



PLSD-2410 Brushless Low-voltage Servo Drive

PLSD-2410 low-voltage servo driver is developed with high-performance processor to provide users with a cost-effective servo control solution. On the premise of ensuring stability and reliability, it pursues the functions and performance that are closest to the application. Compared with stepping products, it has low noise, low heat generation, high speed, constant torque output, and no step loss; compared with stepping servo products, it completely abandons the inherent disadvantages of stepping products, and has better functions, performance and reliability. Excellent; compared with well-known foreign servos, the performance is similar, the price is low, and it is easy to use. PLSD-2410 is small in size and powerful in function. It is especially suitable for high-performance motion requirements and applications with small installation space. It can be customized according to requirements. It is a cost-effective servo drive solution.

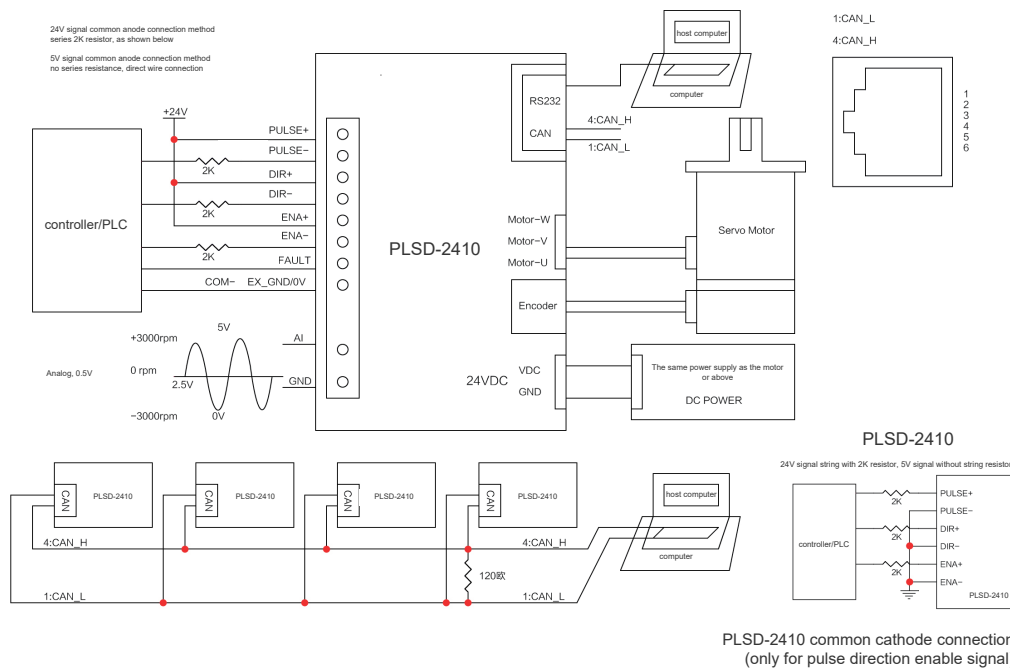
Characteristics

- Working Voltage: 24VDC
- Output Current: peak 10A
- Suitable Motor: 5~100W low voltage DC servo motor, DC brushless motor with encoder or hollow cup motor
- Control Mode: external pulse (single-ended/differential), analog, CANBUS, RS232 communication control IO control, etc., support position speed and torque mode
- Parameter Debugging: RS232 communication, PC debugging software or hand-held debugger debugging can backup and import parameters
- Abnormal Protection: with under-voltage, over-voltage, overload over-current, excessive position deviation encoder abnormality and other alarm functions
- Tracking error: ± 1 pulse
- Speed Control Accuracy: ± 1 PRM
- Receive Pulse Upper Limit: 1MHZ
- Minimum Speed: 1RPM
- Maximum No-load Acceleration: 200PRM/ms

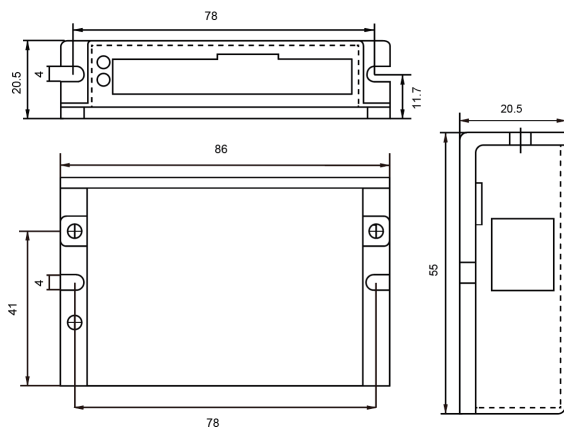
Specifications

Model	Peak current (A)	Voltage (VDC)	Matched Motor	Dimension (mm)	Control Signal
PLSD-2410	10	24	Low Voltage Servo Motor Brushless DC motor with encoder Coreless Servo Motor (100W and below)	86*55*20.5	Pulse (single-ended/differential)/ Analog/ CANBUS/ RS232/ IO

Wiring Diagram



Dimension



Note: The volume can be smaller without installing the shell

Interface Diagram

