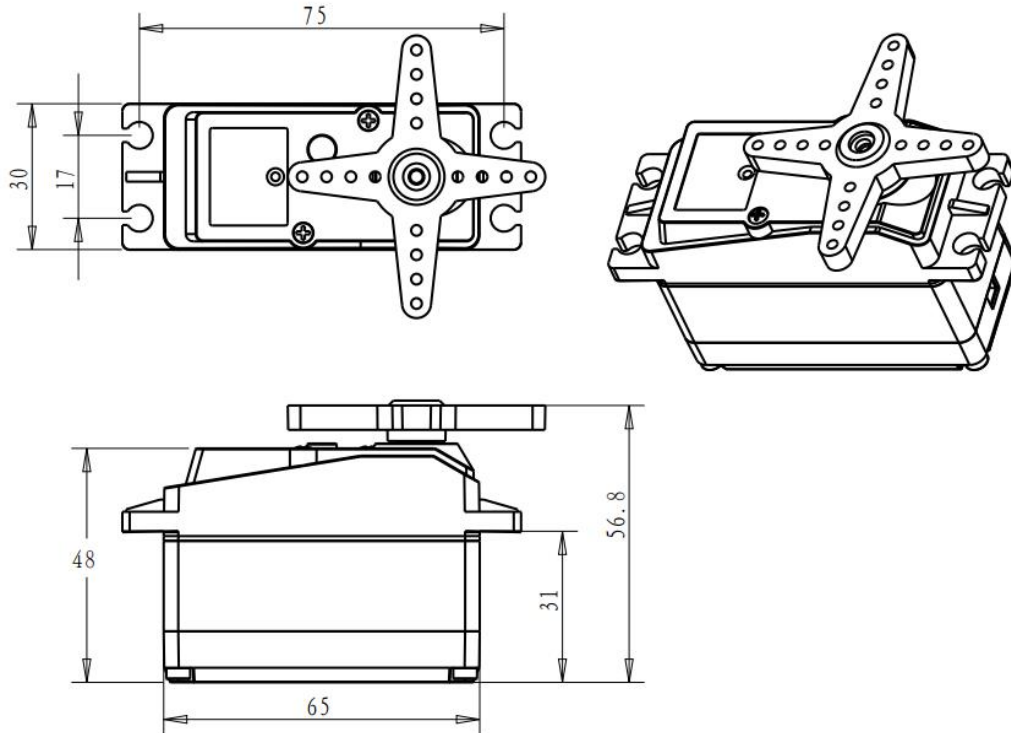


Product Name: DS5160Product Description: 7.4V 60kg RC Digital Servo

Drawing:



1. Apply Environmental Condition

No.	Item	Specification
1-1	Storage Temperature Range	-30℃ ~ 80℃
1-2	Operating Temperature Range	-15℃ ~ 70℃
1-3	Operating Voltage Range	6-8.4V

2. Mechanical Specification

No.	Item	Specification
2-1	Size	65*30*48mm
2-2	Weight	158g
2-3	Gear ratio	279
2-4	Bearing	Double bearing
2-5	Connector wire	300±5mm
2-6	Motor	3-pole(s)
2-7	Waterproof performance	IP67

