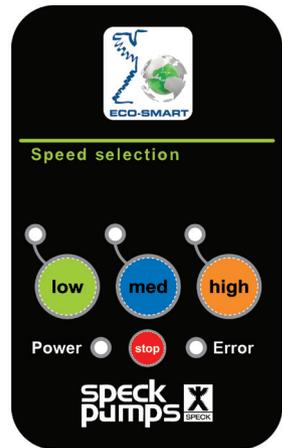The pump will accelerate to the high speed level in approximately 6-8 seconds. ***Once started, the motor is programmed to operate on high speed for two minutes to ensure a proper prime is achieved, during which time no attempt to change speeds will be recognized. Only after this two minute cycle will a change speed signal be accepted.***

(Two Minute Version) If no speed change signal is received by the motor after the two minute prime cycle, then the pump will automatically turn down to one of the two reduced speeds.

(Two Hour Version) If no speed change signal is received by the motor after the two minute prime cycle, the motor will remain on high speed for a total of two hours, then automatically turn down to one of the two reduced speeds.

Adjusting Speed Settings

1. Holding the LOW, MED, or HIGH button for 5 to 10 seconds will switch the control to speed adjust mode. The button that was held is the speed to be adjusted. The LED of the speed being adjusted will blink.

2. Pressing the left LOW button will decrease the speed. *(See Speed Range)*

3. Pressing the right HIGH button will increase the speed. *(See Speed Range)*

4. Pressing the middle MED button will save the current speed and return to normal operation. *(See Speed Range)*

Figure 1

5. Pressing the STOP button or waiting 30 seconds without pressing any buttons (Not saving) will cancel the change, revert back to the previous speed and return to normal operation mode.

6. Holding all three speed buttons for 5 to 10 seconds will reset the three speeds to factory default. All three LEDs should be solid and lit. Continue to hold until the LEDs blink.

Speed Range: RPM *(Factory Default Speeds are highlighted)*
Low: 1000, 1200, 1400, 1600, 1725
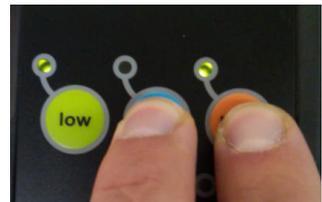Medium: 1800, 2000, 2200, 2400, 2600, 2800
High: 2850, 3050, 3250, 3450

Changing the Default Speed

The reduced default speed is factory set to switch to low speed operation after the initial start-up operational period. However, it can be modified to medium speed as required by minimum flow / pressure requirements of various pool-side equipment / features as defined by manufacturer specifications. *The default speed should only be modified during the first two minutes of applying power to the unit.*

Please follow all local/state regulations regarding pool motor and timer speed settings when choosing default speed operation.

1. Allow the pump to achieve prime if starting the system for the first time.

2. Turn power OFF to the motor once pump prime is reached. Also turn power OFF to the motor if prime was previously reached.

3. Turn the motor ON after allowing the motor to sit for at least thirty (30) seconds.

4. After allowing the motor to come to full speed, press and hold the HIGH and MED buttons simultaneously as shown in Figure 2 until the LOW speed LED indicator light begins to blink and then release.

5. The LOW speed LED will continue to blink for three (3) seconds to indicate a modification to the automatic default speed turndown is being requested. After a brief pause, a second series of LED blinks will indicate the new default setting has been set to either medium speed (MED speed LED blinks) or low speed (LOW speed LED blinks).

Figure 2

6. Turn the motor OFF, wait thirty (30) seconds, turn back ON to activate new setting. *NOTE: Repeat steps 1-6 to revert back to the previous default speed.*

Speck Pumps YouTube Channel
http://www.youtube.com/user/SpeckPumps