CLOSED LOOP DC SPEED CONTROL

OMDC-MD Series

- Adjustable Min/Max
- Adjustable Accel/Decel
- Adjustable Equivalent to Proportional and Integral Gains
- NEMA 4X (IP66) Rating
- Universal Power Supply
- Pulse Input Capacity of 50,000 PPM, 833 Hz
- Programmable Power-On Initial Settings
- Inhibit Mode is Selectable from Many Input Options
- Jog Function Selectable from Many Input Options
- Non-Volatile Memory Allows All Custom Settings to Be Stored for Future Use
- User-Friendly Programming from the Front Panel
- Program for Any Engineering Unit

The OMDC-MD Series is a compact, programmable DC speed control with digital closed loop feedback and LED display for DC motors rated to 2 horsepower. An on-board microprocessor with non-volatile memory, coupled with sophisticated internal software, makes the OMDC-MD series speed control the ultimate value in accuracy and control.

Programmable parameters include maximum and minimum set speed, decimal points, and operating mode (master or follower).

The OMDC-MD series speed control is simple to operate: set the desired RPM, rate, or time in the large ½ LED display by depressing the “Up” and “Down” pushbuttons on the front panel. Settings can be one digit at a time or fast sweep. The OMDC-MD series speed control settings are exact and repeatable. It will precisely control speed to ±½ RPM of set speed, long term. No calibrations of the control are necessary.

To Order

<table>
<thead>
<tr>
<th>MODEL NO.</th>
<th>PHYSICAL</th>
<th>MAX ARM DC AMPS</th>
<th>MAX HP</th>
<th>INPUT</th>
<th>OUTPUT</th>
</tr>
</thead>
<tbody>
<tr>
<td>OMDC-MD10P</td>
<td>½ DIN panel mount</td>
<td>5</td>
<td>⅛</td>
<td>120 Vac</td>
<td>0 to 90 Vdc</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td>240 Vac</td>
<td>0 to 180 Vdc</td>
</tr>
<tr>
<td>OMDC-MD3P</td>
<td>¼ DIN panel mount</td>
<td>10</td>
<td>1</td>
<td>120 Vac</td>
<td>0 to 90 Vdc</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2</td>
<td>240 Vac</td>
<td>0 to 180 Vdc</td>
</tr>
<tr>
<td>OMDC-MD3P-1</td>
<td>¼ DIN, provision for remote pushbutton</td>
<td>10</td>
<td>1</td>
<td>120 Vac</td>
<td>0 to 90 Vdc</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2</td>
<td>240 Vac</td>
<td>0 to 180 Vdc</td>
</tr>
</tbody>
</table>

OPTIONAL SENSOR

OMDC-PU-40E  Shaft mounted pick-up sensor, 20 pulses per revolution

Comes complete with operator’s manual.

Ordering Examples: OMDC-MD10P, digital closed loop DC speed control for max 1 HP motor with 5 Arm Amps, and OMDC-PU-40E, shaft mounted pick-up sensor with 20 pulses per revolution.