





Contents

The Whole Series

Features of B2





Product Hierarchical

Responsive Ability



ASDA-A2 1280000 p/rev (20 bit) 1000Hz 200 w ~5.5 kw



ASDAB2 160000 p/ rev (17 bit) 550 Hz 100 w ~ 3 kw



ASDA-A+
1280000 p/rev
(17/20 bit)
550Hz
4.5 kw~7.5 kw



ASDA-A 10000 p/rev 450 Hz 100 w ~ 3 kw



ASDA-AB 10000 p/rev 450Hz 100 w ~ 2 kw

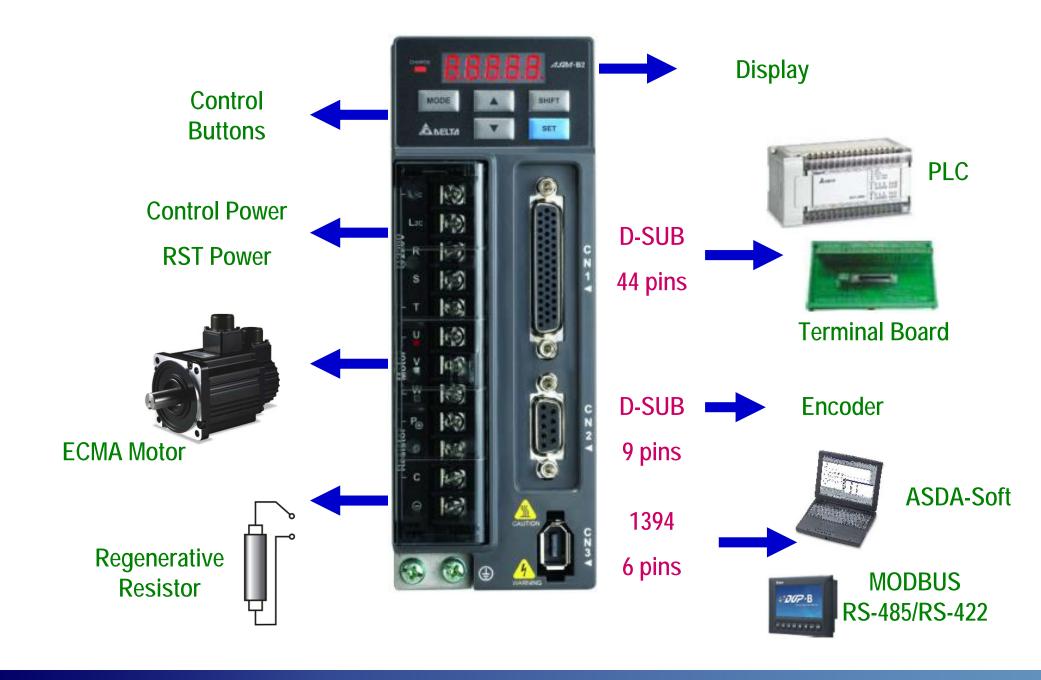


ASDA-B 10000 p/rev 250 Hz 100 w ~ 2 kw

Encoder Resolution



Front View of ASDA-B2





ASDA-B2 Main Features

High Price/Performance Ratio Servo (0.1 KW ~ 3.0 KW)



- High resolution encoder (17-bit level, 160000 pulse/rev).
- Output pulse high to 160000 pulse/rev (AB phase).
- Support input frequency command high to 4 Mpps.
- 9 digital inputs and 6 digital outputs.
- 2 analog inputs and 2 analog outputs.
- Bandwidth 550Hz and 3 Notch Filters supported.
- Friction compensation and bumping protection.
- Position, speed, and torque operation modes.



High Accuracy Encoder

High Precision and Good Low Speed Characteristic

17-bit level, 160000 pulse/revolution.





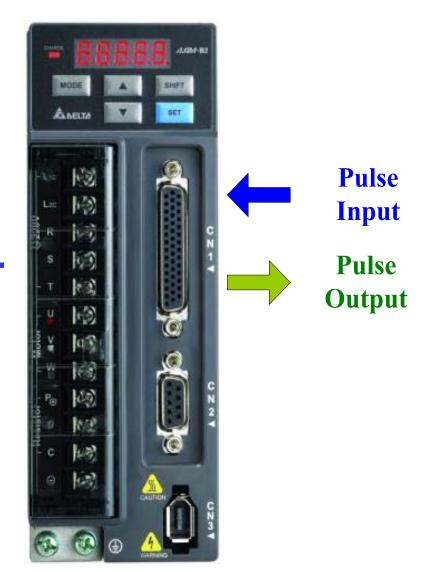
High Frequency Pulse Train

The Frequency of Input Pulse Train

- Frequency could be high to 4 M pps.
- Open collector is 200 K pps.

