

High torque servo series ASME-02 series PPM PULSE/Analog Voltage Control

WINGXINE

ebay ID : wingxine

<http://www.aliexpress.com/store/325585>

Application: Robot, mechanical arm, production line, the camera haeundae control robot



FEATURES

- wireless remote control and analog voltage control
- Metal gear high torque output
- Current limiting control
- Installation is simple, strong and durable

Application

- Large arm of the robot joints and heavy load of leg joint movement control
- Industrial automation production line robot control
- Accurate control of the valve Angle
- Large camera haeundae remote control

RECOMMENDED OPERATING CONDITIONS

Parameter		
Operating Voltage	12V~24V/DC (30V/MAX)	
No-load current	<500mA	
Limit Angle	±135° or 0°~270° (MAX)	
Control mode	PPM mode	1ms pulse mode:1ms~2ms(pulse width)/50Hz 2ms pulse mode:0.5ms~2.5ms(pulse width)/50H
	voltage mode	0V-5V input voltage (0V to 0°,5V to 270°)
Material	Gear and shaft: alloy steel; gear box: aluminum	
Weight	550g	
Dimension	95mm*60mm*110mm	
Mechanical Life	> 1,000,000/full load (conservative values)	

ABSOLUTE MAXIMUM RATINGS

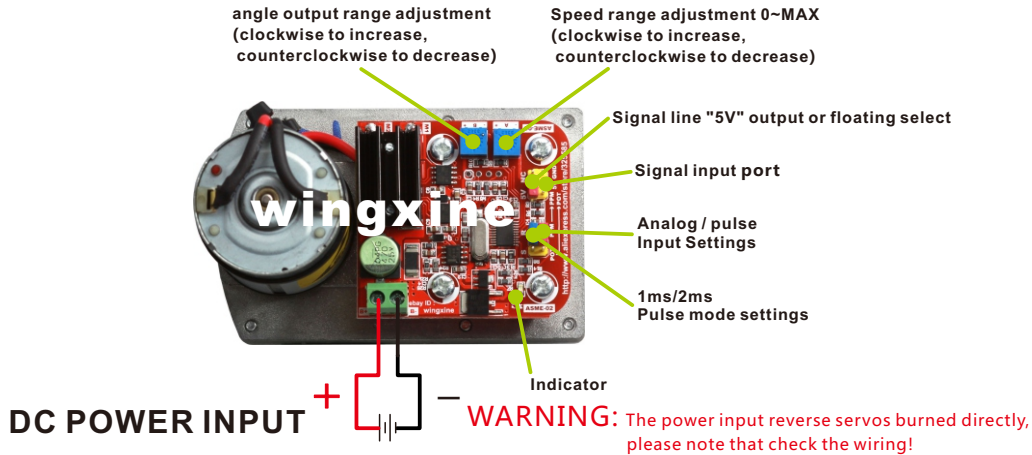
Parameter		
limit input voltage	11V~30V/DC (MAX)	
limited output current	5A±0.2A (MAX)	
limit Angle	±135° or 0°~270° (MAX)	
Control mode	PPM mode	1ms pulse mode : 1ms~2ms(pulse width)/50Hz~100Hz 2ms pulse mode : 0.5ms~2.5ms(pulse width)/50Hz~100Hz
	voltage mode	0V-5V input voltage (0V to 0°,5V to 270°)
Weight	510g~560g	

Models and Specifications

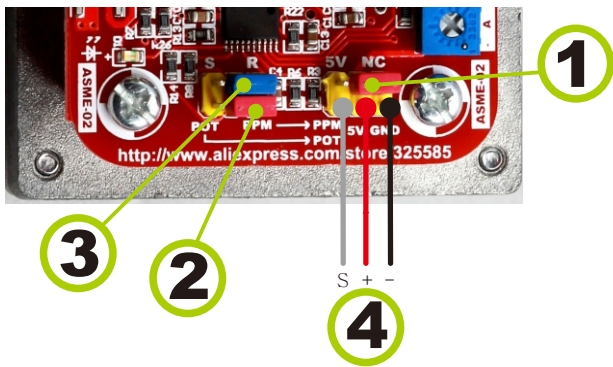
Models	Starting Torque	Holding Torque	Rated speed(24Vpower)
ASME-02A	260kg.cm max	220kg.cm max	0.0s~0.12s/60°MAX(ADJ)
ASME-02B	380kg.cm max	340kg.cm max	0.0s~0.5s/60°MAX(ADJ)

ALFS

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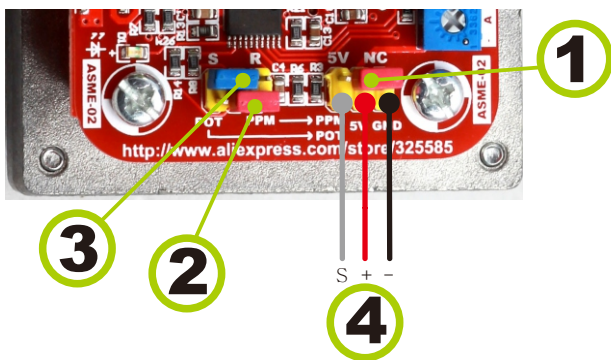
PPM MODE ("1ms" Pulse Width Mode)



- 1, the jumper settings "NC" position.
- 2, the jumper settings "PPM" position.
- 3, the jumper is set in "R" position.
- 4,
 - (1)"PPM" pin is signal input .
(Servo controller "S" pin or remote receiver "S" pin, generally are used on model aircraft "S" indicates)
 - (2)"GND" pin connected to negative signal line.
(Servo controller "-" foot or remote control receiver "-" feet, generally are used on model aircraft "-" indicates)

Warning: Because the servos is an independent power supply, no electricity from the signal line to go so "+" does not require wiring.

