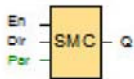


## Stepping Motor Control



Generate pulse signal to drive stepping motor.

Connection	Description
Input <b>En</b>	0 : Stop to generate pulse signal. 1 : Start to generate pulse signal.
Input <b>Dir</b>	0 : CW (clock_wise) 1 : CCW (count clock-wise)
Parameter	<b>Mode</b> : Half step (1-2 phase excite megatic, each step 0.9 degree) Full step (1-2 phase excite megatic, each step 1.8 degree) <b>Pin</b> : Q0~Q3 Q4~Q7 <b>Speed</b> : 0.005 ms/step (Half step mode) 0.01 ms/step (Full step mode) Value range : 0 ~ 99999999
Output <b>Q</b>	Q is set and reset according to the Input En.

### Parameters Period T

The Speed can be provided by the actual value of another programmed function.

### Example

Set stepping motor 1000ms per circle(360 dgree).

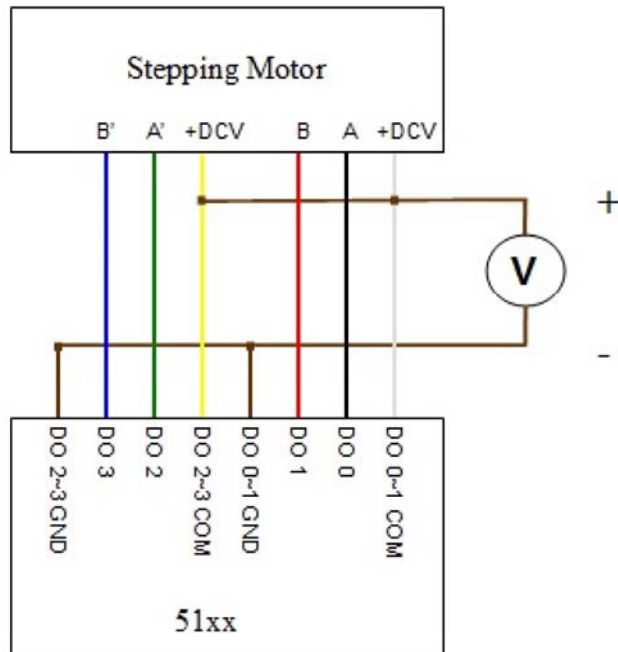
- Mode = Half step  
A circle = 360 degree = 0.9(degree/step) x 400(step)  
--> 1000 ms needs to send 400 steps (pulses)  
--> A step need 1000/400 = 2.5 ms  
--> Speed = 2.5 / 0.005 = 500
- Mode = Full step  
A circle = 360 degree = 1.8(degree/step) x 200(step)

--> 1000 ms needs to send 200 steps (pulses)

--> A step need  $1000/200 = 5$  ms

--> Period  $T = 5 / 0.01 = 500$

## Connection



\* Only support 0.9 or 1.8 degree two phases of six wired stepping motor.