

# CON4 型數顯控制說明

## 一、打開電源（見圖 1-1）：

- 1、桑拿燈開關鍵：用於控制桑拿燈的開與關，桑拿燈開關指示燈指示桑拿燈的開與關。例如：桑拿燈開關指示燈“亮”時，桑拿燈為開啓狀態，反之為關閉狀態。
  - 2、桑拿爐電源開關鍵：用於控制桑拿爐的開與關。
- 注：每次開機時控制器自動進入 A 模式狀態，桑拿爐的運行時間為最後一次設定的時間。

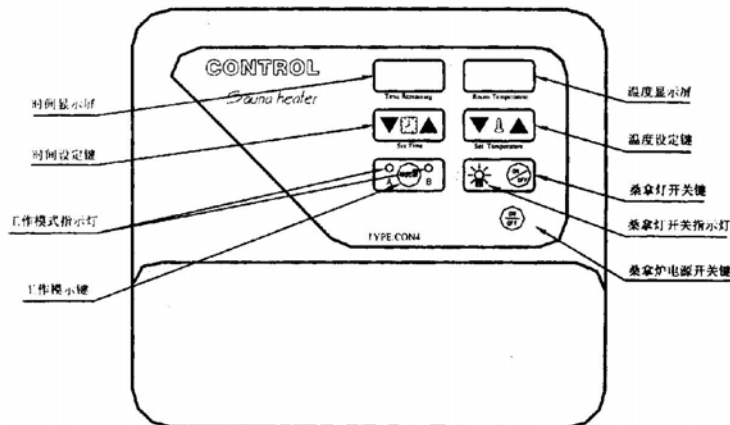


圖 1-1 CON4 數顯控制器

## 二、設置（見圖 1-1）：

- 1、工作模式鍵：用於轉換工作模式 A 與 B。  
A 工作模式：當“A”指示燈亮時為“A”工作模式，工作時間（桑拿爐工作）為 4 小時，待機時間（僅桑拿爐不工作）最長可達 8 小時。即以時間顯示 4：00 為分界線，4：00~0：00 為桑拿爐工作時間；12：00~4：00 為待機時間，桑拿爐不工作。例如：不想馬上打開桑拿爐（推遲 2 小時自動開機）可將時間設定為 6：00 即可。  
B 工作模式：當“B”指示燈亮時為“B”工作模式，桑拿爐直接進入正常工作狀態（沒有待機時間），桑拿爐工作時間可长达 12 小時。  
注：1)、A、B 兩種工作模式的時間調節範圍均為 1：00~12：00。  
2)、A 工作模式的待機設置，不能低於工作時間 4：00，否則不與設置待機時間。  
3)、顯示的時間以倒計時顯示。
- 2、時間設定鍵：  
按時間設定鍵（向上“▲”鍵或向下“▼”鍵調節工作時間）進行設定，調節好時間約 3 秒後，從設定時間開始倒計時，顯示為 0：00 時自動關機。
- 3、溫度設定鍵：

按溫度設定鍵(向上“▲”鍵或向下“▼”鍵進行調節設定溫度),溫度顯示屏顯示設定溫度;調節好溫度約3秒後,溫度顯示屏顯示現場溫度,設定溫度已保存。桑拿房內溫度大於設定溫度時桑拿爐停止加熱;低於設定溫度時,桑拿爐開始加熱。(溫度設定範圍50-100°C)  
注:以上設置在外接電源不斷電的情況下,具有記憶功能(保留最後一次設置的值)。

### 三、數顯控制的內部接線方法(見圖5-5):

注:溫度顯示屏顯示的數值為“-L”時,說明溫感器未連接或未連接好或低於13°C;可靠安裝或溫度高於13°C時即可正常顯示。

### 四、溫感器(參見圖2-2)

溫感器的推薦安裝位置參見圖4。溫感器配有3米長的耐熱電線(170°C, 2x 0.5mm),可以用普通低壓電線把它延伸至桑拿室外。溫感器的接線和安裝方法詳見圖2-2、3、5-5。