The Output Pulse Train

 The highest frequency is 160000 pulse/rev.

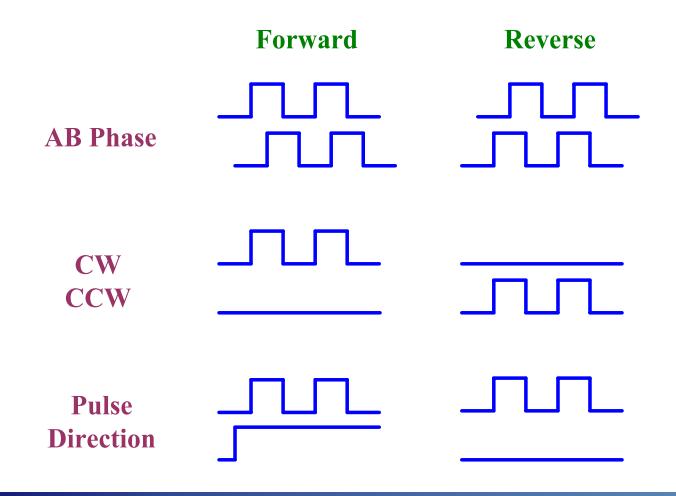




Diversity Kinds of Pulse

Signal and Frequency

- Line drive: 500 Kpps / 4 Mpps (2 channels).
- Open collector: 200 Kpps.





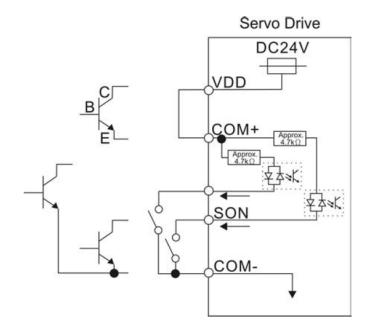
Digital Inputs and Outputs (1)

9 digital inputs and 6 digital outputs

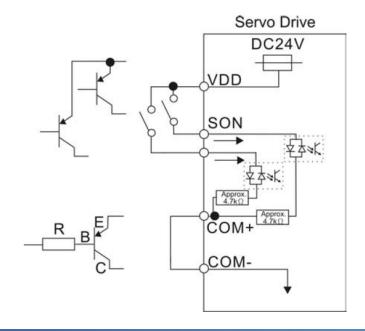
- Both PNP & NPN supported.
- Dry contact for output.

Servo Drive Ensure the polarity(+,-) DC24V of Diode is correct or it may damage the drive. VDD DOX: (DOX+, DOX-) X=1,2,3,4,5DO1: (7, 6) DO2: (5, 4) DO3: (3, 2) DO4: (1, 26) DOX+ DO5: (28, 27) DOX-COM-45

NPN/Sink



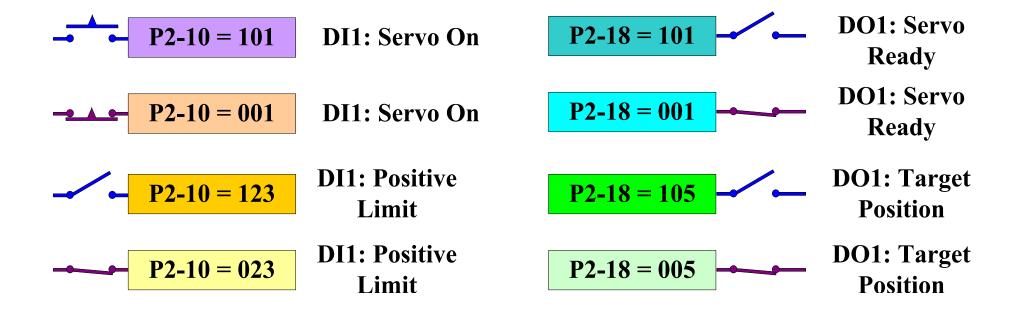
PNP/ Source



Digital Inputs and Outputs (2)

Programmable Inputs and Outputs

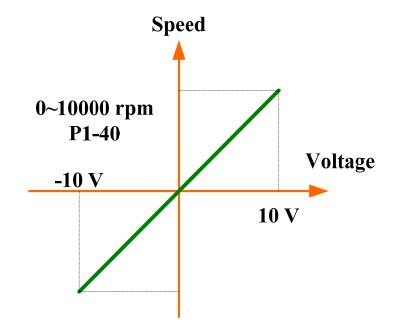
- More flexibility and efficiency of using DI/O.
- Function expanded by function code assigned.



