

Domestic Spa Control Panel

Important Note

Please make sure on commissioning that ALL connections are tightened and overloads set as the pump size used.

Dimensions	2
Electrical	3
Electrical Supply	3
Electrical Connections	3
Operational Control	4
Stainless Steel Spa Button with Blower Symbol	5
Stainless Steel Spa Button with Pump Symbol	5
Stainless Steel Spa Button with Light Symbol	5
Interface Box for use with Spa Buttons	5
3 Button Oval Touchpad with Pump, Blower and Light Symbols	6
3 Button Round Touchpad with Blower, Light and Pump Symbols	6
2 Button Round Touchpad with Pump and Blower Symbols	6
Spa Remote Control	6
Temperature and Filter Cycle Control	7
Purge Timer	7
To Program	8
Set the Temperature	8
Filter Operations	8
Testing/Completing the Installation	9
Testing	9
Priming The Pump	9
Checking the Filtration Operation	9
Checking the Heater Operation	10
Checking the Jet Equipment	10
Commissioning/Handover Checklist	11
Safety Tips	12
Additional Information	13

Height: 49cm including control socket and plug

Width: 32cm

Depth: 17cm

The door opens to the left.

Electrical Supply

The supply to the Spa Control Panel and equipment connected to it must be installed by a qualified electrician with certification provided. Failure to comply with safety regulations may void any warranty supplied by Golden Coast.

The control panel requires a maximum supply of 40 amps @ 230V AC protected by a 30Ma RCD to the latest IEE Regulations BS 7671 – 2008 and the latest amendments. This is based on 2 x 2kW pumps, 1 x 1.5kW blower and a 3kW heater.

Electrical Connections

The bottom terminal rail is the only installer connections. No devices should be removed, altered or connected to in the panel.

L N E:	-	Supply
PURGE:	1 2 3 4 5	If fitted
L L:	7 8	Pressure Switch
L L:	9 10	Hi Limit
L N:	11 12	Filter Pump
L N:	13 14	Boost
L N:	15 16	Air
L N:	17 18	Light
E L N:	-	Heater

There must be either a Pressure or Flow switch installed to protect the heater and other components. If required a high limit stat can also be used, if not the terminals should be linked out.

A purge timer is available as an additional item if required and connects as detailed above.

There are various options on how to operate the spa panel:

- A three button pad with blower, boost and light switches (two types are available).
- Any combination of individual buttons for each of the three functions.
- Radio remote control (the operational range depends on the site conditions).

For further information on controls, please contact Golden Coast on 01271 378100.

The control system has a maximum run time of 15 minutes. Items in use can be switched off at any time and after 15 minutes has elapsed, the required buttons can be switched on again.

Control buttons are supplied with a fixed length cable and a din plug to connect into the socket on the bottom of the Spa Control Panel. Extension leads can be supplied to most lengths. Individual buttons are hard wired to an interface box which will have a cable fitted with a din plug for connection to the Spa Control Panel.



Stainless Steel Spa Button with Blower Symbol

Product code: 25 00 796 350



Stainless Steel Spa Button with Light Symbol

Product code: 25 00 796 360



Stainless Steel Spa Button with Pump Symbol

Product code: 25 00 796 340



Interface Box for use with Spa Buttons

Product code: 25 00 796 400



3 Button Oval Touchpad with Pump, Blower and Light Symbols

Product code: 25 86 796 085



2 Button Round Touchpad with Pump and Blower Symbols

Product code: 25 86 796 055



3 Button Round Touchpad with Blower, Light and Pump Symbols

Product code: 25 86 796 065



Spa Remote Control

Product code: 25 86 796 095





The Spa Control Panel is fitted with a controller for temperature and filter cycle. The probe for temperature detection is supplied with a standard cable length of 1.3 meters and must be fitted into the heater pocket. If an extension beyond the 1.3 meters is required this must be ordered, as normal cable is not suitable.

The temperature probe must be connected to the controller for correct operation and safety.

Purge Timer

This is available as an optional extra.

Set the Temperature

- Push .
- SP1 is displayed.
- Push  or  to set the temperature.
- Press  when complete.

Filter Operations

Refer to the time switch instruction manual for filter time settings.

