

DN-8237 Series

Photo-isolated terminal board for ICPDAS two-axis stepper/servo controller



DN-8237GB DN-8237MB DN-8237PB DN-8237YB DN-8237DB

DN-8237GB is for general purpose usage

DN-8237MB is for Mitsubishi servo J2 Amplifier

DN-8237PB is for Panasonic servo minas A Amplifier

DN-8237YB is for Yaskawa servo Amplifier

DN-8237DB is for Delta ASDA A servo Amplifier

Functional Description

The DN -8237 series is a daughter-board that is designed for ICP DAS's 2-axes motion controllers, such as I-8092F and PISO-PS2000. And they are for different motor drivers, such as general purpose usage, Mitsubishi and Panasonic motor amplifier. It is a not only a screw terminal board for easy connection of signals; it also provides onboard isolating circuitry to protect the controllers. Interface signals are divided into four groups. Each group corresponds to a single axis and contains the necessary pulse output command lines, encoder feedback lines, special purpose inputs (Home, near home, limit - switches) and a servo-enable output. Terminal connectors are used for easy wiring purpose. Users can interchange connectors to interchange each axial definition without laborious rewiring. This board also contains onboard power module which provides different voltages for other onboard circuitry. And this power module accepts wide range input power (12 ~ 30 VDC).

Features

- High speed photo-coupling isolated.
- Supporting pulse command type step motors or servo motors.
- Providing power led and other status LEDs (home, limit switches, ...)
- Providing FRnet terminal for high-speed serial I/O expansion when the mother supports FRnet.

Specifications

- **Nominal load** : 0.5 A /24 VDC
- **Input power** : 12 ~30VDC, 0.5A
- **Power Consumption** : 12 W (24 VDC)
- **Dimension** : 223.5mm X 135.5mm
- **Operating Temperature** : -20~+75 deg C
- **Storage Temperature** : -30~+85 deg C
- **Operating Humidity** : 20% to 80 % RH, non-condensing
- **Storage Humidity** : 10% to 90 % RH, non-condensing