

② Press **M** or **H** to adjust time.

③ Press **SET** to finish adjustment.

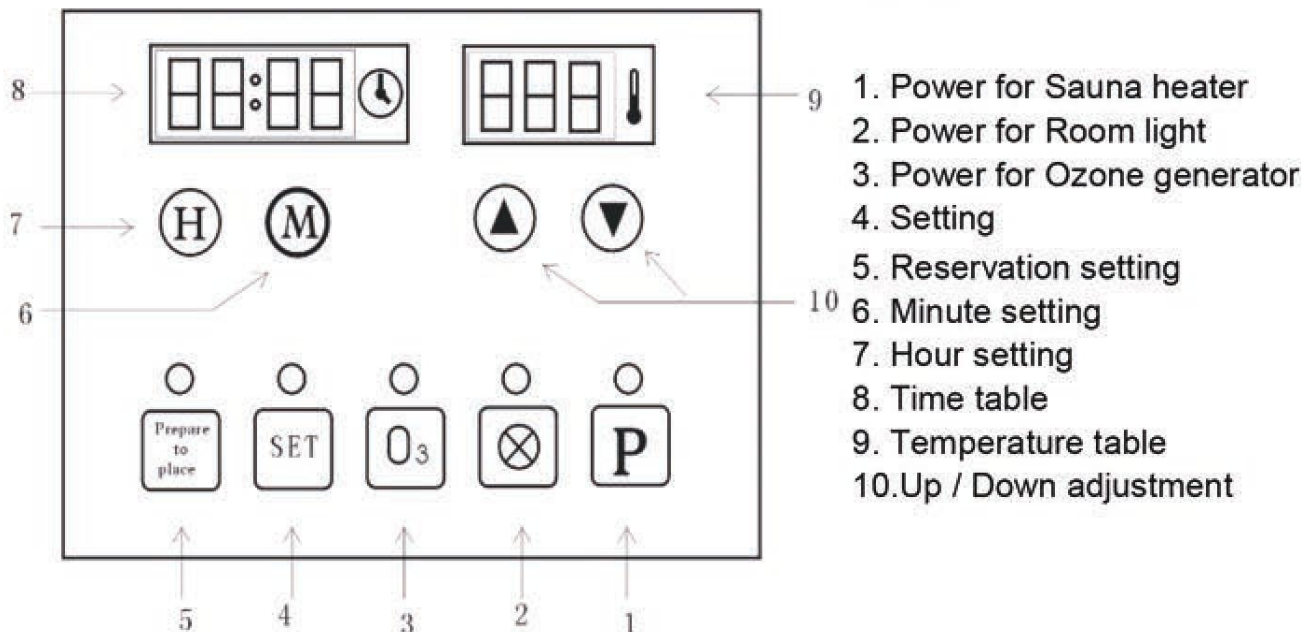
8. Correct the temperature (When actual temperature have error with display temperature)

① Hold down **▲** to Temperatue table blink.

② Press **▲** / **▼** to adjust temperature.

③ Press **SET** to finish adjustment.

The control panel is of splashing proof model and can be installed in a dry place near sauna room. The temperature sensor unit must be installed to the wall in sauna room. For installation please follow the minimum safety distances of sauna heater indicated in installation diagram. Failure to follow these may cause a burn to the wooden wall. (See details in the following figures)



1).Operation modes of transfer switch and timer

1. Operation of Sauna heater

Press **P** until its lumination on, sauna heater is on for heating the room. Sauna heater will control the room temperature by appointed temperature and working time last time, and it will be off automatically in setting time.

2. Setting working time / temperature of Sauna heater

① Press **SET** until its lumination blink, and press **P** when its limination blink, then Time table / Temperature table blink.

② Press **M** or **H** to adjust the setting time, press **▲** / **▼** to adjust the setting temperature.

③ Press **SET** to finish setting.

3. Prepare to place the Sauna heater

① Press **Prepare to place** when limination blink.

7). Sauna Rocks

Load adequate sauna rocks (10-15kg) into the sauna heater after finishing the installation of sauna heater and controller.

ATTENTION: Sauna rocks must be of finest qualities because temperature inside sauna heater is extremely high. Rocks not be able to withstand heat and the great heat changes easily break or get crumbling and damage the heating elements, or are easily oxidized which in return counteract the heat circulation and damage the sauna heater while being heated or being thrown water to for vapors causes.

8).WARNING

1. Electrical shock hazard -----there are no owner serviceable parts in sauna heater. To avoid electrical shock hazard, all installations and relevant services shall be performed by qualified personnel.
2. Sauna shall be less than half an hour. Bathing too long may cause heart beating too fast, light heartache, feeling weak or dizzy. Should the bather stop bathing immediately as soon as the above symptoms occur.
3. Sauna bath may cause tension to the bather. Thus, one who is one of the followings should be directed by physician:
A. Being pregnant B. Having heart disease C. Having high blood pressure D. Having circulation system disease E. After drinking
F. After taking medicine. G. Diabetes H. Not feeling well.
4. Children must be under the company of adult in taking sauna bath.
5. Risk of scald: Must not touch the sauna heater or trim during heating, as it is hot. Stay at least 30 cm away from the hot heater.

9). GUARANTEE

1. Control panel is under one year guarantee.
2. Main body of sauna heater is under one year guarantee.
3. The following situations are not guaranteed:
 - 1) Installation or internal structure disassembling by unprofessional personnel
 - 2) supply voltage fluctuation range $>\pm 10\%$
 - 3) unqualified rocks on sauna heater's compartment
 - 4) installation without following the dimension instruction of manual