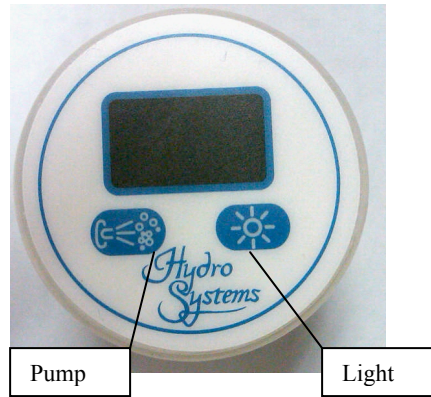# The 2-Button C2 System:

Pump   Light

Control Features:

- Variable Speed Pump with wave mode operation
- Light device ON/OFF control with built in 30-minute light timer
- 7-Segment digital water temperature display with water sensor feedback
- Programmable run-timer
- High water scalding alarm

Light Operation: (Optional)
Pressing and releasing the light button activates the light; a second press deactivates the light. Once the light has been activated, an internal light timer is set to 30-minutes. If the light is left on for 30-minutes it will automatically be shut down.

The Programmable System Run-Timer:
In order to run the pump operation, the run-timer must be programmed by pressing button 1. If button 1 is pressed and held, the timer will scroll through the programmable times. Release the button on the desired amount of run-time. The maximum programmable time is 30-minutes. If the light device is on when the main run-timer is programmed and the light time remaining is less than the programmed run-time, the light will remain on until the system run-timer expires.

Digital Water Temperature Display:
Once the system detects the presence of water, the digital display will show the temperature of the water. The pump motor is then available for activation.

High Water Scalding Alarm Feature:
If the temperature of the detected water exceeds 111 degrees Fahrenheit, 'too' 'hot' will flash on the digital display. All function activation except the light device will be prohibited. If the over-temperature is detected while the pump is functioning, then the pump will be automatically shut down. Once the temperature no longer exceeds the high limit, the system will allow the run-timer to be re-programmed.

Variable Speed Pump Operation:
Pressing and releasing the button will turn the pump speed full ON or full OFF depending on the current state of the pump. To vary the speed of the pump, pressing and holding the button will start the pump at high speed and after 3 seconds begin to decrease down to the lowest speed. The digits on the display will indicate the speed numbers down to the lowest speed setting. A release of the button on a particular will stop the pump's speed adjustment and remain on the selected speed setting. A continuous hold of the button for 2 seconds while in lowest speed (SP1) will activate the 'wave mode' feature of the pump. 'WA' is shown on the digital display to indicate that the 'wave mode' has been activated, release the button and the system will remain in the 'wave mode'. If a variable speed pump is active, a press and hold of the pump button will always return the pump to full speed, even if the 'wave mode' has been activated.

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