

## Motor Controller Instruction

Function	Description
Pulse/rev setting	Set by SW5-SW8, 15choices. Before being processed this setting, the controller should be stopped working.
Current setting	Set by SW1—SW3, totally 8 choices
Auto half-current	<b>Set by SW4</b> <b>OFF --- static current is half dynamic current(50%)</b> <b>ON --- static current is same as dynamic current(100%)</b> <b>This is to decrease the heat, so that improve reliability.</b> <b>Set to OFF: 0.4 second after every pulse stops(goes into “static” state), the current will be half-current(near 60%), and by this way the heat will be 36% only.</b>
Signal connection	1> PUL+/PUL- for pulse 2> DIR+/ DIR- for Direction 3> ENA+/ ENA- for Enability
Power connection	1> A+/A- for Phase 1 2> B+/B- for Phase 2 3> If exchange 1 and 2, the motor will reverse its rotating direction.
Power input	20~40VDC, above 100watt
Indicator	1> Green indicator for power 2> Red for malfunction, such as over current or over voltage. When malfunction happens, you need to re-power or re-enable the controller to solve it.
Installation	1> Size: 118x75.5x34mm 2> Keep close touch to metal machine, for good heat dissipation.

### Current table(Peak=RMSx 1.4)

Peak	RMS	SW1	SW2	SW3
1.1A	0.8A	on	on	on
1.4A	1.0A	off	on	on
1.7A	1.2A	on	off	on
2.0A	1.4A	off	off	on
2.3A	1.6A	on	on	off
2.6A	1.9A	off	on	off
2.9A	2.1A	on	off	off
3.2A	2.3A	off	off	off

### Pulse/rev Table

Pulse/rev	SW5	SW6	SW7	SW8
400	off	on	on	on
800	on	off	on	on
1600	off	off	on	on
3200	on	on	off	on
6400	off	on	off	on
12800	on	off	off	on
25600	off	off	off	on
1000	on	on	on	off
2000	off	on	on	off
4000	on	off	on	off
5000	off	off	on	off
8000	on	on	off	off
10000	off	on	off	off
20000	on	off	off	off
25000	off	off	off	off

### Installation Size

