

DPW Series Pulse Width Modulated Variable Speed DC Control

DPW02DVC
DPW05DVC



DPW10DVC



cULus Recognized
(Pending)

The DPW Series PWM DC controls are designed to meet and exceed the industry standards of reliability and performance that you expect.

- The compact, surface mount design comes in the same industry standard footprint as Dart's popular 125 Series controls.
- Dart's unique "Power Supply Regulator Circuit" keeps the power supply charged during sudden input or output voltage drops. This allows the DPW control to avoid a low voltage lockout resulting in the dramatic output drops and uncontrolled speed jumps experienced in current industry designs.
- The input "Pre-Charge Circuit" allows for control power-up without tripping even the most sensitive GFI breakers due to high inrush current
- The Cycle to Cycle Current Limit circuit enables the DPW control to be less susceptible to short circuit damage.



Speed Potentiometer
Kit Included

DPW SERIES STANDARD FEATURES

- Speed regulation 1% of base speed
- Inhibit circuit terminals, active low – permits start and stop without breaking AC lines
- 5K ohm speed potentiometer with 8" leads, dial & knob included
- 18kHz switching frequency for quiet operation
- Trim pot adjustments for IR comp, Min Speed, Max Speed, Current Limit, Accel, and Decel
- Accel and Decel time range from .5 to 8 Sec. (no load)
- Euro style easy access terminal strips
- Power-on LED
- RoHS compliant
- cULus pending

OPERATING CONDITIONS

- Temperature-10 ° to +45 ° C
- Input impedance.....400 K Ohms
- AC Input voltage120/240 VAC +/-10%
- Input frequency50/60 Hz
- Form Factor 1.05

DPW SERIES SELECTION GUIDE

MODEL	INPUT VOLTAGE (VAC)	OUTPUT VOLTAGE (VDC)	MAX CONTINUOUS AMPS OUT	HP RATING
DPW02DVC	120/240	0-130/0-240	2	1/50-1/4
DPW05DVC	120/240	0-130/0-240	5	1/8-1
DPW10DVC	120/240	0-130/0-240	10	1/2-2

DIMENSIONAL SPECIFICATIONS (INCHES)

MODEL	WIDTH	LENGTH	HEIGHT
DPW02DVC	3.650	4.250	2.200
DPW05DVC	3.650	4.250	2.270
DPW10DVC	3.650	4.250	3.617

TYPICAL APPLICATIONS

- Printing
- Exercise Equipment
- Packaging Machinery
- Sorting Machinery
- Pottery Wheels
- Film Processing
- Conveying
- Medical Lab Equipment

ADJUSTMENTS AND HOOK-UPS

