

Compool®

Control Systems

By Pentair Water Pool and Spa™



Automate your poolscape to elevate your enjoyment



Put your poolscape on automatic

Compool® control systems are to pools, spas and related poolscape accessories what an automatic sprinkler system is to lawns and landscapes – the easier, more effective way to keep them in top shape without spending your precious leisure time.

With Compool, you set equipment schedules from a central control panel following simple push-button instructions. Change them as you need or want, depending on use habits or time of year. Or, switch to manual mode to operate any equipment any time you want. All your equipment runs for the right length of time at the times you choose, so your pool and spa are kept clean, comfortable and ready to enjoy. You'll also extend equipment life by running it the minimum amount of time required to get the job done. Energy savings are also possible by taking advantage of off-peak electrical rates.

Plus, with optional remote control devices you can operate the system while relaxing in your spa or from your favorite lounge chair. Now that's the leisure life!



System Features and Options



Each Compool system includes a Power Center and an in-wall control panel. For pool/spa combinations, valve actuators to switch water flow between pool and spa are standard.

Whether you have a pool, separate pool and spa, or pool/spa combination, there's a Compool system that's just right for you. Every system features:

- One-touch function control – no complicated menus or routines to memorize.
- Ability to program pool, spa and additional equipment. Each circuit in the system can control four separate operating schedules.
- Timers for every operation with remaining time displayed.
- Ability to set programs one time and have the system remember to run original programs after the special program(s) are complete.
- Lockout button at optional spa-side remote protects automatic cleaner booster pump by preventing operation without a water feed.
- Sensors that start your circulation system if freezing conditions occur; to protect your equipment.
- Heater cool-down cycle that prevents hot water from damaging the heater, plumbing, and backwash valve.
- Temperature display in Fahrenheit and Celsius.
- Compatible with gas or electric heaters, heat pumps or solar heating systems.
- Override controls also placed at equipment pad for added convenience.
- Temperature control accurate to one degree Fahrenheit.
- Three-hour clean-up cycle lets your pool service override the system without having to enter your home – then Compool automatically resets itself, putting pool and spa programs back on schedule.

The Family of Compool Systems

For Pool/Spa Combinations (single pump and filter system)



The CP3800, CP3600 and CP3400 are the most capable systems and feature an indoor control panel with electronic timer, digital thermostats, and temperature display for pool and spa. They control basic circulation and heating equipment, as well as additional functions you choose, such as pool and landscape lighting, automatic pool cleaners, fountains, waterfalls, and more.



The CPI100 features an indoor control panel with push-button controls for pool-spa switching and control of three additional functions. Also includes pool and spa temperature display.



The CP30 features a remote plate incorporating switches for pool-spa switching, heater control (single or dual thermostat) and control of two additional accessories.

For Pool or Spa Only

The CP3810 is designed to control functions for one body of water with a single filtration system.

For Separate Pool and Spa

The CP3830 is the perfect choice if you own a pool and spa with separate filtration systems.

For Landscape and Water Features

The CP3820 is ideal for controlling landscape lighting, fountains and waterfalls.

For Solar System Control

The Compool LX220 Solar Control System automatically monitors the temperature of your solar collectors and pool. When sufficient solar energy is available, the LX220 opens a motorized valve which sends filtered water to the solar collectors. If clouds or wind reduce ambient temperatures, the system shuts off the collectors to prevent them from cooling the pool. Includes adjustable thermostat, optional pool cleaner pump protection and an optional solar booster pump if extra water flow is required.



Remote Control Options



**Four-function
Spa-side Remote**



**Eight-function
Spa-side Remote**



**Remote
Capability**

- Four-function spa-side remote to control filter, jets, heater and lights.
- Eight-button spa-side remote with temperature display.
- Telephone remote capability – turn on your spa or run other equipment before you get home.

Additional Options

- Solar heating system control – for automatic switching from solar to back-up heater when needed to maintain desired temperature.
- Dimmer controls for lighting features – located on indoor control panel or selected outdoor remote controllers.

For even greater functionality, ask about IntelliTouch®



For those wishing to add even more control capability and added system protection features, ask your pool professional about IntelliTouch®

automation systems. These expandable systems can control up to 40 individual functions and offer additional remote control possibilities, including the innovative ScreenLogic™ interface software that allows system operation from advanced touch screens, pocket PCs, wireless remotes and even your personal computer.

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Systems and Features	CP3800 Pool/Spa Combo	CP3600 Pool/Spa Combo	CP3400 Pool/Spa Combo	CP100 Pool/Spa Combo	CP30 Pool/Spa Combo	CP3810 Pool Only or Spa Only	CP3820 Landscape Feature	CP3830 Separate Pool and Spa
Aux 1 control circuit	S	S	S	S	S	S	S	S
Aux 2 control circuit	S	S	S	S	S	S	S	S
Aux 3 control circuit	S	S	S	S	N	S	S	S
Aux 4 control circuit	S	S	N	N	N	O	S	S
Aux 5 control circuit	S	S	N	N	N	O	S	S
Aux 6 control circuit	S	N	N	N	N	O	S	S
Aux 7 control circuit	S	N	N	N	N	O	S	N
Indoor control panel with electronic timer	S	S	S	N	N	S	S	S
Digital thermostats and temperature display	S	S	S	O	N	S	S	S
Heater cool-down cycle	S	S	S	S	S	S	S	S
Spa-side remote capability with heat boost	S	S	S	N	N	S	S	S
Power center w/mechanical time clock	N/A	N/A	N/A	S	S	N/A	N/A	N/A
Power center w/ 3 or 4 relays; service switches for all equip.	S	S	S	S ¹	S ²	S	S	S
100-amp circuit breaker sub-panel	O	O	O	O	O	O	O	O
Two valve actuators	S	S	S	S	S	N	N	N
Water temperature sensor	S	S	S	S	N	S	S	S
Freeze protection	S	S	S	O	O	S	S	S
Remote switch plate with toggle switches	N/A	N/A	N/A	N/A	S	N/A	N/A	N/A
Solar control sensor	O	O	O	N	N	O	O	O
Two speed filter pump control	O	O	O	N	N	O	O	O
Spa-side remote control	O	O	O	O	N	O	O	O
Additional indoor remote control panels	O	O	O	N	N	O	O	O
Telephone remote control	O	O	O	N	N	O	O	O
Light dimming	O	O	O	N	N	O	O	O
Additional valve actuators	O	O	O	O	O	O	O	O
Pool cleaner time clock	N/A	N/A	N/A	O	O	N/A	N/A	N/A
100 foot hook-up cable	N/A	N/A	N/A	N/A	S	N/A	N/A	N/A
150 foot hook-up cable	S	S	S	O	N/A	S	S	S

S - Standard O - Optional N - Not Available N/A - Not applicable ¹ Four relays with CP100. ² Three relays with CP30

Consult with Your Pool Professional Today

Learn more about the latest advances in poolscape automation technology. Give us a call at **800.831.7133**. Also, please visit us online.

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