Simply Pumps.com

724-864-5959

Max Current	Fwd/Rev	Run/Stop	PCB Enclosed	Input VDC	Cycle Timing	Digital Display	Connection	0 - 5 VDC Analog Input	Wireless	Speed Control
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3 Amp	No	No	Yes	6 - 35	No	No	Wire Leads	No	No	Pot
5 Amp	No	Yes	Yes	12 - 24	No	Yes	Terminal Strip	No	No	Buttons
10 Amp	No	No	No	6 - 90	No	No	Terminal Strip	Yes	No	Pot
10 Amp	No	No	Yes	6 - 90	No	No	Wire Leads	Special Order	No	Pot
20 Amp	No	Yes	Yes	6 - 60	No	Yes	Terminal Strip	No	No	Buttons
20 Amp	No	Yes	Yes	6 - 60	No	Yes	Wire Leads	No	No	Buttons
20 Amp	No	Yes	Yes	12 - 48	Yes	Yes	Terminal Strip	No	Yes	Buttons
30 Amp	Yes	Yes	Yes	10 - 55	Yes	Yes	Terminal Strip	No	Yes	Buttons
40 Amp	Yes	Yes	Yes	10 - 55	Yes	Yes	Terminal Strip	No	No	Buttons
	Draw 3 Amp 5 Amp 10 Amp 10 Amp 20 Amp 20 Amp 20 Amp 30 Amp	Draw Button 3 Amp No 5 Amp No 10 Amp No 20 Amp No 20 Amp No 20 Amp No 30 Amp Yes	Draw Button Button 3 Amp No No 5 Amp No Yes 10 Amp No No 10 Amp No No 20 Amp No Yes 20 Amp No Yes 30 Amp Yes Yes	Draw Button Button Enclosed 3 Amp No No Yes 5 Amp No Yes Yes 10 Amp No No No 10 Amp No No Yes 20 Amp No Yes Yes 20 Amp No Yes Yes 30 Amp Yes Yes Yes	Draw Button Button Enclosed Range 3 Amp No No Yes 6 - 35 5 Amp No Yes 12 - 24 10 Amp No No No 6 - 90 10 Amp No No Yes 6 - 90 20 Amp No Yes Yes 6 - 60 20 Amp No Yes Yes 12 - 48 30 Amp Yes Yes Yes 10 - 55	Draw Button Button Enclosed Range Timing 3 Amp No No Yes 6 - 35 No 5 Amp No Yes Yes 12 - 24 No 10 Amp No No No 6 - 90 No 10 Amp No No Yes 6 - 90 No 20 Amp No Yes Yes 6 - 60 No 20 Amp No Yes Yes 12 - 48 Yes 30 Amp Yes Yes Yes 10 - 55 Yes	Draw Button Button Enclosed Range Timing Display 3 Amp No No Yes 6 - 35 No No 5 Amp No Yes 12 - 24 No Yes 10 Amp No No No 6 - 90 No No 10 Amp No No Yes 6 - 90 No No 20 Amp No Yes Yes 6 - 60 No Yes 20 Amp No Yes Yes 12 - 48 Yes Yes 30 Amp Yes Yes Yes Yes Yes Yes	DrawButtonButtonEnclosedRangeTimingDisplayType3 AmpNoNoYes6 - 35NoNoWire Leads5 AmpNoYesYes12 - 24NoYesTerminal Strip10 AmpNoNoNo6 - 90NoNoTerminal Strip10 AmpNoNoYes6 - 90NoNoWire Leads20 AmpNoYesYes6 - 60NoYesTerminal Strip20 AmpNoYesYes6 - 60NoYesWire Leads20 AmpNoYesYes12 - 48YesYesTerminal Strip30 AmpYesYesYesYesTerminal Strip	DrawButtonButtonEnclosedRangeTimingDisplayTypeAnalog Input3 AmpNoNoYes6 - 35NoNoWire LeadsNo5 AmpNoYes12 - 24NoYesTerminal StripNo10 AmpNoNoNo6 - 90NoNoTerminal StripYes10 AmpNoNoYes6 - 90NoNoWire LeadsSpecial Order20 AmpNoYesYes6 - 60NoYesTerminal StripNo20 AmpNoYesYes6 - 60NoYesWire LeadsNo20 AmpNoYesYes12 - 48YesYesTerminal StripNo30 AmpYesYesYes10 - 55YesTerminal StripNo	DrawButtonButtonEnclosedRangeTimingDisplayTypeAnalog InputRemote3 AmpNoNoYes6 - 35NoNoWire LeadsNoNo5 AmpNoYes12 - 24NoYesTerminal StripNoNo10 AmpNoNoNoNoNoTerminal StripYesNo10 AmpNoNoYes6 - 90NoNoWire LeadsSpecial OrderNo20 AmpNoYesYes6 - 60NoYesTerminal StripNoNo20 AmpNoYesYes6 - 60NoYesWire LeadsNoNo20 AmpNoYesYes12 - 48YesYesTerminal StripNoYes30 AmpYesYesYesYesTerminal StripNoYes

Things to consider when choosing a Variable Flow Controller (VFC) that uses PWM technology (all listed above use PWM)

- 1. The VFC input voltage should match the rated voltage of the brushed motor. Brushless motors are not compatible with these controllers.
- 2. The controllers vary the speed (rpm) of most any brushed motor. When used with a pump, the VFC will vary the flow rate.
- 3. The most important factor when choosing a VFC is to choose one with a higher current rating than the current rating of the motor/pump. Higher is fine but never lower. For example, all of the VFCs listed above will work fine with a motor/pump that is rated for 1.5 amps
- 4. What is cycle timing? A cycle timer can be programmed to set the precise amount of time the motor/pump is "on" and the amount of time it is "off". This combination of on and off time is considered a cycle. Once the cycle is programmed, the total number of cycles can also be programmed. These cycles will loop unattended until the set number of cycles complete. The 3 cycle timers listed above function slightly different on how a cycle is defined and the maximum number of cycles that can be programmed. Please refer to the instruction links on each product page.
- 5. All VFCs listed above will give you basic speed/flow control. Model numbers that contain the letter "P" are programmable. Typical parameters that can be programmed vary by model and generally include minimum/maximum speed/flow, acceleration/deceleration, and total run time. Cycle timers have 2 modes, manual (functions as a simple VFC) and automatic (functions as a sophisticated cycle timer).