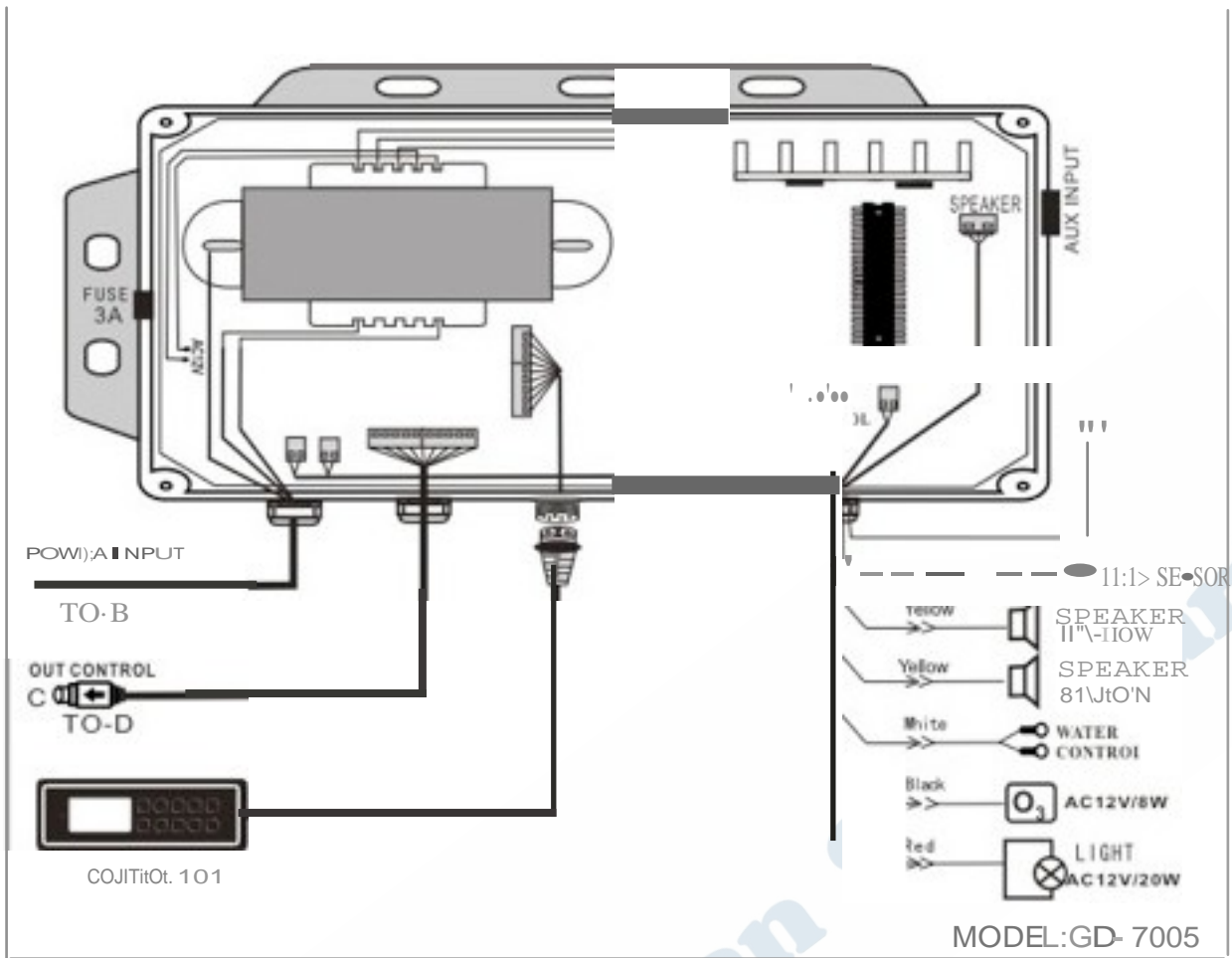
