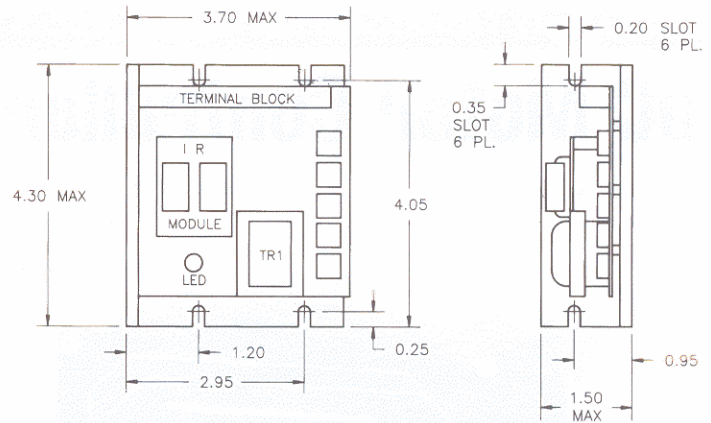
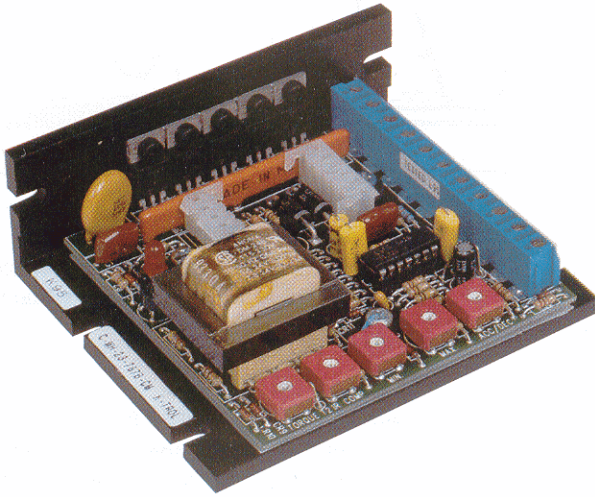


DC Motor Controller

1/50-2 HP 115 or 230 VAC



For optional features, refer to pages C-9 through C-16

STANDARD ADJUSTMENTS

- Minimum/Maximum speed
- Acceleration/Deceleration speed (.5-4 seconds)
- IR compensation (no load to full load RPM)
- Maximum torque (current)

IR MODULE SELECTION CHART

Supply Volt.	Motor HP	Arm. Volt.	IR Part No.
115 VAC	1/50-1/25	90 VDC	9000-0020
115 VAC	1/20-1/10	90 VDC	9000-0021
115 VAC	1/8-1/4	90 VDC	9000-0022
115 VAC	1/3-1/2	90 VDC	9000-0023
115 VAC	3/4	90 VDC	9000-0024
115 VAC	1	90 VDC	9000-0025
230 VAC	1/25-1/10	180 VDC	9000-0026
230 VAC	1/8-1/6	180 VDC	9000-0027
230 VAC	1/4-1/3	180 VDC	9000-0028
230 VAC	1/2	180 VDC	9000-0029
230 VAC	3/4	180 VDC	9000-0030
230 VAC	1	180 VDC	9000-0031
230 VAC	1-1/2	180 VDC	9000-0032
230 VAC	2	180 VDC	9000-0033



Recognized under Component Program of Underwriters Laboratories, Inc.

Chassis Mount for OEM design flexibility in Industrial or Commercial Equipment, Measuring and Dispensing Pumps, Industrial Process Furnaces and Ovens, Packaging machinery, Specialty Machinery, Woodworking Equipment and Conveyor Systems.

STANDARD FEATURES

- Multiple horsepower, dual voltage rating
 - 12 amperes (DC) continuous rating (with heat sink)
 - 2% regulation of base speed
 - 50:1 speed range (constant torque)
 - Transient and surge protection
 - Line voltage compensation
 - Full wave rectification
 - "Soft Start" Circuitry
 - "Power On" indicating light
 - 5k Ohm, .5 Watt master speed potentiometer.
- Requires IR Module - select from chart

SPECIAL FEATURES

- Single model for 90V and 180V applications
- Potentiometer and terminal blocks arranged for easy connection and adjustment
- Discrete SCR's & diodes for higher amperage and better heat dissipation
- Additional heat sink (part no. 2900-2928) required for: 3/4 and 1 HP, 115 VAC and 1-1/2 & 2 HP, 230 VAC

OPERATING VOLTAGES

POWER SOURCE (single-phase)	OUTPUT VDC	
	Armature	Field
115V, 50 or 60 Hz	0-90	100/50
230V, 50 or 60 Hz	0-180	200/100

Part No.	Style	WEIGHT	
		Lbs.	Kg.
C-MH-X-787B-E	Enclosed	4	1.99