

12V DC Controller

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The 12 VDC Controller is a unique control for operating down well pumps. The control offers variable speed control and cycle timer for controlling the pump “on” and “off” time. This feature is important for pumps that can not be run continuously. The 12 VDC Controller also incorporates a dry well detection feature to protect the pump should the well run dry. This feature is enabled at speed settings above 50% to help prevent pump seal damage.

FEATURES

- Variable speed control
- Variable on and off time control
- Continuous mode operation
- Dry pump short cycle mode protection
- Over current and motor fault protection
- Under/over voltage shut down protection
- Reverse polarity protection

OPERATION

Adjust the controller on and off timer knobs to the desired cycle times. These adjustments are read only during the start of an on or off cycle. For this reason, if either timer adjustment knob is changed while the controller is in that mode of operating, the new timer value will not be valid until the start of the next timer cycle. Adjust the speed controller knob to somewhere near the middle of the scale. Turn the controller power switch on. The pump unit should begin pumping fluid. Slowly adjust the speed control knob to get the desired flow rate.



12V DC Variable Speed Pump Controller

SPECIFICATIONS

Power	150W	On Timer Range	30 sec to 30 minutes
Input voltage range	10-18V DC	Off Timer Range	30 sec to 30 minutes
Vout range	0 to Vin - 1 VDC	Timer resolution	7 sec
Amp out (max)	15A	Accuracy	± 15 sec
Fault current output	16A	Storage temp	-20°C to 85°C
Efficiency	>94%	Operational temp	-20°C to 50°C

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