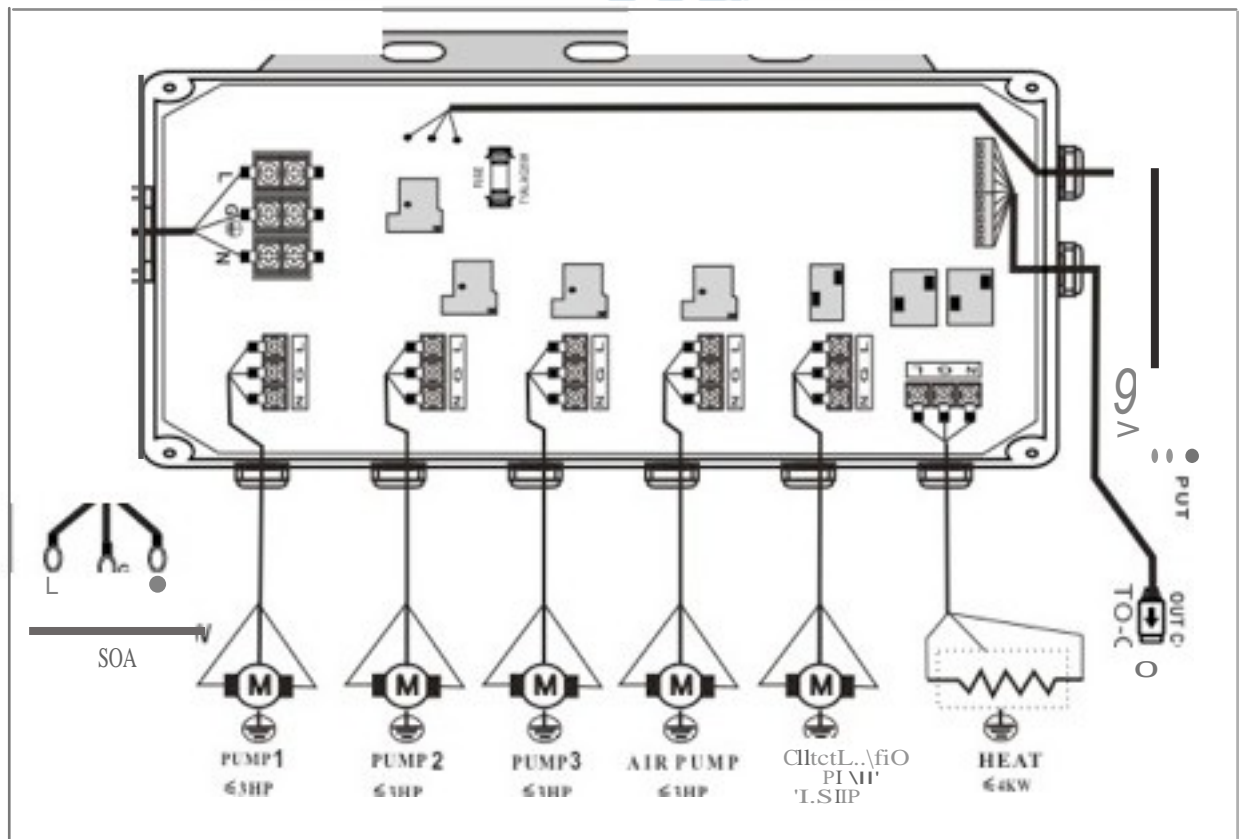


