

DG2+ Non-Regenerative

Ratings: 2 to 5 HP at 240 Vac



The DG2+ Series of single-phase DC motor controllers provide adjustable DC voltage to control the speed of either PM or Shunt Wound DC motors. Two models cover the power range from 1/8 to 5 HP, and come in either a chassis or NEMA-4 enclosure. All models have, as standard, impedance isolated control circuits, a double loop control for precise regulation of current (torque) and voltage (speed), LED diagnostics for ease of troubleshooting and maintenance, current loop access for torque regulated drives, programmable shunt for precise current feedback, and ± 12 V auxiliary supply to power option boards.

Approvals:

- UL and cUL Listed

Design:

- AC Line Fusing
- Noise Immune Circuits
- Under Voltage Protection
- Dual Field Supply 50/100 Vdc or 100 / 200 Vdc
- Heavy Duty Field Supply
- Tachometer or Voltage Feedback
- Field Economy
- MOV and dV/dt Protection
- Linear Inputs and Outputs
- Dual AC Supply 120 / 240 V

Enclosure:

- NEMA-4 Indoor-Duty Enclosure
- Run / Jog Switch
- Start / Stop Switch
- Single Turn Speed Pot w/ Graduated Dial
- Power "ON" LED

Adjustments:

- Accel / Decel to 30 Seconds
- Minimum Speed to 20%
- Maximum Speed 70% to 100%
- Current Limit
- Current Stability
- Voltage Stability
- IR Compensation

Performance:

- Operating Temperature 0 - 40°C
- Maximum Altitude w/o Derating 3300 ft.
- Speed Range
 - 30:1 Open Loop w/ Armature Feedback
 - 50:1 Closed Loop w/ Tachometer Feedback

DF8+ Regenerative

Ratings: 2 to 5 HP at 240 Vac



The DF8+ Series of single-phase DC motor controllers provide adjustable DC voltage to control the speed of either PM or Shunt Wound DC motors. Two models cover the range from 1/8 to 5 HP and come in either a chassis or NEMA-4 enclosure. All models have as standard, dual bridge four quadrant operation for rapid speed reversal and electronic braking, impedance isolated control circuits, a double loop control for precise regulation of current (torque) and voltage (speed), LED diagnostics for ease of troubleshooting and maintenance, current loop access for torque regulated drives, ± 12 V auxiliary supply to power option boards, and zero speed relay. LED indicators for power "ON", run relay, forward, reverse and zero speed.

Approvals:

- UL and cUL Listed

Design:

- AC Line Fusing
- Noise Immune Circuits
- Under Voltage Protection
- Dual Field Supply 50/100 Vdc or 100 / 200 Vdc
- Heavy Duty Field Supply
- Tachometer or Voltage Feedback
- Field Economy
- MOV and dV/dt Protection
- Linear Inputs and Outputs
- Dual AC Supply 120 / 240 V

Enclosure:

- NEMA-4 Indoor-Duty Enclosure
- Run / Jog Switch
- Start / Stop Switch
- Single Turn Speed Pot w/ Graduated Dial
- Power "ON" LED
- Forward / Reverse Switch

Adjustments:

- Accel / Decel to 30 Seconds
- Maximum Speed 70% to 100%
- Forward Current Limit
- Reverse Current Limit
- Current Stability
- Voltage Stability
- IR Compensation
- Zero Speed Offset

Performance:

- Operating Temperature 0 - 40°C
- Maximum Altitude w/o Derating 3300 ft.
- Speed Range
 - 30:1 Open Loop w/ Armature Feedback
 - 50:1 Closed Loop w/ Tachometer Feedback

Prices and specifications subject to change without notice.

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