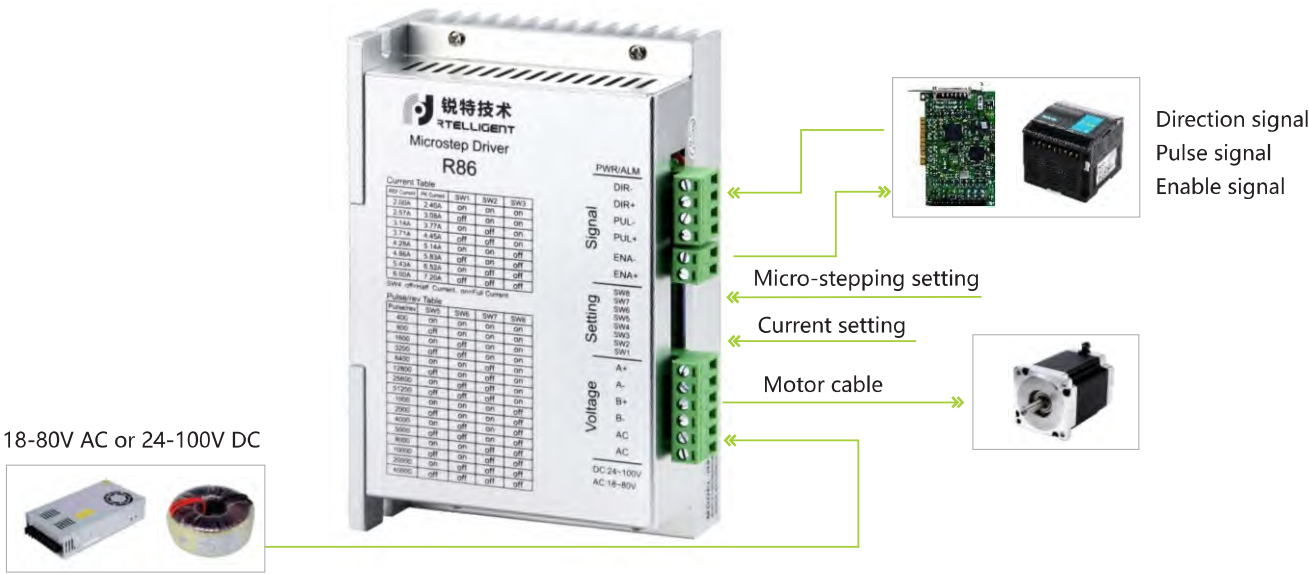


R86

The R86 digital 2-phase stepper drive is based on 32-bit DSP platform,with built-in micro-stepping technology & auto tuning of parameters. The drive features low noise, low vibration, low heating and high-speed high torque output. It is used to drive two-phase stepper motors base below 86mm.

- Pulse mode: PUL&DIR
- Signal level: 3.3~24V compatible; series resistance not required for the application of PLC.
- Power voltage: 24~100V DC or 18~80V AC; 60V AC recommended.
- Typical applications: engraving machine, labeling machine, cutting machine, plotter, laser, automatic assembly equipment, etc.

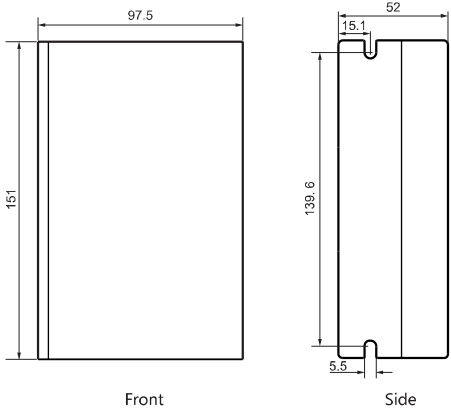
Drive Interface & Connection



Working Current Setting

Output current peak	Output current RMS	SW1	SW2	SW3
2.40A	2.00A	on	on	on
3.08A	2.57A	off	on	on
3.77A	3.14A	on	off	on
4.45A	3.71A	off	off	on
5.14A	4.28A	on	on	off
5.83A	4.86A	off	on	off
6.52A	5.43A	on	off	off
7.20A	6.00A	off	off	off

Installation Dimension



Semi-/full Current Selection

	SW4
off Semi-current	The idle current is half of the operating current
on Full Current	The idle current is equal to the operating current

