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**DAVEY**  
*SpaPOWER*

DEPEND ON  
**DAVEY**

WATER PRODUCTS

# PREMIUM SPA CONTROLLERS



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## SP601 Spa Pool Controller



### Benefits

The Davey SpaPower 601 is a cost effective unit offering good functionality. It has been cleverly designed to run a maximum of a two speed pump, variable speed blower, circulation pump and ozonator, plus a single or variable coloured light.

Supplied with an oval poolside touchpad, the LED display is easy to read and simple to use, taking the headache out of spa pool operation.

## SP800 Spa Pool Controller



### Benefits

The Davey SpaPower 800 offers additional features over the SP601.

Supplied as multiphase units the SP800 can operate using single phase power (220/240V) or three phase power (380/415V) and can run a maximum of THREE pumps (single or two speed), plus blower/s, circulation pump and ozonator, single/variable coloured lights or the Davey SpaPower chain lighting system. Up to 60 individual LED lights can be run from this unit for a spectacular display of colour in and around your spa pool.

Supplied with a multi-lingual LCD poolside touchpad, the SP800 offers full programmability at the users fingertips. Oval shaped touchpad supplied as standard.

## SP1200 Spa Pool Controller



### Benefits

The Davey SpaPower 1200 is the most capable in the range with the functionality to manage increased demands required for large spa pools and swim spas.

Capable of running up to FIVE pumps (single or two speed), plus blower/s, circulation pump and ozonator, single/variable coloured lights or the Davey SpaPower chain lighting system. Up to 60 individual LED lights can be run from this unit for a spectacular display of colour in and around your spa pool.

Multiphase supply is available for the SP1200-35 only - SP1200-45 & SP1200-60 models are single phase (220/240V).

Supplied with a multi-lingual LCD poolside touchpad, the SP1200 offers full programmability at the users fingertips. Oval shaped touchpad supplied as standard.

**Installation of these products must comply with local electrical standards. The product specification should be confirmed by a Davey Authorised Technician to ensure correct loading of the product and power supply available is not exceeded. Contact Davey Water Products for further information.**



## Features

- Available in 1.5kW, 2.0kW and 3.0kW heater options
- 10amp or 15/16\* amp versions available
- Capable of running:
  - o Single speed pump and additional pump/blower OR one two speed pump
  - o Variable speed blower
  - o Ozonator
  - o A 24hr circulation pump
  - o Davey SpaPower single or variable coloured light\*\*
- Oval LED touchpad supplied as standard (rectangular available on request)
- All models are available with optional time clock for setting specific operating times. Models designated with a "T" are time clock models
- Supplied with 50mm barrel unions
- AMP plug connectors
- In built optical water sensor (patented)
- Optional in pool temperature sensor is also available
- Safety thermal cutout
- \* 16 amp supply applicable to some markets
- \*\* SP601 controller is compatible with the Davey SpaPower Light or Main Light Only from the Davey range of chain lighting systems.

## Features

- The SP800 multiphase unit can operate using single phase (220/240V) or three phase (380/415V) power sources.
- The stylish LCD touchpad is multi-lingual and can be set to English, Dutch, French, German, Japanese, Portuguese or Spanish
- Available in 2.0kW and 3.0kW heater options
- Able to run up to THREE spa booster pumps depending on available power supply and customer specific spa pool requirements. This can be a combination of the following:
  - o Single speed pump and additional pump/blower OR one two speed pump
  - o Single speed blower OR additional single speed pump
  - o Variable speed blower
- In addition to the above, a 24hr circulation pump and spa ozonator can be installed
- Davey SpaPower single or variable coloured lights (x4) or Davey SpaPower daisy chain lighting system (up to 60 individual LED's can be installed)
- Separate 12V output
- Supplied with 50mm barrel unions
- In built optical water sensor (patented)
- Optional in-pool temperature sensor is also available
- Safety thermal cutout
- AMP plug connectors
- Full functionality from the LCD touchpad including temperature & maintenance reminders
- Oval touchpad supplied with three metre leads. Ten metre lead versions available on request.

## Features

- The SP1200 is available in 3.5kW, 4.5kW and 6.0kW heater options. The 3.5kW version is supplied as multiphase allowing the same controller to be used for both single phase (220/240V) and three phase (380/415V) applications
- The stylish LCD touchpad is multi-lingual and can be set to English, Dutch, French, German, Japanese, Portuguese or Spanish
- Able to run up to FIVE spa booster pumps depending on available power supply and customer specific spa pool requirements. This can be a combination of the following:
  - o Two single speed pumps OR one two speed pump
  - o An additional two single speed pumps OR one two speed pump
  - o Single speed blower OR additional single speed pump
  - o Variable speed blower
- In addition to the above, a 24hr circulation pump and spa ozonator can be installed
- Separate 12V output
- Up to four Davey SpaPower variable coloured LED lights OR up to 60 individual LED's from the Davey SpaPower chain lighting range
- Supplied with 50mm barrel unions
- Includes in-built optical water sensor (patented)
- In-pool temperature sensor supplied
- Safety thermal cutout
- Dual heater elements enable loadshedding of heater output
- Expander pack available as an extra to increase load up to 70 amps
- Oval LCD touchpad supplied as standard (rectangular available on request)
- AMP plug connectors
- Full functionality from the LCD touchpad including temperature & maintenance reminders
- Oval touchpad supplied with three metre leads. Ten metre lead versions available on request.



