

6.3 Specifications

Supply Voltage:	+24VDC (18VDC to 36VDC) Supply
Current (Run):	100mA + Maximum Driver Current
Supply Current (Start-Up):	1200mA
Maximum Driver Output:	+/- 1000 mA (PWM)
Closed Loop Update Rate:	-1600 Hz
Size:	23 mm wide - 91mm height - 88 mm length 0.87 in. wide - 3.56 in. height - 3.44 in. length (4.53 in. length with connector)
Ambient Temperature:	0°C to +55°C (+30 to 140°F)
Hottest Spot Case Temperature:	+70°C (+158°F)
Storage temperature range:	-20 to +85°C (0 to 185°F)
Mounting:	IEC 60175:1981/DIN EN 60175:2001
Minimum distance to other devices:	30 [mm] (1.18 inch)

6.4 IO Summary

Digital Input:	1	Digital High = 5VDC to 36VDC
Digital Output:	1	Vsupply
Inputs General Purpose):	3	Voltage (Potential) mode: +/- 10VDC Current mode: 0 to 20mA or 4 to 20mA (see Note 3)
LVDT Inputs:	1	10Vpeak - peak
Test Point Output	1	+/- 10VDC (see Note 1)
Programmable Outputs	2	+/- 10VDC (see Notes 1, 2)
Oszillator Output	1	3Vrms / 5kHz
Power Output	1	+/- 1000mA (PWM) +/- 200mA (linear)

Notes:

1. Output signal programmable (refer to Section 5.4)
2. Includes test point.
3. A 500Ω resistor is required across the analog input to convert the current into voltage. See Figure 20 for a typical connection for current mode on Analog Input 2.

6.5 Cable Recommendations and Terminal Information

Cable recommendations and terminal information are as follows (equivalent cable may be substituted).

EPC	Connection	Cable Type	Gauge	Belden P/N	Length (max)
Linear	Torque Motor	2 Conductor Shielded	#22 AWG	8761/8451	40 m /130Feet
Linear	LVDT	4 Conductor Shielded	#24 AWG	8723	40 m /130Feet
PWM	Valve	2 Conductor Shielded	#18 AWG	8761/8451	40 m /130Feet
PWM	LVDT	4 Conductor Shielded	#24 AWG	8723	40 m /130Feet

Table 24: Cable Recommendations