



RAYMON ELECTRONICS, INC.

MDC-Dx

User Manual

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1.1 Receiving and Inspection

All Raymon MDC have gone through rigorous quality control tests at factory prior to ship. After receiving MDC-Dx, please check that the package includes :

- 1pcs MDC-Dx
- 1User manual

1.2 Features

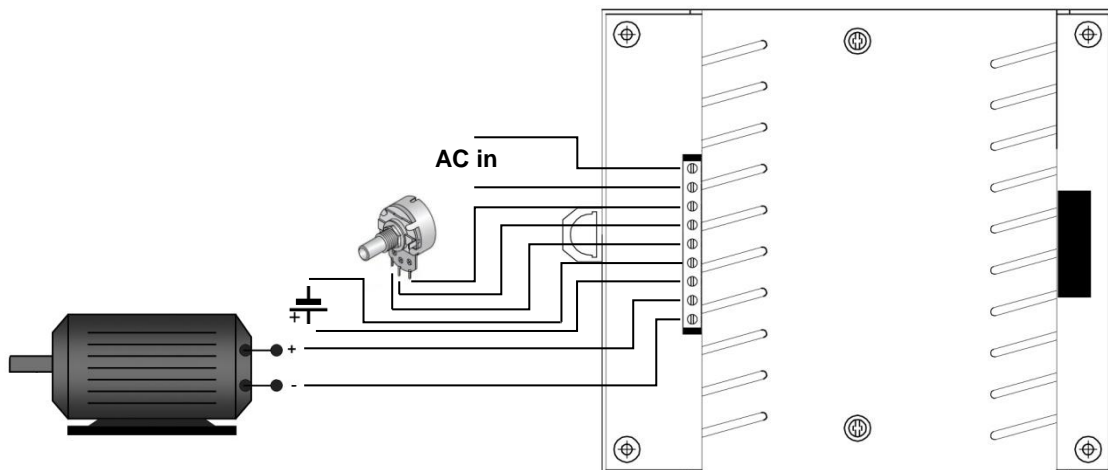
- There are 2 (MDC-D2) or 1 (MDC-D1) ports to drive DC motor(s).
- 24VDC/5A external power needed.
- DIN rail mount.

Chapter 2 Connections and wiring

2.1 Connections

In Figure 2.1, it briefly explains the connection of supply and loads for MDC-D1

Figure 2.1



Wiring Notes

Please observe the following wiring notes while performing wiring and touching any electrical connections on the DC motor.

- Ensure to check if the power supply and wiring of the "power" terminals is correct.
- Please use shielded twisted-pair cables for wiring to prevent voltage coupling and eliminate electrical noise and interference.

2.2 Wiring Methods

Each MDC-Dx device has one or two port(s). this(ese) output(s) can directly connect to loads.

3.1 ELECTRICAL CHARACTERISTICS

Symbol	Parameter	Min.	Typ.	Max.	Unit
V~	AC in		220		V
VM	Motor positive Supply Voltage	12		100	V
GNDM	Motor negative Supply Voltage				
GND	Signal ground				
AI	Signal			10	V
POT+	Potentiometer Positive Pin				
OUT+-	Output Port To Motor				
Ptot	Total Power Dissipation (Tcase = 75°C)		200		W
IO	Peak Output Current (each Channel)	2	2.5	3	A



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