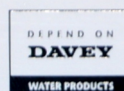


SPA POWER 800 SETUP GUIDE

SP800 Configuration:

Important: The spa will not work correctly if these settings are incorrect.

The SP800 controller has fourteen selectable options controlled by dip switches on the circuit board. It is important that the pool builder/installer understands these and sets them correctly according to the accessories connected to the SP800.



Controller Options	DIP Switch Letter	Controller Options
More than one touch pad fitted (Leave OFF) Controller model SP800	A	One touch pad fitted Controller Model SP1200
24hr circ pump NOT fitted	B	24hr circ pump fitted
Pump 1 - Two Speed	C	Pump 1 - Single Speed/VSD
Leave OFF	D	
Leave OFF	E	
Auxiliary NOT fitted	F	Auxiliary fitted
Ozone NOT fitted	G	Ozone fitted
	H	
Ozone OFF when spa in use	I	Ozone ON when spa in use
Load shedding switch J OFF	J	Load shedding switch J ON
Load shedding switch K OFF	K	Load shedding switch K ON
Load shedding switch L OFF	L	Load shedding switch L ON
12Vdc LED light (etc) NOT fitted	M	12Vdc LED light (etc) fitted
12Vdc Timeout DISABLED	N	12Vdc Timeout ENABLED
VSD control DISABLED	O	VSD control ENABLED
Stereo control DISABLED	P	Stereo control ENABLED

Load Shedding Setting (DIP switches J, K and L)				Load Shedding
Level	DIP Switch J OFF/ON	DIP Switch K OFF/ON	DIP Switch L OFF/ON	Number of significant loads turned on to cause the heater to turn off
Note: 0 = Less Loadshedding (For High Current Supply)				
0	OFF	OFF	OFF	-
1	OFF	OFF	ON	4
2	OFF	ON	OFF	3
3	OFF	ON	ON	2
4	ON	OFF	OFF	1
5	ON	OFF	ON	1
6	ON	ON	OFF	1
7	ON	ON	ON	1
Note: 7 = More Loadshedding (For Low Current Supply)				Note: "-" Means No Loadshedding

Load shedding is a feature of the controller which temporarily turns the heater off while other loads are turned on. This is done to limit the maximum current drawn from the supply and must be set up on the DIP switches to apply a suitable limit for each installation. Significant loads which cause loadshedding of the heater include pumps, blowers and auxiliary loads. Small loads such as two speed pumps on low speeds and 24Hr circulation pumps do not cause loadshedding.

IMPORTANT NOTE: IT IS THE POOL BUILDER AND INSTALLERS RESPONSIBILITY TO ENSURE THAT THE SP800 AND SUPPLY WIRING ARE NOT OVERLOADED. THIS CAN BE DONE BY ENABLING A SUITABLE LEVEL OF LOADSHEDDING IF NECESSARY. THE CURRENT DRAW OF EVERY POOL SHOULD BE CHECKED WITH THE MAXIMUM POSSIBLE LOADS TURNED ON.

Electrical:

- The spa pool must be connected to a suitable weather protected supply, equipped with a double pole isolating switch, of the correct rating and complying with local wiring regulations.
- When installing refer to your local wiring code. In particular refer to ECP2 and ECP25 (AUS/NZ) or ENI 60364-4-1 and ENI 60364-7-1 (EU).
- The system must be installed so that live parts are not accessible by a person in the pool.

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