CIRCUIT BOARD DIAQRAM

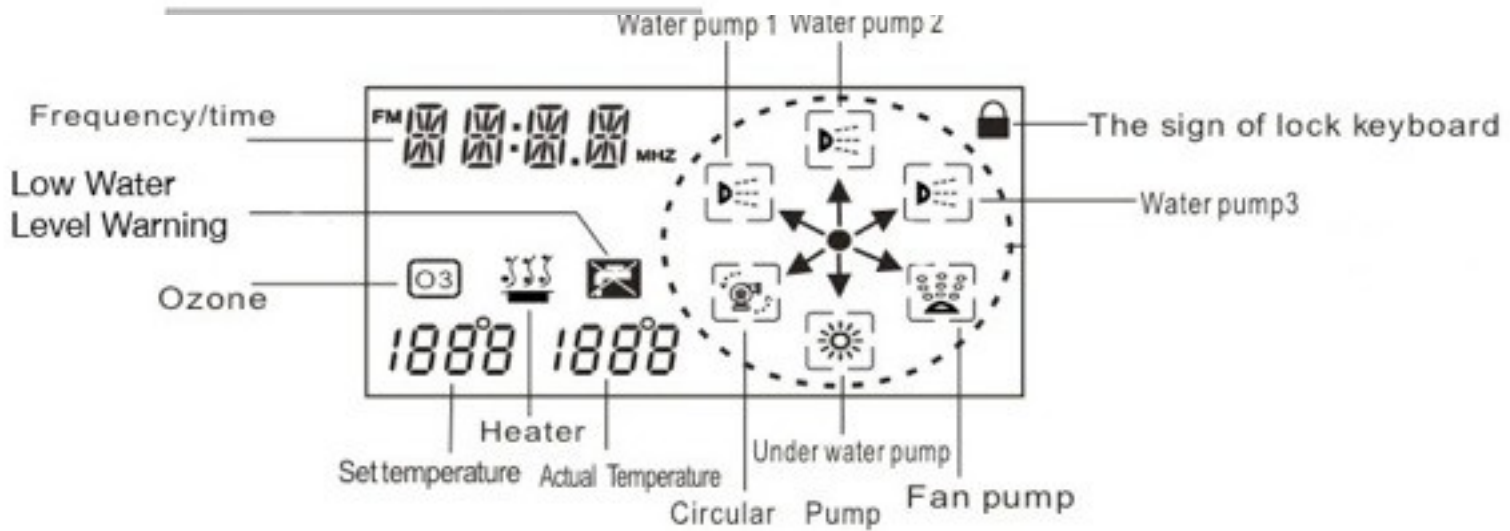
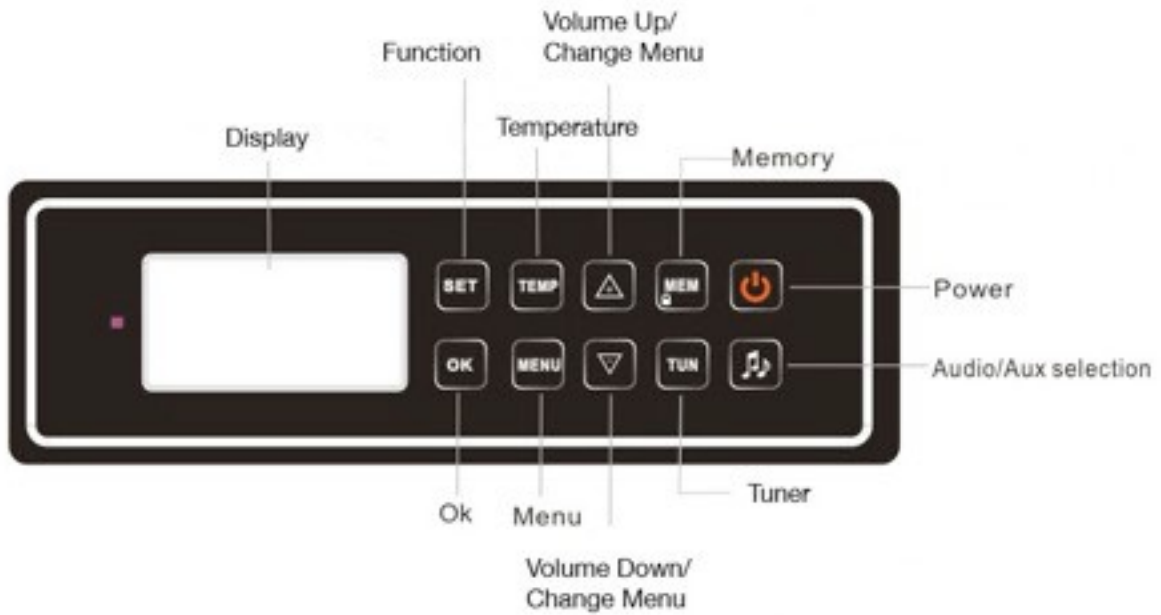


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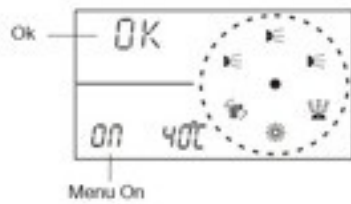