More information please contact with us:servomaker@hotmail.com



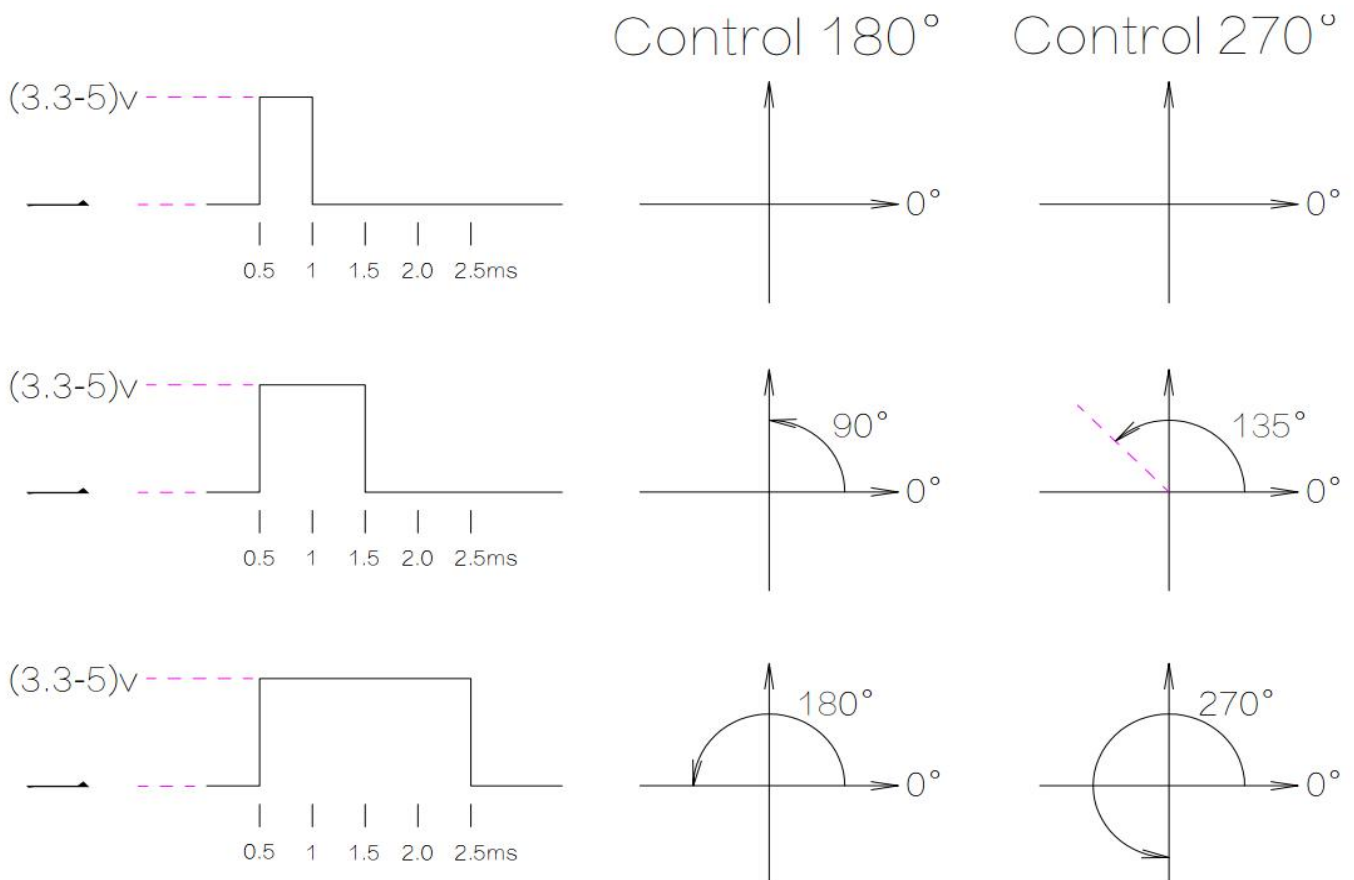
3. Electrical Specification

No.	Operating Voltage	6V	7.4V	8.4V
3-1	Idle current(at stopped)	4mA	5mA	6mA
3-2	Operating speed (at no load)	0.17 sec/60°	0.15sec/60°	0.13sec/60°
3-3	Stall torque (at locked)	58 kg-cm	65 kg-cm	70 kg-cm
3-4	Stall current (at locked)	3.5A	5A	6.2A

4. Control Specification

No.	Item	Specification
4-1	Control System	PWM(Pulse width modification)
4-2	Pulse width range	500~2500μsec
4-3	Neutral position	1500μsec
4-4	Running degree	180° or 270° (when 500~2500 μ sec)
4-5	Dead band width	3 μsec
4-6	Operating frequency	50-330Hz
4-7	Rotating direction	Counterclockwise (when 500~2500 μsec)

5. About PWM Control



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