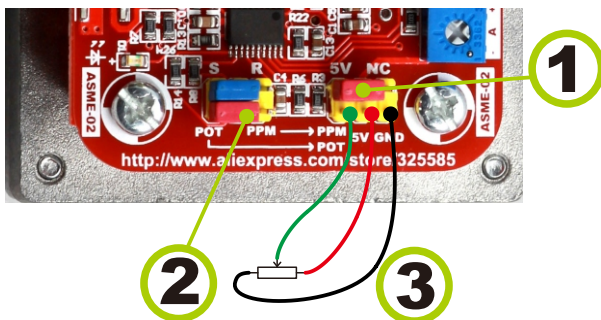
PPM MODE ("1ms" Pulse Width Mode)



- 1, the jumper settings "NC" position.
- 2, the jumper settings "PPM" position.
- 3, the jumper is set in "S" position.
- 4,
 - (1)"PPM" pin is signal input .
(Servo controller "S" pin or remote receiver "S" pin, generally are used on model aircraft "S" indicates)
 - (2)"GND" pin connected to negative signal line.
(Servo controller "-" foot or remote control receiver "-" feet, generally are used on model aircraft "-" indicates)

Warning: Because the servos is an independent power supply, no electricity from the signal line to go so "+" does not require wiring.

Voltage input or Potentiometer input MODE



- 1, the jumper settings "5V" position.
 - 2, the jumper settings "POT" position.
 - 3,
 - (1) signal input terminal labeled "POT" pin is connected to the potentiometer wiper.
 - (2) labeled "5V" and "GND" pins are connected to the potentiometer two fixed ends.
- If the input voltage directly controls the time to pick "5V" pin "the 1st position" jumpers set in the "NC" position, just pick "POT" and "GND" pin. Input voltage range of 0V to +5 V (DC).

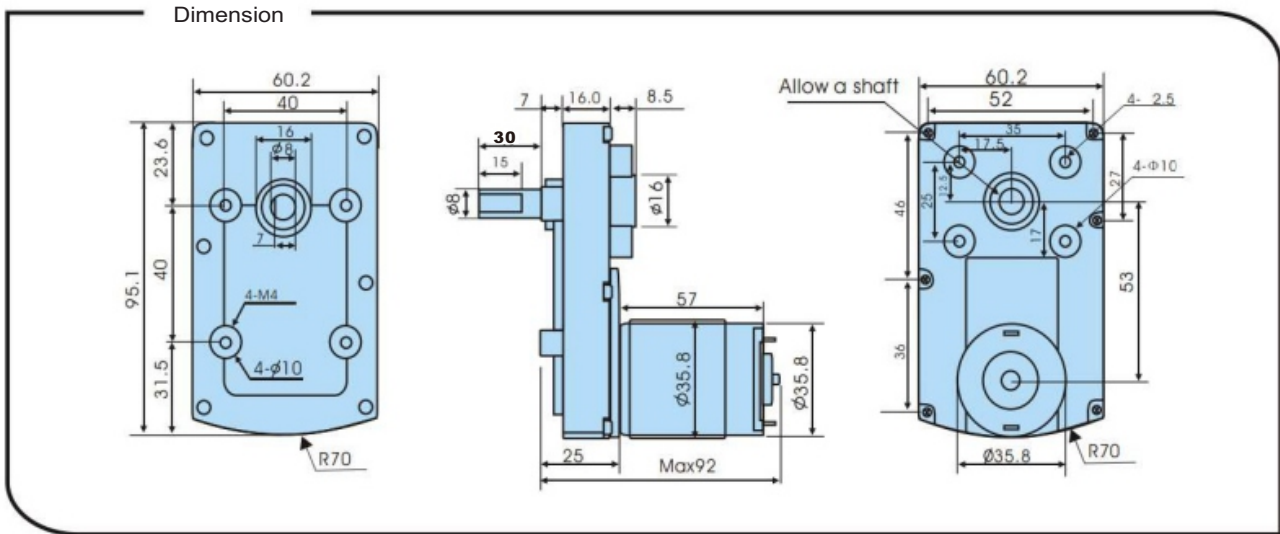
WARNING: 1, the servos output "+5 V" power supply can only meet the potentiometer used to supply power to prohibit the use of servos for him.
 2, the potentiometer: 10k, 50k, 100k, 10k is greater than the resistance of the potentiometer.

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