

Speed: 10~600 Subdivision: 200~25600 DC: 20~80V AC: 20~6



Characteristics		
Input voltage	20~80VDC,20~60VAC	
Output current	1.5~6A ( PEAK )	
Subdivision setting	16 subdivision settings	
weight	200g	
Signal current	6~16mA	
Use environment	-5~50°C , Avoid dust and corrosive gas	
Storage environment	-20~+80°C , Avoid direct sunlight	

Motor and power input			
symbol	definition	Remark	
B-	Stepping motor B-phase winding interface	/	
B+	Stepping motor B+phase winding interface	/	
A-	Stepping motor A-phase winding interface	/	
A+	Stepping motor A+phase winding interface	/	
AC	DC AC common source, : DC 20-80VDC, AC 20-60Vac		
AC	DC AC common source, : DC 20-80VDC, AC 20-60Vac		

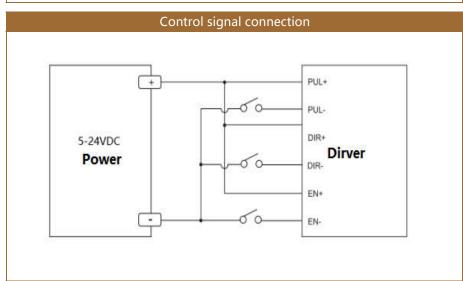
When the offline enable signal is valid, the drive fault is reset, any valid pulse is prohibited, the output power element of the drive is turned off, and the motor has no holding torque.

Overview
Speed setting (within 10~600) subdivision setting: 200~25600
Current setting (within 1.5~6A
Can drive 4-wire, 6-wire and 8-wire motors
With overvoltage, undervoltage, overcurrent, and phase-to-phase short circuit protection fun
Signal input: single-ended pulse/direction
Variable current control greatly reduces motor heating
Photoelectric isolation, differential signal input
With rising edge, falling edge, single and double pulse selection
High response/high speed and low vibration, self-test function

Control signal input terminal		
symbol	definition	Remark
ENBL-	Enable negative input	
ENBL+	Enable Positive Input	
DIR-	Directional negative input	Compatible 5V - 24V level
DIR+	Directional Positive Input	signal
PUL-	Pulse negative input	
PUL+	Pulse Positive Input	
ALM-	Negative output of alarm signal	5V
ALM+	Positive output of alarm signal	٥٧

Dial switch setting				
SW1	SW2	SW3	PEAK	RMS
OFF	OFF	OFF	Defau	lt ( 1A )
ON	OFF	OFF	2.1A	1.5A
OFF	ON	OFF	2.7A	1.9A
ON	ON	OFF	3.2A	2.3A
OFF	OFF	ON	3.8A	2.7A
ON	OFF	ON	4.3A	3.1A
OFF	ON	ON	4.9A	3.5A
ON	ON	ON	6A	4.3A

SW4: The quiescent current can be set with the SW4 dip switch, OFF means that the quiescent current is set to half of the dynamic current, and ON means that the quiescent current is the same as the dynamic current. In general use, SW4 should be set to ON, so that the heating of the motor and the driver is reduced, and the reliability is improved. About 400ms after the pulsetrain stops, the left and right currents are automatically reduced to about half (60% of the actual value), and the calorific value is reduced to 30% in theory.

