

**Overview:**

B804 is suitable for driving voltage 12V-60V DC, current below 6A and outside diameter 57-86mm. 4 wire, 6 wire and 8 wire, two-phase stepping motors.

**Main application areas:**

Widely used in the field of terminal machines and wire strippers, especially suitable for high speed requirements.

**Features:**

High cost performance, high torque, fast response

Fault phase protection, overcurrent protection

Miniaturized, high power, easy to install

Optically isolated signal input

Single/double pulse settings

Automatic low-power operation at rest

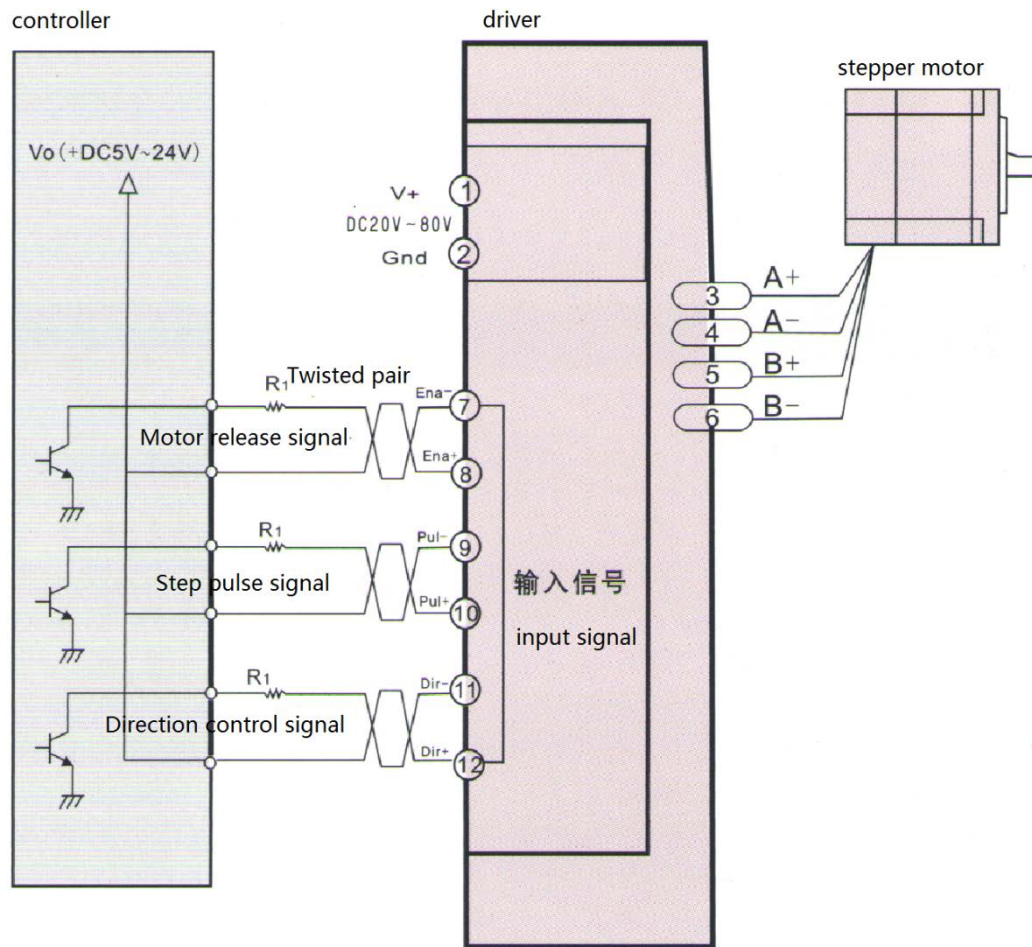
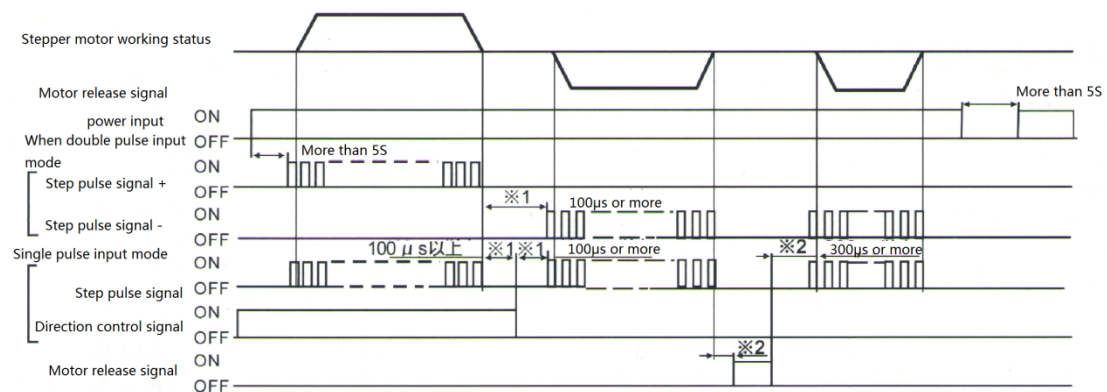
Single power input, voltage range:12V-60V DC

**Electrical Specifications (Tj = 25°C/77°F)**

Type	B804			
	Min	Typical	Max	Unit
Output current	1.9	-	4.0	A
Supply voltage	+12	+	+60	VDC
Logic signal current	7	10	16	mA
Pulse input frequency	0	-	300	kHz
Isolation resistance	500			Mohm

**Environmental indicators:**

environmental factor	Environmental indicators
cooling method	Natural cooling or forced cooling
Use occasion	Avoid dust, oil and corrosive gases
Operating temperature	10°C-+50°C
environment humidity	90%RH(no condensation)
humidity	5.7m/S2max
storage temperature	-20°C-+65°C

**Drive connection diagram:****Pulse timing diagram:**

**Parameter setting:**

The driver is set by 8 dial switches: step selection, drive current, half/full current, single/double pulse.

SW1	SW2	SW3	SW4	SW5	SW6	SW7	SW8
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SW2: single/double pulse.

SW3: step selection

SW4: half/full current

SW6,SW7,SW8: drive current

**Output current selection:**

The maximum output current of the driver is 6A/phase(peak value),

By 3-digit dial switch, 8 current levels can be set. From 1.8A to 6A (see current selection table for details) to suit different motors.

SW6	SW7	SW8	B804
OFF	OFF	OFF	1.9A
ON	OFF	OFF	2.2A
OFF	ON	OFF	2.5A
ON	ON	OFF	2.8A
OFF	OFF	ON	3.1A
ON	OFF	ON	3.4A
OFF	ON	ON	3.7A
ON	ON	ON	4.0A

**single/double pulse setting:**

SW2	
ON	double pulse
OFF	single pulse

**step selection:**

SW3	
ON	half step
OFF	full step

**half/full current:**

SW4	
ON	full current
OFF	half current

**LEC lock current adjustment:**

Adjustment range: 0-100%

**Mechanical Specifications** (unit: mm     1 inch = 25.4 mm)

