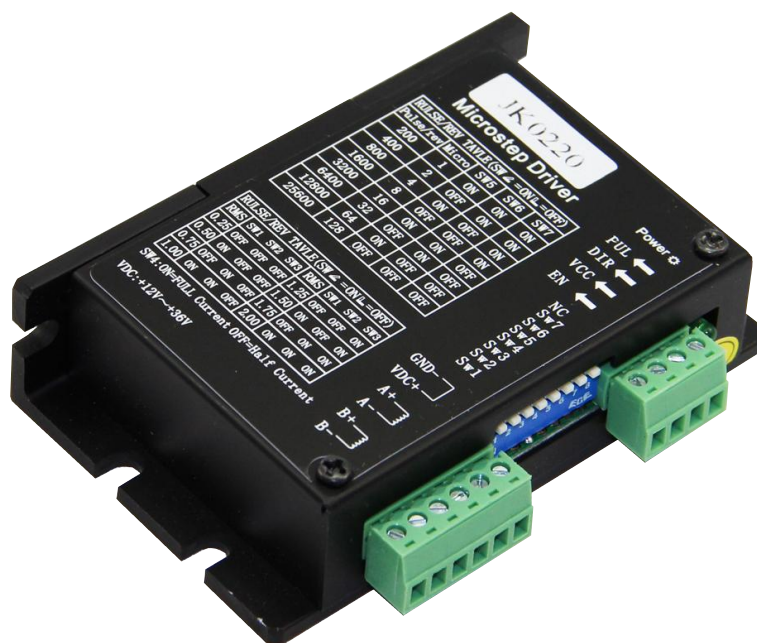# Manual

Nema 17 Stepper Driver

Model#-JK0220

JK0220   2-Phase Mircostepping Motor Driver

Characteristics：

1.DC power input type:12V~36VDC ,

2.Output current:0.25A-2.0A

Mircostepping:1(1.8º)、1/2、1/4、1/8、1/16、1/32、1/64、1/128

Pulse/rev: 200,400,800,1600,3200,6400,12800,25600

3.Dimensions：96mm×60mm×24.5mm

4.Weight：<200g.

5.Working environment：Temperature-15～80℃

I/O Ports：

1.GND,：VDC+: it input DC power

Note:Must guard against exceeding 36V,
so as not to damage the module

2.A+、A-：Stepping motor one winding

3.B+、B-：Stepping motor other winding

4.PUL ：Stepping pulse input

5.DIR：Stepping motor direction input

6.VCC：power supply port for inside optical coupling

7.EN: motor free

NOTE：

1. When ambient temperature is high or working current over 1.05A,   fix the module on big metal shell ,
   or use axle flows fan dispels the heat, to make the module run reliably for a long time.

2. Half current automatically: if control machine not send out signal   in half second, driver enter half
   current state of automatically for electricity saving, the phase current of the winding of the electric

Switch Choice:

1、Microstepping choice:

SW5	On	Off	On	Off	On	Off	On	Off
SW6	On	On	Off	Off	On	On	Off	Off
SW7	On	On	On	On	Off	off	Off	Off
Micro	1	2	4	8	16	32	64	128

2、Current choice：

SW1	Off	On	Off	On	Off	On	Off	On
SW2	Off	Off	On	On	Off	Off	On	On
SW3	Off	Off	Off	Off	On	On	On	On
Current（A）	0.25	0.5	0.75	1.00	1.25	1.50	1.75	2.00