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CONTROL PANEL

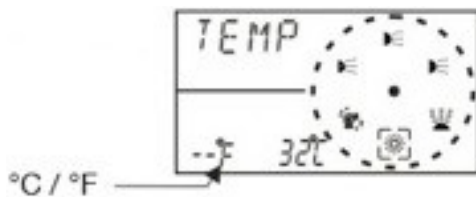


1. Menu Mode



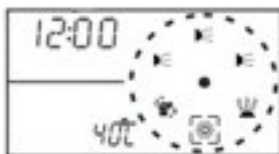
Entering into the Menu allows you to adjust many of the spa's settings. These settings include the Time, Circulation Period, Sleep Times etc. To enter into Menu Mode press **MENU**. Press either **DOWN** or **UP** until 'ON' is displayed. Then press the **OK** button to enter Menu Mode. Then, scroll through the menu items by pressing **MENU**.

1. SET UNIT OF TEMPERATURE



You spa can display the temperature in either °Celsius or °Fahrenheit. Press **DOWN** or **UP** to select you preferred unit and then press **OK** to confirm.

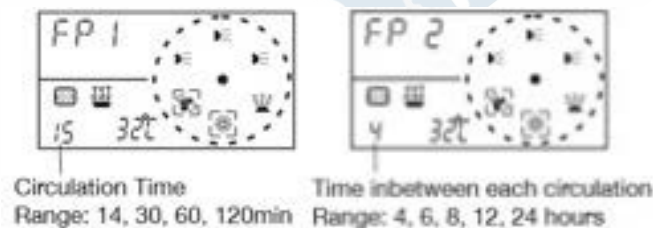
2. SETTING THE TIME



Press **SET** to set the minute/hour. Press **DOWN** or **UP** to adjust to the time. Once the time has been correctly set, press the **OK** to confirm.

3. SETTING THE FILTRATION SETTINGS

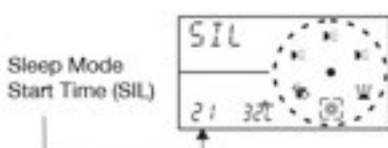
When the spa is maintaining a constant temperature, the circulation system will automatically turn on in order to filter the water in the tub and keep the water clean. The spa will circulate for a set period of time (FP1), and will circulate based on a frequency set by the user (FP2).



To set FP1 (Filtration Time), use the +/- buttons and then press **OK**. The spa will now ask you to confirm the time in between each filtration (FP2). Use the +/- buttons to adjust the time and then press the **OK** button.

4. SLEEP MODE

To save electricity, a sleep mode is included in the Hot Tub. Whilst the spa is in sleep mode it will consume less electricity and will turn off all but the spas vital features. You must select a start time (SIL), and an end time (SILD) for the sleep mode.



Press the +/- buttons to select a starting hour (Range - 1 - 24) Then press OK to confirm. 'SILD' should now be displayed on the screen. You are now ready to enter the end time. Again, press the +/- buttons to enter an end time. Press OK once you've finished.

5. WINTER MODE

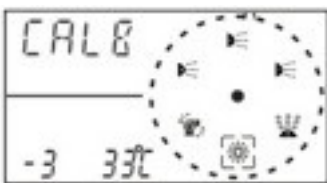


Freezing water temperatures can cause damage to equipment in the spa. The spa includes a winter mode to prevent this. When water temperature drop below 5°C the heater will turn itself on to raise the temperature of the water to 8°C.

To turn on the winter mode, use the +/- buttons until the control panel displays 'ON'. Press OK to continue.

6. CORRECTING TEMPERATURE ERRORS

From time to time the actual temperature in the spa may differ from the displayed temperature. For example, If the temperature displays 33°C when it is actually only 30°C, then it is possible to calibrate the thermometers that monitor temperatures in the spa.



Use the +/- buttons to select the difference between the actual and displayed temperatures. Press OK to confirm and continue.

7. RESTORING FACTORY SETTINGS






To restore the spa to factory settings, use the +/- buttons until the panel displays 'ON'. Press OK to confirm.

8. EXITING THE MENU

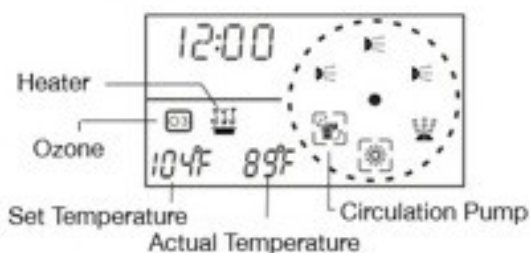
To exit the menu, simply press the OK button.