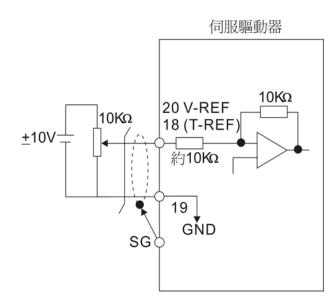
Two Analog Input Channels

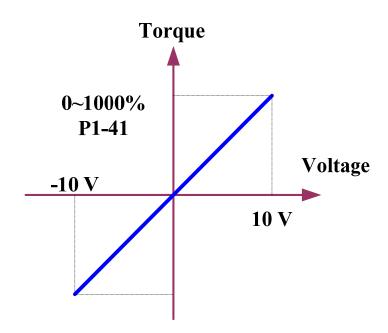
Voltage control Torque or Speed

- Voltage range: -10V ~10V.
- Resolution: 12 bits, 4096 steps.
- The scaling for every step is adjustable.



Analog input channel





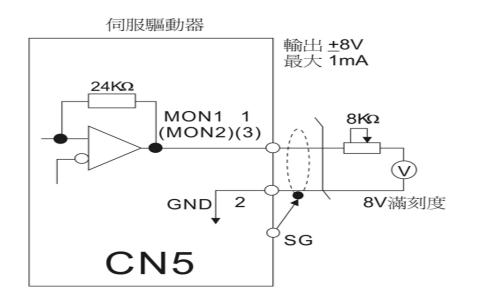


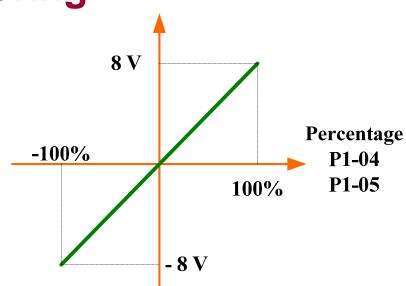
Two Analog Output Channels

Analogous voltage for monitoring

- Range: -8V ~8V.
- Programmable for channel function.
- 10-bit resolution.

Analog output channel





Voltage

Item selected P0-03

0: Speed

1: Torque

2: Frequency of input command

3: Speed command

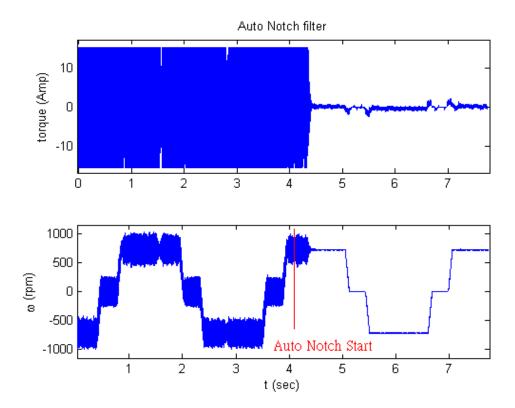
4: Torque command

5: V-Bus

Outstanding Suppression Ability

The Notch Filter

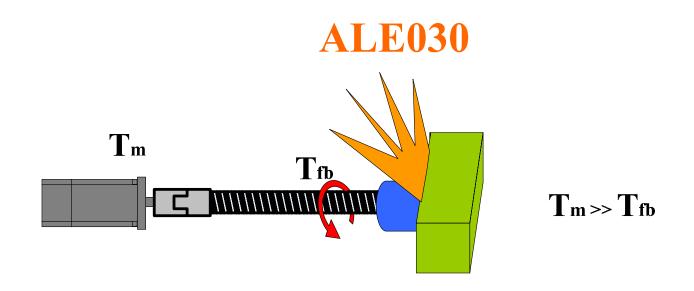
- Two Auto Notch Filters and one manual Notch Filter.
- Use to suppress down the system resonance.





