



# AAsaunas

*Top quality saunas originally crafted by three generations of craftsmen*

**Web site: <http://www.AAsaunas.co.uk>**

---

## SAUNA HEATER WITH EXTERNAL CONTROL PANEL INSTALLATION MANUAL (Digital Display)



Use clean water only, avoid tap water from hard water areas.

Other liquids poured onto the stone compartment will invalidate any sauna heater warranty.

1. CON-11 uses contactor Lcl-D1810 for  $\leq 6$ kW single-phase & 9kW 3-phase.
2. CON-12 uses contactor Lcl-D2510 for  $\leq 12$ kW single-phase & 15kW 3-phase.

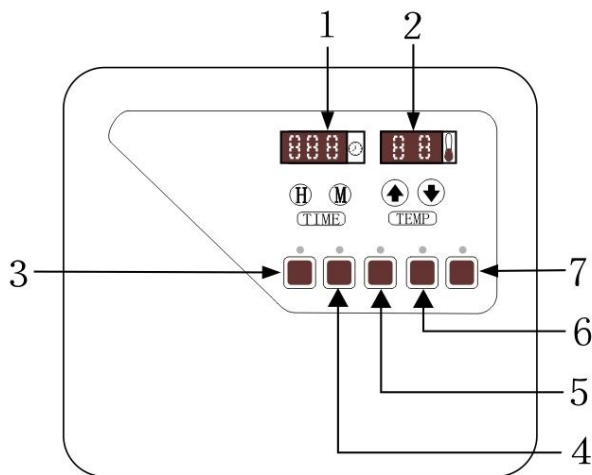
For use with 230V ac single-phase & 400V ac 3-phase 50Hz supplies.


**WARNING: PLEASE READ THIS MANUAL CAREFULLY BEFORE USE.**

---

**Email: [aasaunaman@gmail.com](mailto:aasaunaman@gmail.com)**

The control panel is IP44 splash proof and can be installed in a dry place near the sauna room. The thermostat should be installed on the same wall as the sauna heater, on the centre line of the sauna heater and 40mm from the ceiling. Ensure that the safety distances described in your sauna heater instructions, or rating plate on the sauna heater are followed to avoid heat damage to any wood paneling' or nearby wooden structures.



1. Time
2. temperature
3. Prepare to Place
4. Control Time
5. Ozone (O<sub>3</sub>)
6. Sauna Light 
7. Time Setting (P)

**Note:** Ozone not currently used.

## Control Panel

### 1. **Operation of Control Panel**

A. To operate heater manually all you need do is press **P** ONCE.

B. To switch heater off press **P** again ONCE.

---

#### CONTINUE BELOW ONLY IF SETTING TIMER

C. To set the clock (the heater needs to be OFF); press **H** to adjust the hour while the display is flashing. Press **M** to adjust minutes while display is flashing.

D. To set the timer (if required). First ensure that operation '**C**' is correct and the power is OFF. Then press **Prepare to place** and set the time you want the heater to begin operation (remember to allow for a warm up period). Now press the **P** button. THIS ONLY SETS THE START TIME WITHIN 24 HOURS. YOU WILL NEED TO STOP THE CYCLE MANUALLY. BY PRESSING **P** AFTER YOU'VE HAD YOUR SAUNA.

E. To set the time you want heater to operate: press **P** and **Control time**. Then set the time you want the heater to operate, using the **H** & **M** (the maximum time is 4 hours 10 minutes). DOES NOT WORK IN CONJUNCTION WITH **D**.

Watch YouTube video to set start time: <https://youtu.be/Rmt2WxfNJM8>

Watch YouTube video to turn OFF automatically: <https://youtu.be/OMu7kAi7coI>

The ozone output  $O_3$  is there to feed a low wattage extractor fan, although it can be used to feed another low wattage lamp, the feed being taken from the pcb spade connector and the neutral from the light neutral. Only available if  $O_3$  illuminates when pressed.

### **Sauna Stones**

Before loading stones into a new sauna heater: switch the heater on for a few minutes to allow any packing grease to burn off the elements. Open windows and doors to allow acrid smoke to dissipate.

After the elements have cooled. Load 10-20 kg of stones into the stone nest, starting with narrow ones between the elements and elements and casing. Cover all the elements. There may be spare stones that may be added as the stones settle.

**Attention:** Sauna stones must be of the finest quality because temperatures within the sauna heater are extremely high.

Stones not able to withstand the stresses described above, can easily break or crumble and damage the elements, especially when water is thrown on them.

