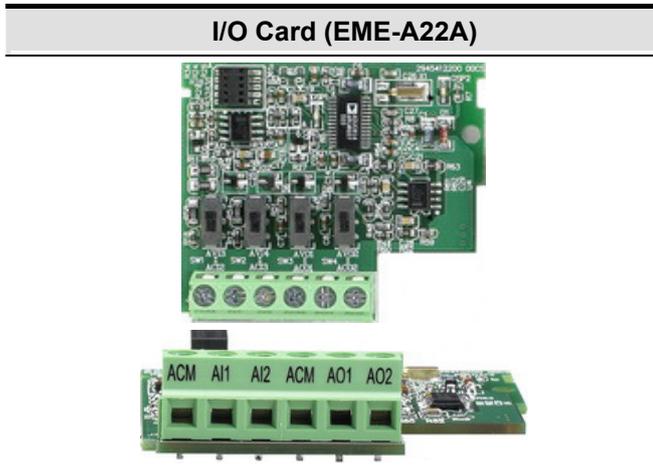


EME-A22A Analog Extension Card for VFD-E Series Instruction Sheet

- ◆ Please thoroughly read this instruction sheet before installing option cards and putting them into use.
- ◆ The content of this instruction sheet may be revised without prior notice. Please consult our distributors or download the most updated version at <http://www.delta.com.tw/industrialautomation/>.

1 Layout



2 Installation

- Make sure that the AC Motor Drive is powered off before operation. DO NOT insert or remove the card when the AC Motor Drive is powered on.
- Please mount the extension card as shown and fix it with the screw packed with the card.



- Terminals Screw Torque: Maximum 5kgf-cm
- Wire Gauge: 14 ~ 24 AWG (2.1 ~ 0.2 mm²)

NOTE

- Only when the extension card is correctly installed on the AC Motor Drive, the extension card will be automatically detected. The parameters can be set in Group 12. If extension card is not installed, only parameters Group 0 ~ Group 10 can be set. Refer to Chapter 5: Parameters in the user manual for further details.

3 Specification

Environmental

Operating Temperature	-10°C to 50°C (non-condensing and not frozen)
Storage Temperature	-20°C to +60°C
Ambient Humidity	Less than 90%RH (non-condensing)
Installation Altitude	Below 1000m
Vibration	Below 20 Hz: Maximum 9.81 m/s ² (1G) 20 ~ 50Hz: Maximum 5.88 m/s ² (0.6G)

NOTE

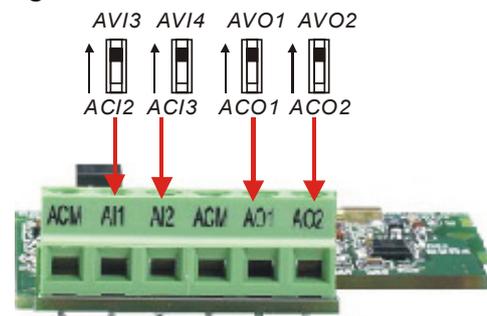
- Always use this product in a clean indoor location free from dust, corrosive gas and liquid.

Inputs/Outputs

EME-D33A

Terminal Symbols	Descriptions
AI1 AI2	Input Voltage: 0 ~ 10VDC =0 ~ Maximum Output Frequency (Pr.01.00) Input Impedance: 100KΩ Resolution: 12 bits
	Input Current: DC 0 ~ 20mA=0 ~ Maximum Output Frequency (Pr.01.00) Input Impedance: 250Ω Resolution: 12 bits Voltage/Current Switch: Please refer to the following diagram
AO1 AO2	Output Voltage: DC 0 ~ 10V Output Impedance: 1K ~ 2MΩ Resolution: 12 bits
	Output Current: DC 0 ~ 20mA Output Impedance: 0 ~ 500Ω Resolution: 12 bits Voltage/Current Switch: Please refer to the following diagram
ACM	Analog control signal common

Voltage/Current Switch



4 Notes

- When the relays are used to switch inductive loads (relays, contactors, motors, etc), connect an RC network or Varistor parallel to the load to suppress voltage spikes.
- For safety, it is recommended to use fuses for the circuitry that is switched by the relays. The fuse specification must be within the specified contact limits.
- Please use shielded wires to avoid interferences and connect the shield to ground.
- The ends of wires must be tinned or crimped.
- To avoid interference, route the extension card wires separately and as far away (at least 15cm) as possible from other control wires, motor wires and power wires, etc. Where these wires must cross each other, please make sure they are at a 90° angle.
- Always use and operate this product within the limit of its specifications.