The Bumping Protection

Protection of Impact



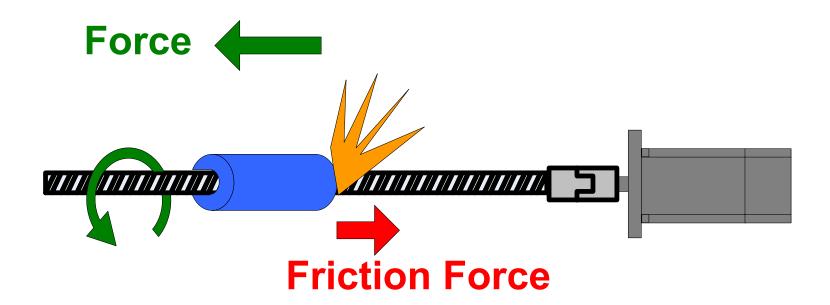
P1-57: Level of bumping force (0~300%)

P1-58: The threshold of bumping time (0~1000ms)



The Friction Force Compensation

Reduce the Affection of Friction Force

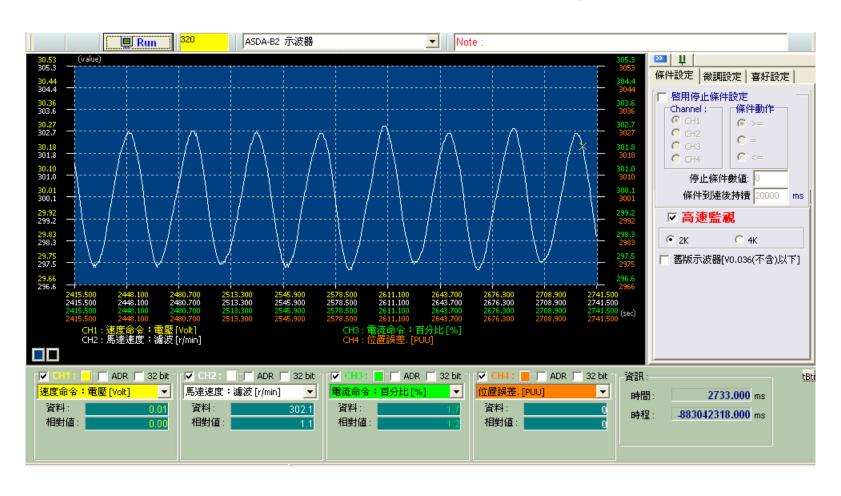




The Software

Parameter Editor and Scope

- Help integrated parameter editor.
- 4 channel scope with sampling rate 2 KHz.





The Operation Modes

Position, Speed, and Torque Modes

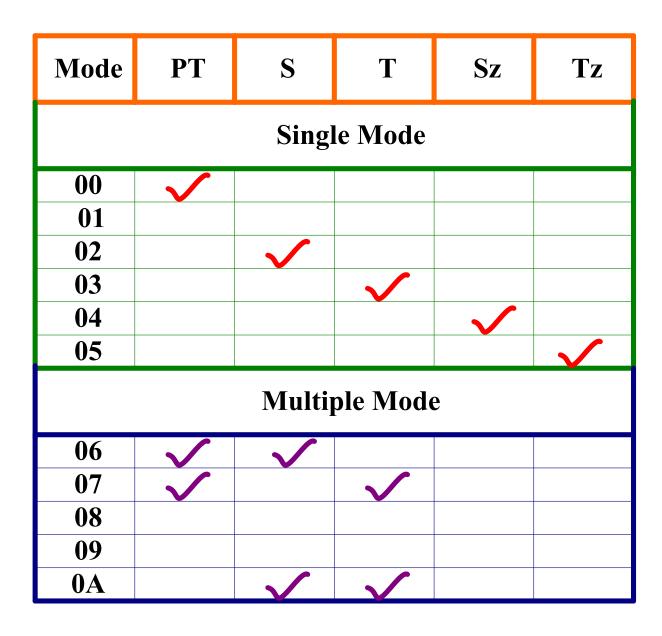
•PT: Position

•S: Speed

•T: Torque

•Sz : Zero/ Internal speed mode

•Tz: Zero/ Internal torque mode





Thank You.