Testing

- A 24 hour flood test is recommended prior to finishing the spa surround.
- Whilst filling the spa or balance tank (if fitted), via a break tank, ensure the water is treated as recommended. Ensure all valves are open; prime and bleed pumps as required prior to running.
- Check all plumbing joints from the spa to the equipment (and balance tanks).
- Leave the spa to stand for several hours. Check the water level remains stable. If the level drops and it is due to a leak, locate and repair. Repeat the process until the level remains stable.
- Run up the equipment, checking the operation of each component via the touch pad.

Priming The Pump

The pump must have a coarse strainer and if the equipment pack is above the water level* it may need priming as follows:

- Remove the lid and fill with water to above the basket rim.
- Re-fit the lid and ensure the rubber 'O' ring is seated correctly, hand tighten only.

* The balance tank (if fitted) must be at the same level or below the base of the overflow channel, it cannot be above.

Checking the Filtration Operation

- Switch on the power to the control box.
- The filter pump should start. Check the filter pump is running then check if there is water flow in to the spa. If there is no movement, refer to the pump priming instructions above.

Note: the filter pumps will only operate if the water level in the balance tank is at the correct level (if fitted)

Checking the Heater Operation

- Set the temperature above the actual water temperature. If there is sufficient water flow the spa heater will come on.
- Slowly close the suction valve to check that the flow switch shuts off the heater when the flow is restricted.

Checking the Jet Equipment

- Depress the jet button on the spa to activate the hydrotherapy jets.
- Check the jets for a flow of water. If there is no flow, refer to pump priming.
- Ensure the jet positions can be altered by hand.
- Check that any rotating jets can spin freely.
- Unscrew the air controllers on the side of the spa to ensure air is induced into the jet system.
- Check the air blower operation, depress button on the spa.
- Ensure air is coming up from all areas of the spa where holes have been drilled (i.e. seat and floor).
- Leave the spa running for approximately 1 hour.
- Allow the spa to heat up to the operation temperature and leave on filter only.
- Check the plumbing joints again.

Demonstrate to the customer how to start up and run the spa, using this manual to explain the following:

- Set up and ensure correct operation of the thermostat.
- Ensure all functions on the control panel are operational.
- Check valve operation.
- Check and test the electrical safety/integrity of the equipment.
- Check the filter for correct operation and note gauge pressure.
- Check the general operation of the spa.
- Check the jet operation.
- Ensure that the spa side touch pad controls function correctly.
- Check the air blower.
- Demonstrate the testing, monitoring and treatment of the spa water including how to maintain the correct pH level of between 7.4 - 7.6 and the correct Chlorine or Bromine level.
- Ensure the customer fully understands the operation of the spa and its associated equipment.
- Ensure the customer is satisfied with the product, and accepts that installation and training have been completed.

When they are happy that this has been completed, ask them to confirm this by signing a dated statement to that effect.

When using water treatment products, read the labels carefully and follow the safety and storage directions precisely. Though water treatment products protect you and your spa, they may be hazardous in concentrated form. Please observe the following for safe handling:

- Always measure and apply water treatment products according to instructions. Never overdose.
- Do not add water to water treatment products; always add them to water.
- Never mix water treatment products together, dangerous reactions can occur.
- Complete dosing of one water treatment product before commencing on the next.
- Handle all water treatment products carefully. Store in a cool, dry, secure and ventilated place.
- Always keep water treatment products in their original containers replacing caps when not in use.
- Water treatment products must always be kept out of children's reach and handled by a responsible person.
- Do not inhale fumes or let water treatment products come into contact with eyes, nose or mouth. In the event of contact or swallowing, follow the emergency advice on the product label, and seek immediate medical advice.
- Avoid water treatment products spilling onto surrounding surfaces. Clean up any spillages carefully and dispose of in a safe manner. Do not use vacuum cleaners to clean spills.
- Never smoke whilst handling water treatment products as some may be inflammable.
- Wash hands immediately after handling water treatment products.

If you would like to receive further information on any of our products, please contact us on +44 (0) 1271 378100, email swimmer@goldenc.com or visit our website: www.goldenc.com

We will be pleased to send you the information requested.

Golden Coast Ltd | Fishleigh Road | Roundswell Commercial Park West | Barnstaple | Devon | EX31 3UA

Phone: +44 (0) 1271 378100 | Fax: +44 (0) 1271 371699 | Email: swimmer@goldenc.com | Web: www.goldenc.co

As a quality assured company we reserve the right to alter and improve the specification of products as deemed necessary. Registered in England and Wales 2420044 VAT Reg. No 540 4110 02

