

# PROPAK

single pump system



TSC-19 (7" • 3 1/4")



TSC-18 (5" • 2 1/2")

The **Quick Reference Card** provides a quick overview of your spa's main functions and the operations accessible with your digital control pad.

## Starting the pump:



Press **Jets** to turn pump on. Press a second time to change pump speed. A third time turns pump off. A built-in timer turns pump off after 20 minutes, unless manually deactivated first. The "Jets" indicator lights up when pump is on.

## Turning the light on:



Press **Light** to turn light on. Press a second time to turn light off. The light turns off after 2 hours, unless it has been manually deactivated. The "Light" indicator is displayed when light is on.

## Automatic water heater start:



When water temperature is 1°F (0.5°C) lower than Set Point, the heater will automatically turn on until water temperature reaches Set Point plus 1°F (0.5°C).

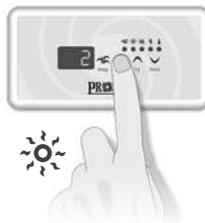
## Setting water temperature:



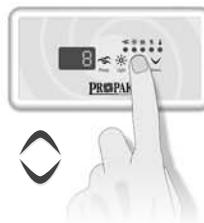
Use **Up/Down** arrow keys to regulate water temperature. Press and hold key to increase or decrease current water temperature setting. The temperature setting is displayed for 5 seconds to confirm your new selection. The "Set Point" indicator shows the desired temperature, NOT the current water temperature! Water temperature can be adjusted by 1°

## Programming filter cycle duration

The system automatically performs 2 filter cycles per day, at 12-hour intervals. During a filter cycle, pump runs for a programmed number of hours. Setting filter cycle duration:



Press and hold **Light** key for 5 seconds. The display will show a value that represents filter cycle duration in hours.



Use **Up/Down** arrow keys to change setting.  
0 = no filtration  
12 = continuous filtration



When the desired setting is displayed, press **Light** key again. The filter cycle will start. The "Filter" indicator lights up when a filter cycle is on.

**Filter** An irregularly flashing "Filter" indicator means that the system has stopped filtering after 3 hours because water temperature is 2°F (1°C) above Set Point. If temperature cools down before the scheduled end of the cycle, filtering will resume for the remainder of the programmed duration.

**Note:** After a power failure, the filter cycle duration will return to its default value (6 hours). In this case, the first filter cycle will start 12 hours after power has been restored.

## Troubleshooting



The pump has started up for one minute on several occasions and "Filter" indicator is flashing.

Not a bug but a feature!

Our **Smart Winter Mode** protects your spa from the cold by automatically turning pump on for one minute several times a day to prevent water from freezing in pipes.



Water temperature is flashing. Water temperature in the spa has reached 112°F (44°C).

Do not enter the water! Allow water to cool down. The system will reset automatically when water temperature reaches 109°F (43°C).

Call your dealer or service supplier if problem persists.



3 flashing dots are displayed.

A problem has been detected.

Do not enter the water! Check and open water valves. Clean filters if necessary. Check water level. Add water if needed.

Shut power off and power your spa up again to reset the system.

Call your dealer or service supplier if problem persists.



The "Heater" indicator is flashing when pump is on at high speed.

Not a bug but a feature!

The heater is turned off when pump is on at high speed to limit the electrical current drawn.

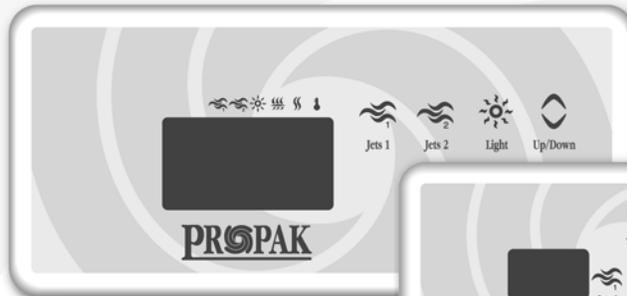
The display is flashing.

A power failure has occurred. Press any key to reset the system and reprogram all desired parameters.

## Quick Reference Card

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dual pump system



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## Starting Pump 1:



Press **Jets 1** to turn Pump 1 on. Press a second time to change Pump 1 speed. A third time turns Pump 1 off. A built-in timer turns Pump 1 off after 20 minutes, unless manually deactivated first. The "Jets 1" indicator lights up when Pump 1 is on.

## Starting Pump 2/blower:



Press **Jets 2** to turn Pump 2/blower on. Pressing a second time turns Pump 2/blower off. A built-in timer turns Pump 2/blower off after 20 minutes, unless manually deactivated first. The "Jets 2" indicator lights up when Pump 2/blower is on.

## Turning the light on:



Press **Light** to turn light on. Press a second time to turn light off. The light turns off after 2 hours, unless it has been manually deactivated. The "Light" indicator is displayed when light is on.

## Setting water temperature:



Use **Up/Down** arrow key to regulate water temperature. Press and hold key to increase or decrease current water temperature setting. The temperature setting is displayed for 5 seconds to confirm your new selection. The "Set Point" indicator shows the desired temperature, NOT the current water temperature!  
Water temperature can be adjusted by 1° increments from 59 to 104°F (15 to 40°C).

## Automatic water heater start:

When water temperature is 1°F (0.5°C) lower than Set Point, the heater will automatically turn on until water temperature reaches Set Point plus 1°F (0.5°C). The "Heater" indicator lights up when heater is on.

## Programming Filter Cycle Duration

The system automatically performs 2 filter cycles per day, at 12-hour intervals. During a filter cycle, pump runs for a programmed number of hours. To set filter cycle duration:



Press and hold **Light** key for 5 seconds. The display will show a value that represents filter cycle duration in hours.



Use **Up/Down** arrow key to change setting.  
0 = no filtration  
12 = continuous filtration



When the desired setting is displayed, press **Light** key again. The filter cycle will start. The "Filter" indicator lights up when a filter cycle is on.

**Note:** An irregularly flashing "Filter" indicator means that the system has stopped filtering after 3 hours because water temp. is 2°F (2°F) above Set Point. If temperature cools down before the scheduled end of the cycle, filtering will resume for the remainder of the programmed duration.

**Note:** After a power failure, the filter cycle duration will return to its default value (6 hours). In this case, the first filter cycle will start 12 hours after power has been restored.

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The "Heater" indicator is flashing when pump is on at high speed.

Not a bug but a feature!

The heater is turned off when pump is on at high speed to limit the electrical current drawn.

The display is flashing.

A power failure has occurred. Press any key to reset the system and reprogram all desired parameters.

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