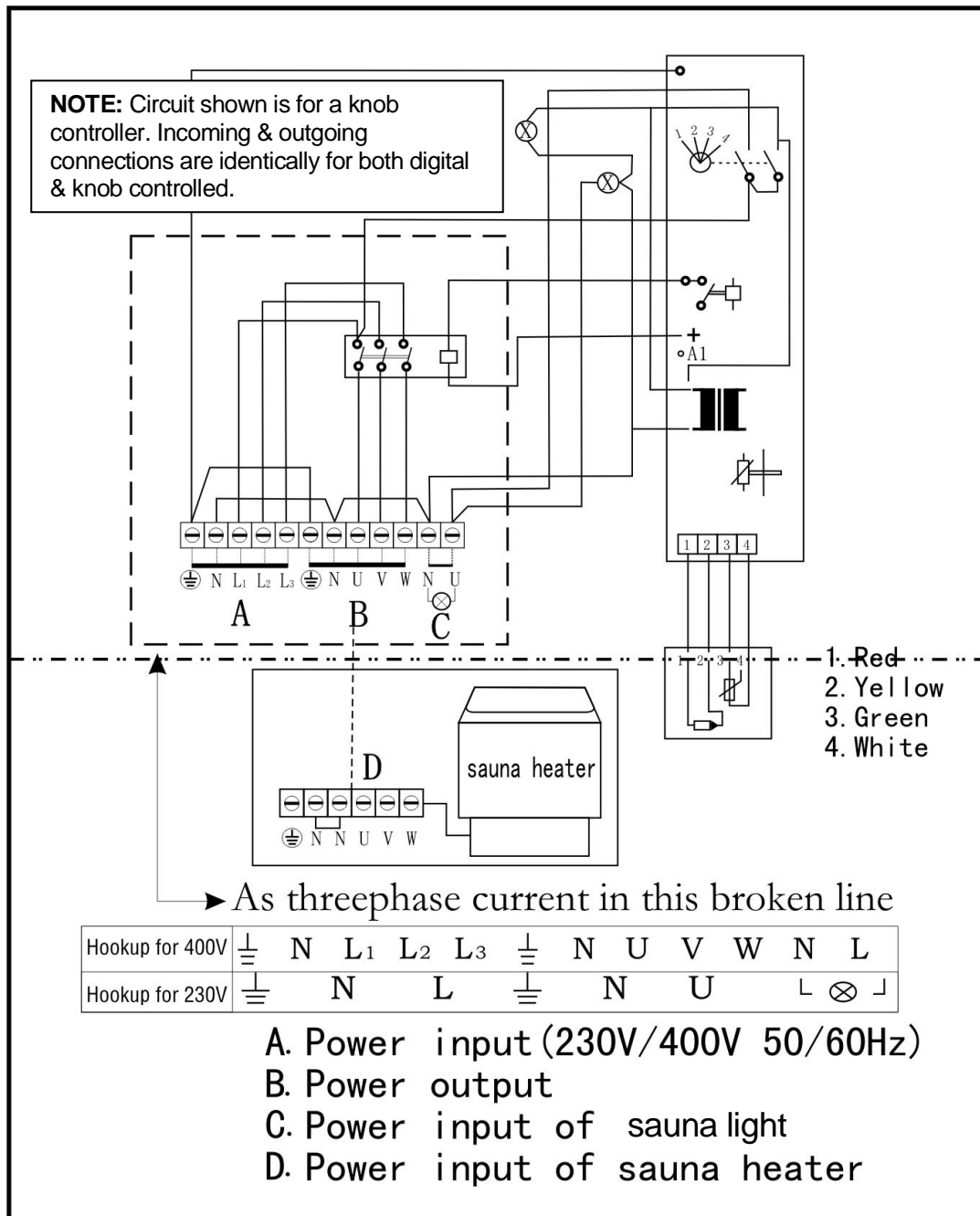
Only small amounts of water should be added to the hot stones to protect the person and the elements from thermal shock.

### **WARNING**

1. Electric shock hazard: there are no owner serviceable parts within the sauna heater and its controls. All installations should comply with BS7671 and be installed by a competent person.
2. Sauna bathing should be limited to 30 minutes, depending on the individual. Bathing too long may cause increased heart rate, dizziness, feeling of weakness.
3. Sauna bathing is not suitable for individuals who:
  - a) are pregnant
  - b) have heart disease
  - c) have high blood pressure
  - d) have circulatory system problems
  - e) have diabetes
  - f) are not feeling well
  - g) are on medication
  - h) have imbibed alcohol.
4. Children must be under the supervision of an adult.
5. Scalding risk: Do not touch the heater or stones. If you accidentally burn your skin, submerge the affected areas in cold water immediately and seek medical advice.

For more comprehensive advice: <https://sites.google.com/site/aasaunasshoppingtrolley/sauna-users-guide>

# Attached Diagram.



When connecting to single-phase supplies: Connect incoming phase wire to **L<sub>2</sub>**  
 Connect outgoing phase wire to **V**