

CLD Series

Closed Loop Display



The CLD100-1 closed-loop panel mount display is designed to greatly improve the performance of almost any open loop system by providing tighter speed regulation as well as increasing speed range. Compatible with a variety of feedback devices such as NPN type encoders, Hall Effect sensors, and electromagnetic pickups, the CLD100-1 can easily be setup to control almost any motor drive with its isolated 0-10VDC speed reference output. Programming has been made simple by the use of only 4 parameters that are easily changed via 3 push buttons. It's bright and large 4-digit display can be set to display any engineering unit from gallons per minute to widgets per day. Our CLD100-1 is versatile, economical, and easy to use in applications that require improved performance.

Drive	Input Voltage (VAC)	AC Line Power	Acceptable Feedback Devices	Analog Output Voltage Range	Power Supply Voltage for Feedback Devices	Speed Regulation	Feedback Frequency Range
CLD100-1	Chassis	15	Hall Effect Sensor* Electromagnetic Pickup 5 or 12 VDC NPN-type encoder or proximity switch*	0 to 10 VDC	5 or 12 VDC @ 10 mA	0.05%	10 -3000 Hz**

SPECIFICATIONS

AC Line Voltage..... 115 / 230 VAC, ± 10%, 50/60 Hz, 1Ø
 AC Power5.5 watts nominally
 Acceptable Feedback Sources .5 or 12 VDC NPN-type encoder
 5 or 12 VDC NPN-type proximity switch
 Hall effect sensor
 Magnetic pickup
 Power Supply VDC for Feedback
 Devices5 or 12 VDC (12 mA max)
 Speed Regulation..... 0.05% of set speed
 Ambient Temperature Range..... 10°C - 40°C

FEATURES

Excellent Speed Regulation: 0.05% speed regulation of set speed provides for tight control throughout a 200:1 speed range
Pushbutton Programming: Three front panel pushbuttons provide quick and easy programming.
4-Digit LED Display: Red 0.5 inch (13 mm) wide digits for good visibility
Programmable Decimal Point: Makes specific application readouts easy.
Inhibit Terminal: A low voltage, dry contact closure on the inhibit terminal will reduce the output to zero
Selectable Feedback Devices: Accepts magnetic pickup, hall effect, inductive proximity sensor or encoder input
5 or 12 VDC Power Supply: Provided to power feedback devices

TRIM POTS

Minimum Output
 Maximum Output

ACCESSORIES

KTP-0020: Mounting kit