## PRODUCT SPECIFICATIONS

Models	SP601 Range (1.5kW, 2kW, 3kW)	SP800 Range (2kW, 3kW)	SP1200 Range (3.5kW, 4.5kW, 6kW)
Dimensions (controller)	220 x 360 x 95 (mm)	220 x 360 x 95 (mm)	310x 360 x 95 (mm)
Dimensions (touchpad oval)	112 x 49 x 4 (mm)	172 x 91 x 5 (mm)	172 x 91 x 5 (mm)
Dimensions (touchpad rect)	118 x 65 x 6 (mm)	172 x 91 x 5 (mm)	172 x 91 x 5 (mm)
Diameter - heater tube	50 (mm)	50 (mm)	50 (mm)
Heater pressure (max)	300kPa (31m)	300kPa (31m)	300kPa (31m)
Temperature control (max)	41.5°C	41.5°C	41.5°C
Temperature - thermal cutout	50°C	50°C	50°C
Temperature - max ambient	40°C	40°C	40°C
Optional low flow heater (patented)	✓	✓	✓
Mains Lead length	5 (m)	5 (m) (15A only)	N/A (hard-wired)
Touchpad lead length (m)	3	3	3
10m version available on request	✗	✓	✓
Light - Davey SpaPower range	1	4	4
Chain Lighting System	1 x main light only	Main light + 60 LED's	Main light + 60 LED's

**Note:** The Davey range of chain lighting systems (multiple LED's) are only compatible with the Davey SP800 & SP1200 spa controllers. Contact your Davey representative for further information on their patented low flow heater technology.

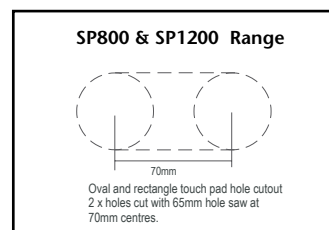
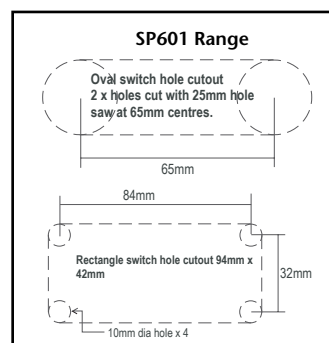
## AVAILABLE OUTLETS

Outlet	SP601	SP800	SP1200
Pump 1A - 10A (single or two speed)	✓	✓	✓
Pump 1B - 10A (single speed)	✗	✓	✓
Pump 2A - 10A (single or two speed)	✗	✗	✓
Pump 2B - 10A (single speed)	✗	✗	✓
Aux - 10A (extra pump or blower)	✓	✓	✓
SPVSB - 7.5A (SpaPower variable speed blower)	✓	✓	✓
Circ Pump - 2.5A (circulator pump)	✓	✓	✓
Ozone - 2A	✓	✓	✓

### Datasheet Disclaimer:

All details in this leaflet are accurate at the time of printing. This literature is not a complete guide to product usage. Further information is available from your Davey Customer Service Centre and from the relevant product Installation & Operating Instructions. This datasheet must be read in conjunction with the relevant Installation & Operating Instructions and all applicable statutory requirements. Product specifications may change without notice. © Davey is a registered trademark of Davey Water Products Pty Ltd. © Davey Water Products Pty Ltd 2009.

## RECOMMENDED TOUCHPAD CUTOUT



## SUPPLY REQUIREMENTS (MAX. LOADING)

Controller Range	Model	Maximum Load (Amps)	Heating (kW)
SP601	Q601AU-15	10	1.5
	Q601AU-15T	10	1.5
	Q601AU-20	15 / 16*	2.0
	Q601AU-20T	15 / 16*	2.0
	Q601AU-30	15 / 16*	3.0
	Q601AU-30T	15 / 16*	3.0
SP800	Q800AU-20	15 / 16*	2.0
	Q800-30	40**	3.0
SP1200	Q1200-35	40**	3.5
	Q1200-45	40**	4.5
	Q1200-60	40**	6.0

\* 16 amp supply applicable to some markets.

\*\* Load shed settings can be modified to accommodate lower load requirements.



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