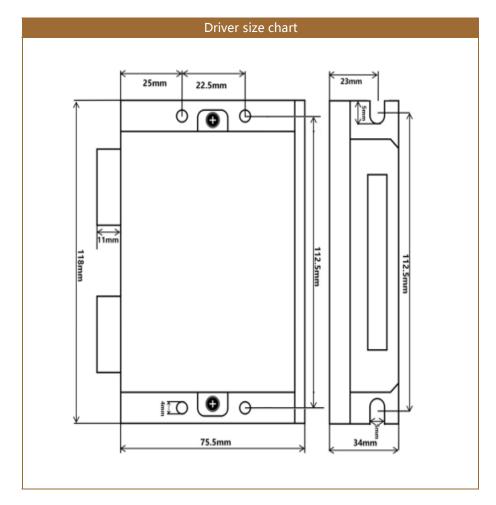


Fine division setting					
IO/RPM	SW5	SW6	SW7	SW8	Pulse/rew
10	ON	ON	ON	ON	Default[200]
20	OFF	ON	ON	ON	400
30	ON	OFF	ON	ON	800
40	OFF	OFF	ON	ON	1600
50	ON	ON	OFF	ON	3200
60	OFF	ON	OFF	ON	6400
80	ON	OFF	OFF	ON	12800
100	OFF	OFF	OFF	ON	25600
120	ON	ON	ON	OFF	1000
150	OFF	ON	ON	OFF	2000
200	ON	OFF	ON	OFF	4000
250	OFF	OFF	ON	OFF	5000
300	ON	ON	OFF	OFF	8000
350	OFF	ON	OFF	OFF	10000
450	ON	OFF	OFF	OFF	20000
600	OFF	OFF	OFF	OFF	25000

Function setting	
SW9:off=Falling Edge is valid;on=Rising Edge is valid	
SW10:off=4ms ( High response ) ;on=10ms ( Low vibration )	

Mode setting			
mode sel	SW11	SW12	
IO internal spontaneous pulse	ON	ON	
Self-test	ON	OFF	
Double pulse	OFF	ON	
Pulse + direction	OFF	OFF	

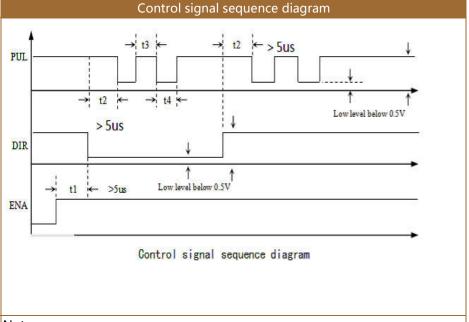
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There should be a space of 20mm around, and it should not be placed next to other heating equipment. Avoid dust, oil mist, corrosive gas, excessive humidity and strong vibration.

Alarm instructions				
Serial number	Number of flashe	Name	illustrate	
1	1		Overcurrent or phase- to-	
2	2		Overpressure	
3	3		\	
4	4		Open electrode or poor contact	



#### Note:

- T1: ENA (enable signal) should be determined to be high by a DIR of at least 5  $\mu$ s.In general, it is recommended that ENA+ and ENA- be left floating.
- T2: DIR determines its state high or low at least 1µs along the PUL falling edge.
- T3: The pulse width is at least not less than 1.5 µs.
- T4: The low level width is not less than 1.5µs.

Problems and handle the law				
phenomenon	reason	solution		
	Power light is not lit	Check the power supply circuit, normal power supply		
The motor does	Motor shaft is powerful	The pulse signal is weak and the signal current is increased to 7-16mA.		
not run	Subdivision is too small	Selective segmentation		
	Current setting is too small	Selective current		
	Drive is protected	Power on again		
	Enable signal is low	This signal is pulled high or not		
	Does not respond to control signals	No power		
Motor steering error	Motor line is wrong	Any two wires of the same phase of theexchange motor (A+ A-exchange position)		
	The motor line has an open circuit	Check and pick up		
	Motor line is wrong	Check wiring		
Alarm indicator is on	Voltage is too high or too low	Check the power supply		
OII	Motor or drive damage	Replace the motor or drive		
	Signal interference	Eliminate interference		
Inaccurate	The shield is not connected or not connected	Reliable grounding		
location	The motor line has an open circuit	Check and pick up		
	Subdivision error	Set the subdivision		
	Small current	Increase current		
Caall and an abo	Acceleration time is too short	Accelerated acceleration time		
Stall when the motor	Motor torque is too small	Select a large torque motor		
accelerates	Low voltage or too small current	Appropriately increase the voltage or current		

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