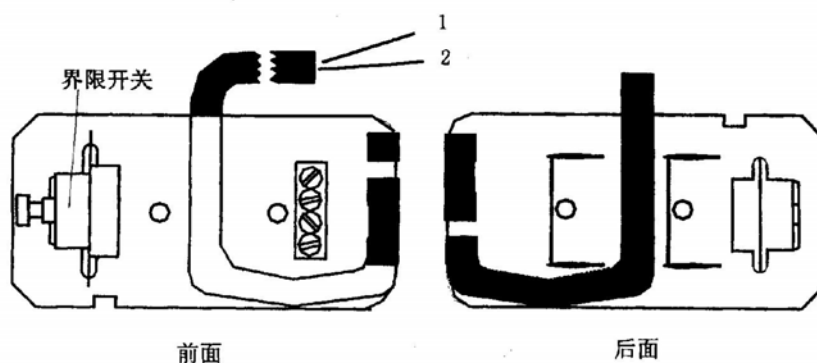


圖 2-2 溫感器

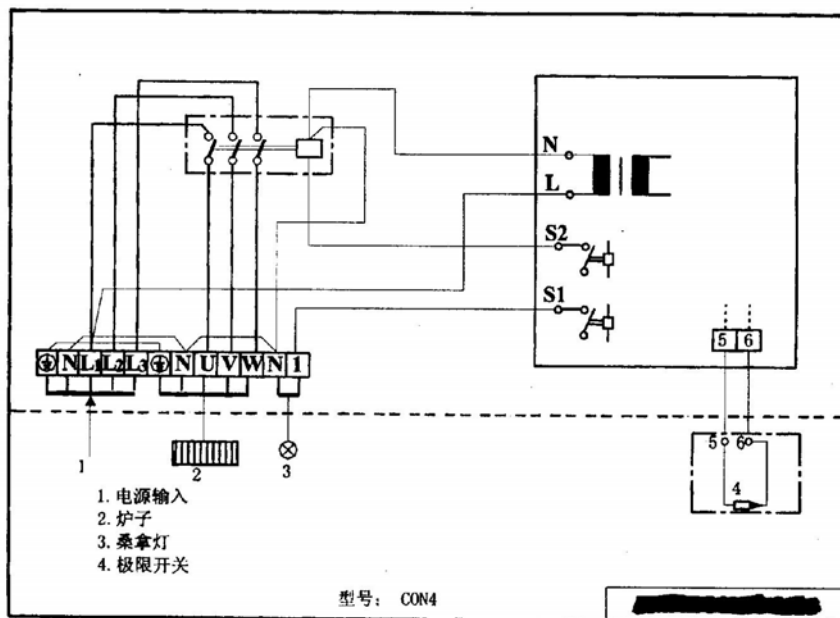


圖 5-5 控制器接線圖

## CON4 digital display controller instruction

### I. Open power (see 1- 1)

- 1、Sauna light switch key which is used for controlling open and close the sauna tight, sauna light. Switch indicator indicates open and close of sauna light. e. g. When the sauna light switch indicator is lighting, sauna light remains state of open; per contra, it remains closed.
- 2、The heater power switch key, which is used for controlling open and close of heater.

Remark: Each time open the heater, the controller automatically enter into A mode state, the operation time in heater show the last setting time.

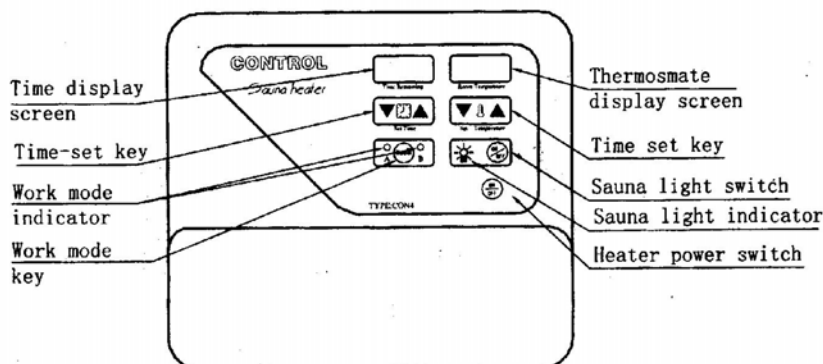


CHART 1-1 CON4 DIGITAL DISPLAY CONTROLLER

### II. Set (see chart 1-1)

#### 1、Work mode :

A work mode: when indicator light "A" is light, it is work mode A, running time (Heater running) is four hours, maximum preset time (Only when the heater is not working) is eight hours. e. g. The time indicates 4:00 as a divided line, the heater's running time is 4:00-0:00 ;preset time is 12:00-4:00 and heater doesn't work. If you don't want to start the heater at once (delay 2 hours to automatically start heater). The time is set at 6:00.

B work mode: when indicator light "B" is lighting, the heater straightly enter into normal work state (no preset time ), the operation time is always 1-12 hours.

Remark : 1) The time of work mode A and B range from 1:00 to 12:00.

2) Preset time of work mode A can't below work time 4:00, otherwise it don't allow presetting time.

3) The time is indicated count down.

#### 2、Set time key:

Press the set time key to regulate time (press upward key "▲" or downward key "▼"), three seconds after adjusting time, it automatically start as screen show 0:00.