Micro-stepping Setting

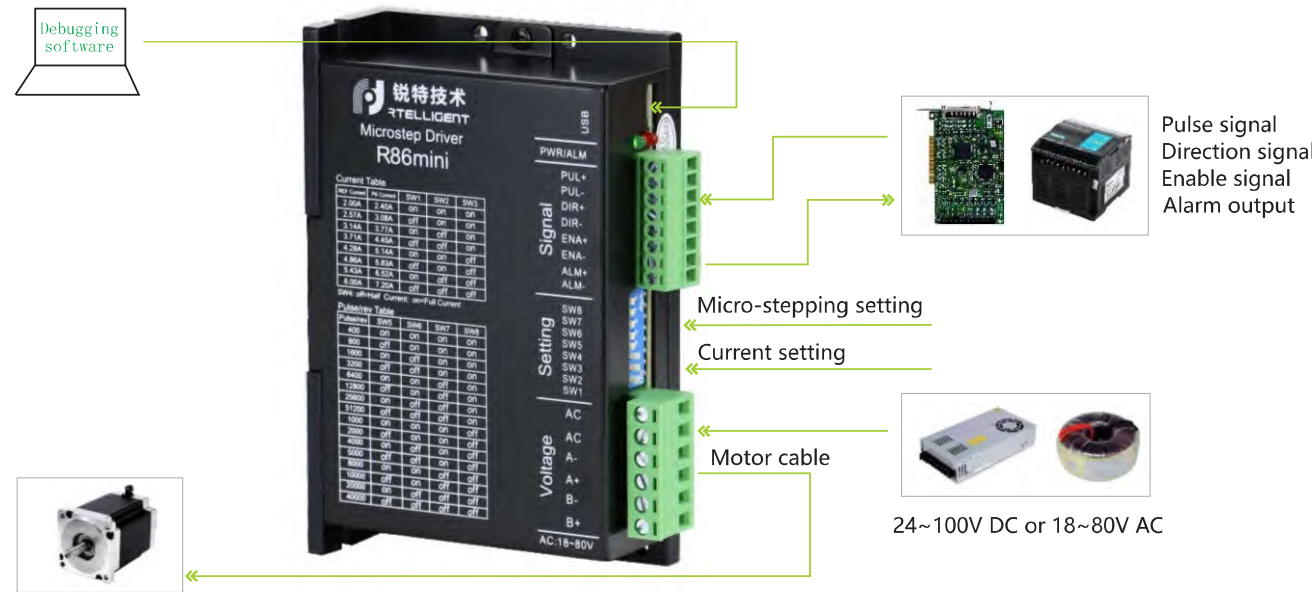
Pulse/rev	SW5	SW6	SW7	SW8
400	on	on	on	on
800	off	on	on	on
1600	on	off	on	on
3200	off	off	on	on
6400	on	on	off	on
12800	off	on	off	on
25600	on	off	off	on
51200	off	off	off	on
1000	on	on	on	off
2000	off	on	on	off
4000	on	off	on	off
5000	off	off	on	off
8000	on	on	off	off
10000	off	on	off	off
20000	on	off	off	off
40000	off	off	off	off

R86MINI

Compared with R86, the R86mini digital two-phase stepper drive adds alarm output and USB debugging ports. smaller size, easier to use. R86mini is used to drive two-phase stepper motors base below 86mm.

- Pulse mode: PUL & DIR
- Signal level: 3.3~24V compatible; series resistance not required for the application of PLC.
- Power voltage: 24~100V DC or 18~80V AC; 60V AC recommended.
- Typical applications: engraving machine, labeling machine, cutting machine, plotter, laser, automatic assembly equipment, etc.

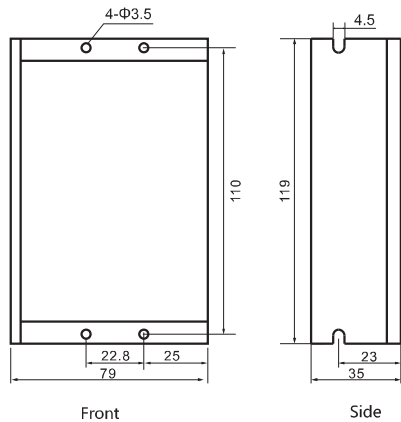
Drive Interface & Connection



Working Current Setting

Output current peak	Output current RMS	SW1	SW2	SW3
2.40A	2.00A	on	on	on
3.08A	2.57A	off	on	on
3.77A	3.14A	on	off	on
4.45A	3.71A	off	off	on
5.14A	4.28A	on	on	off
5.83A	4.86A	off	on	off
6.52A	5.43A	on	off	off
7.20A	6.00A	off	off	off

Installation Dimension



Semi-/full Current Selection

	SW4
off Semi-current	The idle current is half of the operating current
on Full Current	The idle current is equal to the operating current

Micro-stepping Setting

Pulse/rev	SW5	SW6	SW7	SW8
400	on	on	on	on
800	off	on	on	on
1600	on	off	on	on
3200	off	off	on	on
6400	on	on	off	on
12800	off	on	off	on
25600	on	off	off	on
51200	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
40000	off	off	off	off