

Other parameters detailed explanation

Estun Overseas Dept. 2009.06



Contents

- Pn216
- Pn217
- Pn218
- Dynamic adjustment of electronic gear

Pn216 (EDB series)

Pn216	Pins
Bit0	[0]: /S-ON from 1CN-10 [1]: /S-ON from 0900h-Bit0
Bit1	[0]: /P-CON from 1CN-10 [1]: /P-CON from 0900h-Bit1
Bit2	[0]: /P-OT from 1CN-10 [1]: /P-OT from 0900h-Bit2
Bit3	[0]: /N-OT from 1CN-10 [1]: /N-OT from 0900h-Bit3
Bit4	[0]: /ALM-RST from 1CN-10 [1]: /ALM-RST from 0900h-Bit4
Bit5	[0]: /CLR from 1CN-10 [1]: /CLR from 0900h-Bit5
Bit6	[0]: /PCL from 1CN-10 [1]: /PCL from 0900h-Bit6
Bit7	[0]: /NCL from 1CN-10 [1]: /NCL from 0900h-Bit7

Pn216 (EDB series)

- Through setting parameter Pn216, you can use communication input to replace 1CN input. 0900h's bit0~bit7 represent relevant 1CN's the 10~17 pin.

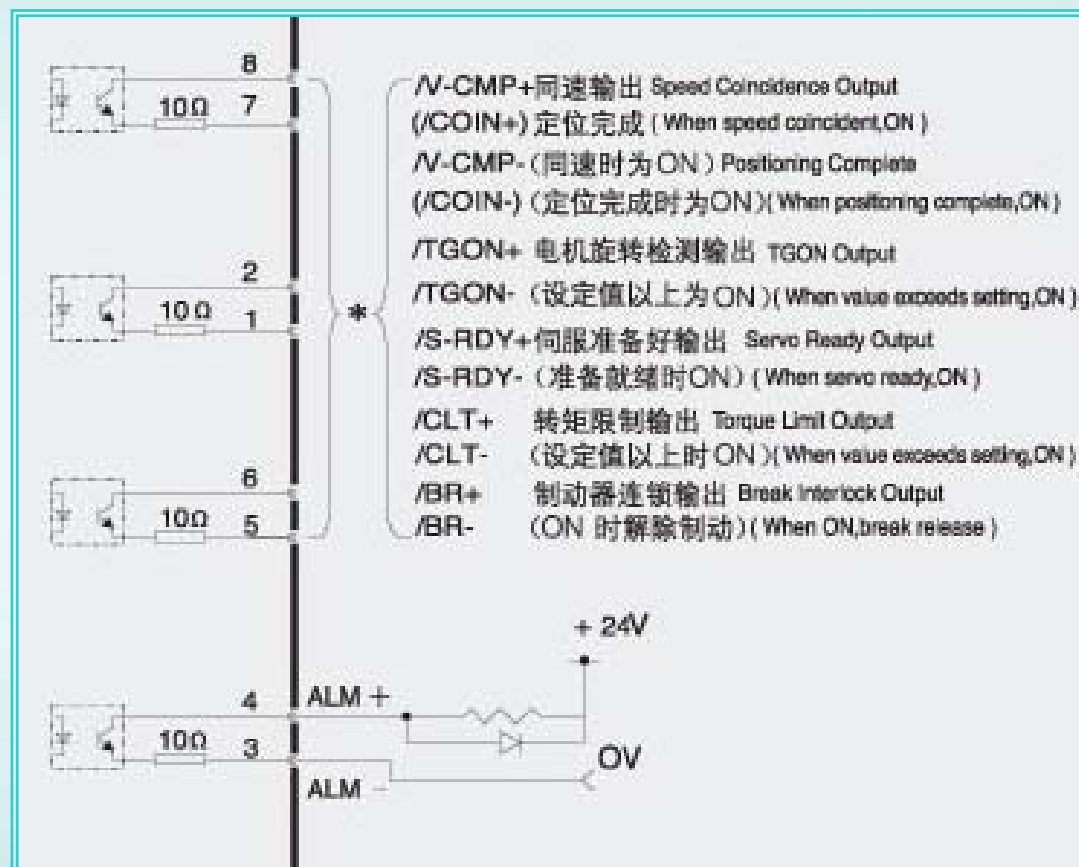
Signal	1CN pins	0900h
/S-ON	10	Bit0
/P-CON	11	Bit1
P-OT	12	Bit2
N-OT	13	Bit3
/ALM-RST	14	Bit4
/CLR	15	Bit5
/PCL	16	Bit6
/NCL	17	Bit7

Pn216 (EDB series)

- For instance:
- 1: If you want to make /S-On through communication, please define Pn216=1 (00000001b) first and re-power on. And then write in 1(00000001b) to 0900h through communication to control /S-ON.
- 2: If you want to use /NCL input through communication, please define Pn216=128(10000000b) first and re-power on. And then write in 128(10000000b) to 0900h to control /NCL.
- 3. If you want to use /S-ON & /P-CON through communication, please define Pn216=3(00000011b) and re-power on. And then write in 3(00000011b) to enable them effected both. If you only want to achieve servo on, please write in 1(00000001b).

Pn217 (EDB series)

- Pn217 is used to reverse the following output signal: 1CN Pin No. (7, 8)、(5, 6)、(1, 2) and (3,4) .
- Four pairs output signal forms a Binary Value. If you want to re-define the output signal, please set relevant decimal value into Pn217.



Pn217 (EDB series)

For instance: If you want to reverse output port of pin 5&6, just set Pn217 as 4 (Binary Value 0100).

	Output Pins			
Pin No.	7, 8	5, 6	1, 2	3,4
Binary Value	0	1	0	0

Pn218 (EDB&EDC series)

- Parameter Pn218 is used to set 'Compatible motor type'. If this parameter is set wrong, A.42 alarm will occur when re-power on.
- Estun new driver can drive different motor with relevant power by changing Compatible motor type parameter Pn218. For instance, driver EDB-10A□A can drive EMJ-10APA□□ or EMG-10APA□□ by changing parameter Pn218.

Pn218 (EDB&EDC series)

Servo driver types	Servo motor types	Pn218
EDB-08A□A	EMJ-08APA□□	0
EDB-10A□A	EMJ-10APA□□	0
EDB-10A□A	EMG-10APA□□	1
EDB-15A□A	EMG-15APA□□	1
EDB-20A□A	EMG-20APA□□	1
EDB-30A□A	EMG-30APA□□	1
EDB-50A□A	EMG-50APA□□	1
EDB-10A□A	EML-10APA□□	2
EDB-20A□A	EML-20APA□□	2
EDB-30A□A	EML-30APA□□	2
EDB-50A□A	EML-40APA□□	2
EDC-02APE	EMJ-02APA□□	0
EDC-04APE	EMJ-04APA□□	0
EDC-08APE	EMJ-08APA□□	0

➤ **Parameter definition**

Dynamic adjustment of electronic gear (EDB series)

Data address	Description	Operation
Hex		
0x 0850	Electronic gear denominator (B gear)	read-write
0x 0851	The first electronic gear numerator (A gear1)	read-write
0x 0852	The second electronic gear numerator (A gear2)	read-write

ESTUN

埃斯顿与您共成长 www.estun.com
Growing Together



Estun Automation Technology Co., Ltd.
ADD: No.155,Jiangjun Rd., JiangNing District,
Nanjing 211100 P.R. China
Tel: +86-25-52785915 Fax: +86-25-
52785576
Email: wangkunlun@estun.com
Website: <http://www.estun-servo.com>