#### 3、Set temperature key:

Press the set temperature key (To press upward "▲" or down ward "▼" key regulate temperature), temperature display screen show set-temperature; after temperature three seconds, temperature display screen show present temperature, the set-temperature is filed. The heater stop heating when temperature in sauna room is above the set-temperature; on the other hand, the heater begin heating. (rage of set-temperature is 50-100<sup>0</sup>C).

Remark: The above set has function of remembering the last set number as long as out- electric-power

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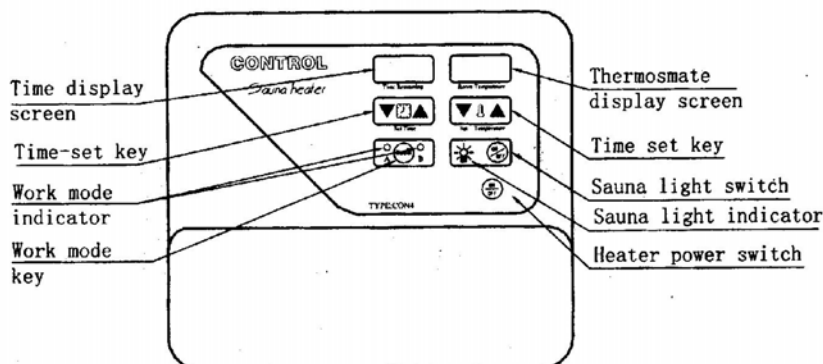


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don't power on.

### III. The connection of control wires (see chart 5-5).

Remark: Temperature display screen indicate "L", which means thermostat sensor not connect well or the temperature is below 13°C; It shows normally if reliable installation or temperature is above 13°C.

### IV. Sensor Unit (refer to chart 2.2).

The recommended Location of sensor unit is shown in chart 4. 3 meter length of heat-resistant cable (170°C 2×0.5 mm) provided, this may be extended outside the sauna room with common low voltage cable. Connection and installation for sensor are shown in chart 2-2、3、5-5.

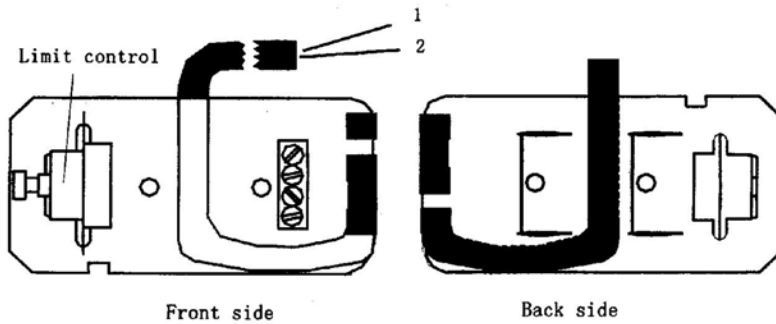


CHART 2-2 THERMOSTAT SENSOR

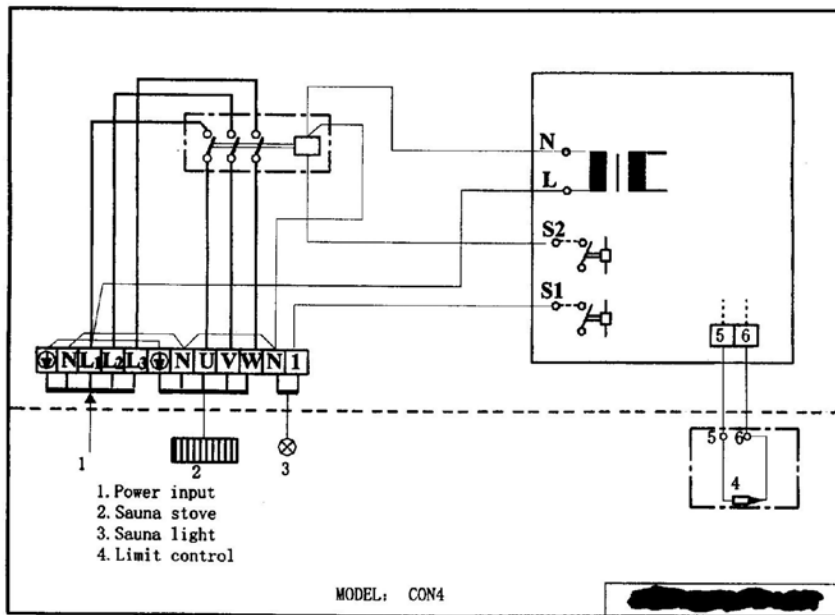


CHART 5-5 CONTROL CIRCUIT CHART