

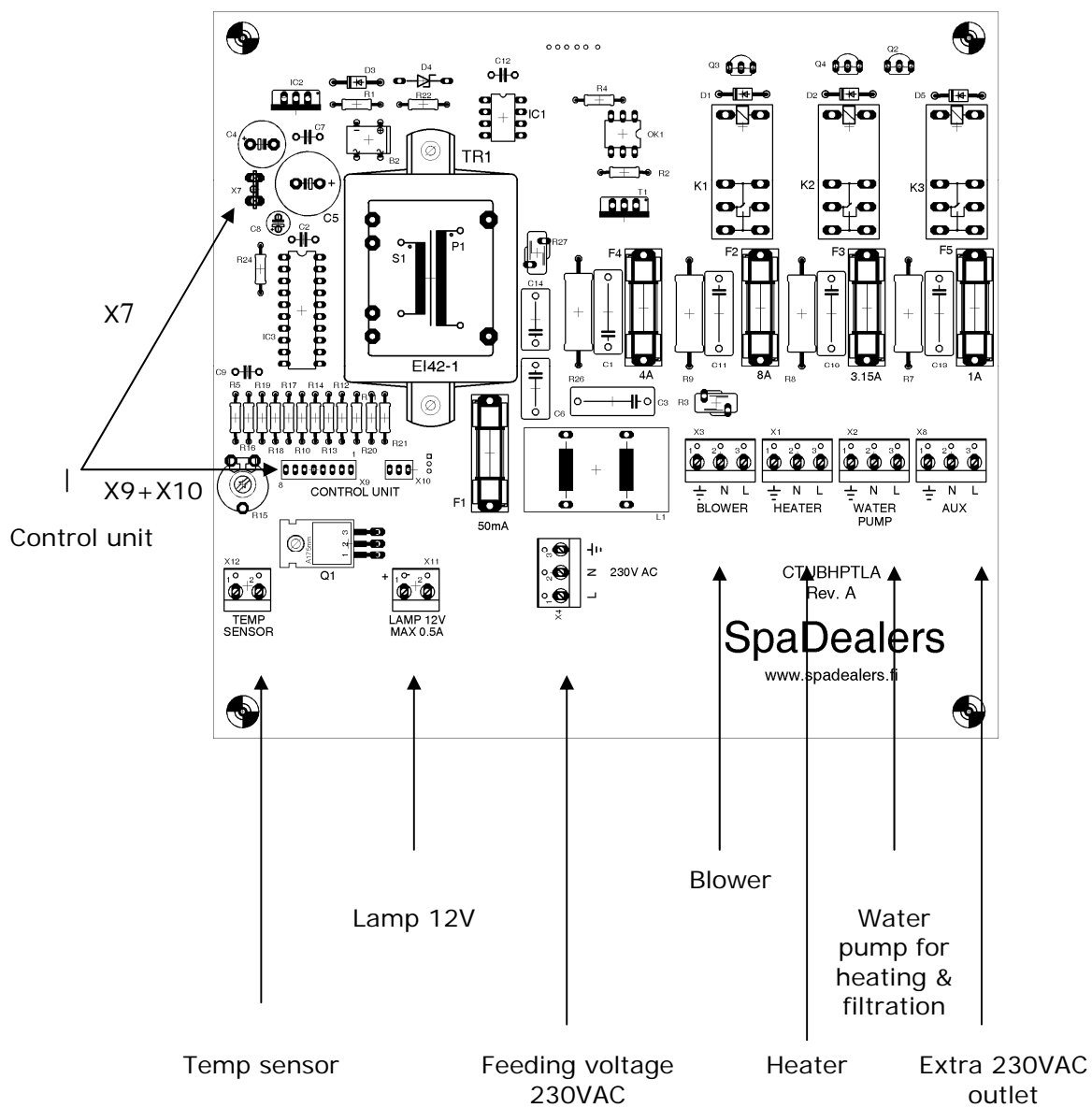
# USERS' MANUAL FOR AUTOMATIC CONTROL MODEL CTUBHPTLA

SpaDealers

[www.spadealers.fi](http://www.spadealers.fi)

## Connection:

Connect the automatic control according to the picture. At each connection point you will find a mark showing what is supposed to be connected to the point.





The automatic control must be connected to a 16A fuse equipped with an earth connection.





NOTE! Automatic control connection must be made by an authorised electrician; risk of electrocution if the connection is not made properly.

### **Functional description:**

#### 1. Temperature

The automatic control is always on when the power is connected. The automatic control continuously checks the temperature of the water with the help of the temperature meter and maintains the water temperature according to the hot tub settings.

When power is connected the temperature is automatically set at 37 °. To select another temperature, press the buttons  and  at the same time until the diode for the chosen temperature starts to flash.

To change the temperature, press the  or  button. When the correct diode flashes (see picture), press both the button for lighting  and for the water pump  until the diode stops flashing in order to save the selected temperature in the memory.

If the buttons are pressed too long, the lighting might come on or the pump might start, but the temperature is saved in the memory so you can just turn off the light or the pump again.

NOTE! If the power connection to the automatic control is cut off, the temperature is automatically reset on 37 °.



The temperature sensor is mounted in the hole underneath the skimmer



The picture shows what the different buttons control as well as which temperature their light diode indicator corresponds to (temperature in brackets)

## 2. Lighting 📡

Use the lamp control button 📡 in order to switch on or off the lighting.



NOTE! The lighting will automatically switch off after three hours.

## 3. The air pump 📡

Use the button 📡, to start or stop the air pump for the bubble system. The air pump has two different functions; pulsing (massage) and continuous work. Every second time the button is pressed one of these functions is chosen. When pressing the button once, the pump either starts or stops.



### Massage:

When the massage function is activated, first the pump works on full effect for 3 seconds, stops for 0,5 seconds, then it works on full effect for 3 seconds, etc. The intervals between

the pulses in the pump can be changed using the buttons  or  when the function is activated. The settings are saved. Next time the massage function is activated, the pause is the same length as set earlier.

#### Continuous work:


The pump will work at approximately 50% of maximum effect the first time the continuous work function is activated after the automatic control has been connected.

Use the  or  button in order to change the speed of the pump when it is working. When the pump stops and starts again, it will have the same effect as when it was stopped.

If the power connection is cut off to the control automatic, the effect of the pump is automatically reset to approximately 50% of maximum speed.

NOTE! When the air pump has been on for 20 minutes it will stop automatically.

#### 4. The water pump

Use the  button in order to start or stop the water pump (filtration function). When pressing the button once, the pump either starts or stops.

The water pump will also start automatically when the heating element is connected to ensure that the heating element is not overheated.

NOTE! The water pump is automatically on for two hours at a time, two times per day, in order to filter the water. During this time, the pump cannot be manually controlled.

#### Technical data:

input voltage	230V AC
Power use	15mA (with all outlets disconnected)

Maximum load  
for outlets,

Lighting	12VDC 0.5A
Air pump	230VAC 4A
Heating stove	230VAC 8A
Water pump	230VAC 4A
Extra outlet	230VAC 1A