2. Heating Your Spa

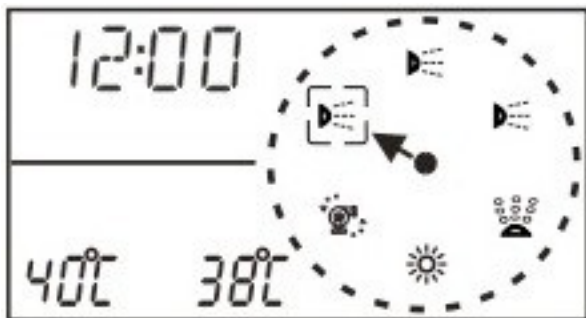
To set the temperature of the spa, press the  button. Use  and  to adjust the 'Set Temperature'.


When the 'Set Temperature' is higher than the 'Actual Temperature', the spa will turn on the Circulation Pump. The heater will then turn itself on after 30 seconds.


When the 'Set Temperature' is lower than the 'Actual Temperature', the spa will turn off the heater, the circulation pump and ozonator will automatically turn on. The spa will automatically enter 'Filter Mode'.



Turning on Jets, Pumps, and Lighting



To turn on a feature in the Hot Tub, simply press the  to move the arrow, then press OK to turn your selected feature on or off. Page 11 of this manual shows what all the icons above represent.

Hold  for 2/3 seconds and all of the spa features will turn on gradually.
Please Note:

- The Fan Pump will automatically turn itself off after 30 minutes.
- The water pump will not initiate if the water level is too low.
- Pump 3 is the circulation pump and will automatically operate when the heater is in operation or when the tub is in Filtration mode. You can not manually turn on Pump 3.




Ozonator

The Ozonator inside your spa produces a natural chemical found in water. Ozone reduces the need for chemicals and sanitisers. The ozonator turns itself on whenever the circulation pump is in action.

Low Temperature Protection


When the temperature of the spa drops below 5°C, the spa will turn on both the circulation pump and the heater until the temperature in the water rises above 8°C.

Locking the Keypad




To lock the control panel, simply hold the  button for 3 seconds until the panel displays the  symbol. To unlock the keypad, simply hold the  button for an additional 3 seconds until 'UNLOCK' is displayed on the panel.




Radio Operation

Turning the Radio On



To turn on the radio simply press the  button. When  is pressed, the volume will automatically rise and the last used radio station will begin to play.

Selecting Stations / Tuning



To scan for a radio station, hold the  button for 2 seconds. The screen will now display 'TUN'. Press  or  and the radio will scan through all channels until it finds a radio station. If you're in an area of poor signal quality, it is recommended that you tune the radio manually.

To tune manually, simply press  and then use the  and  keys to select a frequency.

Memory

To save a radio station to memory, immediately after selecting the radio station, press . Each time you press  the spa will increase the Memory Channel.

There are a total of 10 memory channels.

To recall a channel of memory, simply press the  button. Each time you press the  button the Memory channel will increase.

Adjusting the Volume

Whilst the spa is in radio mode, press the  and  buttons to adjust the volume.

Listening to External Audio Devices (Inc DVD Player)


To listen to an Auxiliary Audio Device, press the  button until AUX is displayed on the panel.

Ensure that an auxiliary device is connected up to the spas control panel.

Thermometer button flashes when the Heat Button is pressed	- Not enough pressure to the circulation pump	- Operate the circulation pump (pump 3), for a few minutes before turning on the heater.
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Warning / Protection Codes

A number of warning codes could be displayed on the spa.

Warning Code	Possible Cause(s)	Corrective Action(s)
	Lack of Water in the Spa. The spa will not heat, nor will water pumps operate when the water level is too low.	Top up the level of water.
HEAT	Temperature of water is higher than 45 °C and potentially harmful.	The spa will automatically turn off the heater.
ICE	Water temperature is below 5°C and potentially harmful to equipment.	It is recommended that you turn on the Low Temperature Protection. If this is already turned on the then the spa will begin to heat up the water automatically.
CLDF	Problem with the Circulation Pump	Consult DanZ Home.

