

FEATURES

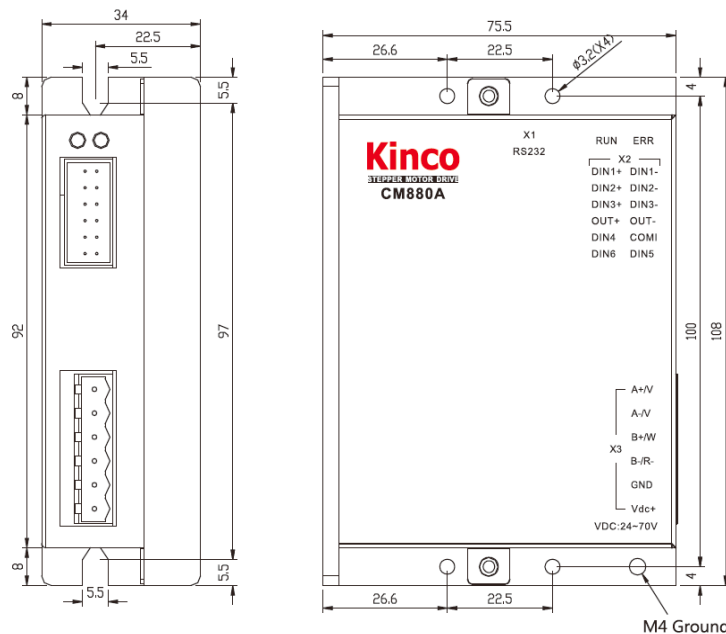
- Supply Voltage 24 ~ 70VDC
- Over Voltage Protection Above 85VDC
- Low Voltage Protection Below 15VDC
- Phase Current (Peak) 0 to 8A (Peak)
- Micro Step Set by Kinco Step Software
- Suitable Motor 3-Phase Hybrid Stepper Motor
- Operation Temp 0° to +40°
- Weight 0.29Kg
- Protection Level IP20



DESCRIPTION

The CM880A Series Stepper Driver provides improved dynamic drive performance. This series drive accepts 24~70VDC input, with up to 8 Amps per phase, and provides users with a step resolution of up to 65535 steps per revolution. As a additional feature, this drive provides users with the ability to select an auto reduce current setting which helps reduce power consumption and motor heat, which improves motor lifetime. Also, the isolation inputs help minimize interference from external electrical equipment as well as improving performance.

DIMENSIONS



(Units Are In mm)

WIRING DIAGRAM

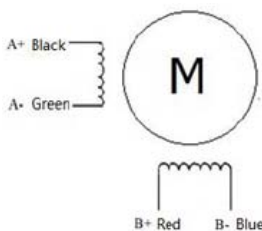


Fig.2-1 4-wires motor

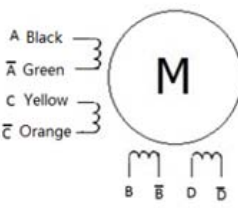


Fig.2-2 8-wires motor

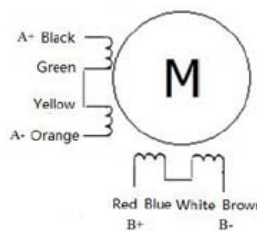


Fig.2-3 Series wiring of 8-wires motor

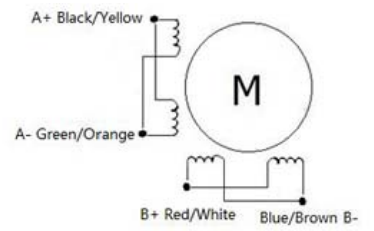


Fig.2-4 Parallel wiring of 8-wires motor

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Interference		Function
X1	RS232	RS232 Communication Port
X2 IO	DIN1+	DIN1+Input
	DIN1-	DIN1-Input
	DIN2+	DIN2+Input
	DIN2-	DIN2-Input
	DIN3+	DIN3+Input
	DIN3-	DIN3-Input

Input Voltage: 5 to 24 VDC
 Input Current: 8mA@5VDC, 12mA@24VDC
 Effective Input Signal: >3VDC
 Invalid Input Signal: <1VDC

Technical Specifications	
Supply Voltage	24VDC~70VDC
Over-Voltage Protection	Above 85VDC
Under-Voltage Protection	Below 15VDC
Phase Current	0 to 8A (Unit: A) (Peak)
Micro Step	Set by Kinco Step Software (200 to 65535)
Adaptable Motor	3-Phase Hybrid Stepper Motor
Input Signal	PLS(CW), DIR(CCW), FREE Signal; Input Voltage: 5~24VDC, Input Current: 8mA@5VDC, 12mA@24VDC
Output Signal	ERR, Open Connector Output, Maximum Current: 100mA
Control Signal Mode	PLS+DIR; Dual-Pulse CW/CCW, A/B Phase Encoder Signal
Automatic Half Current	The Driver Will Reduce Phase Current of the Motor by A Half in 1.5 Seconds
Protection Circuit	Over/low Voltage Alarm, Over Current Alarm and Overheat Protection
Operation Indicator	Operation and Error LED

Technical Specifications (Environment)	
Cooling Method	Cooling by Air
Operation Environment	Avoid the Environment with Great Amount of Metallic Powder, Oil Mist, or Erosive Gases
Operation Humidity	85%, RH (Non-Condensing or Water Drops)
Operation Temperature	0° C - +40° C
Storage Temperature	-20° C~ +70° C
Weight (Net)	0.29Kg
Dimensions	108x75.5x34 mm
Ingress Protection	IP20

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