

电子式瞬时刹车器

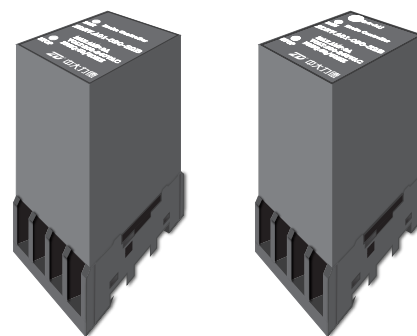
Digital AC Speed Controller for Brake Motor

使用说明书

Operation Instruction

致用户：感谢您购买使用本产品，为保证安全及正确操作，在使用前请务必仔细阅读此说明书。

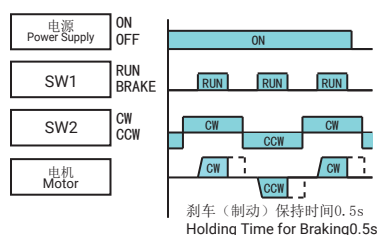
To Our Clients: thank you for purchasing our products, please read this Operation Instruction in order to ensure the safe and correct operation before the usage.



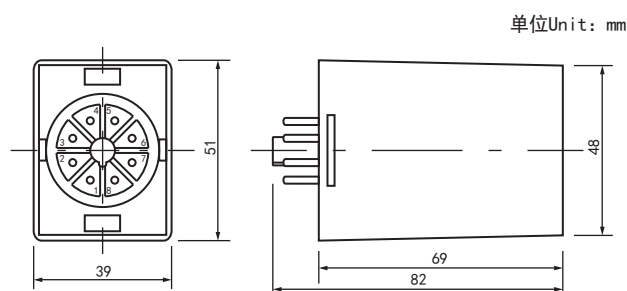
规格表 Specification

型号 Model	电压(V) Voltage(V)	相数 Quantity of Phase	刹车保持力 Brake Retention	刹车精度 Accuracy of Brake	电机功率(W) Motor Power(W)	工作环境温度 Work Environment Temp.	配件电阻 Resistor
ZDRV.A01-090S2-B	220	1øSingle Phase	0.5S	200°	6-90	-10℃~+40℃	1*50W/50Ω
							1*25W/200Ω

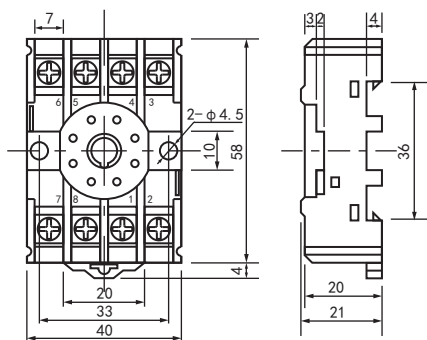
运转时序图 Operation Sequence



外形尺寸图 Outline Drawing



脚座 Base



制动原理 Brake Principle

电子刹车回路的原理：将经过半波整流的脉动直流引入电机，产生定向磁场，使电机瞬间停止。制动电流是由控制器产生，仅在短时间内流入电机，而后便无作用。制动电流流入电机的时间（约0.5秒）是由控制器内的定时电路控制。因为是用电气特性来实现刹车，所以零件之间不会产生磨损，因此延长了电机的使用寿命。

The principle of electric braking circuit: after the half-wave rectification, the pulsed direct current goes into a motor and generates a directional magnetic field which could stop the motor instantly. The reverse braking current which is generated by a controller will go into a motor in short time and will have not have any further influence later. The time (about 0.5 S) of braking current in a motor will be controlled by the timer circuit in a controller. Thus, it can extend the usage life of a motor because its brake function is realized by its electrical characteristics which will not have the problem of parts wearing.

使用频率及界限 Use Frequency and Limitation

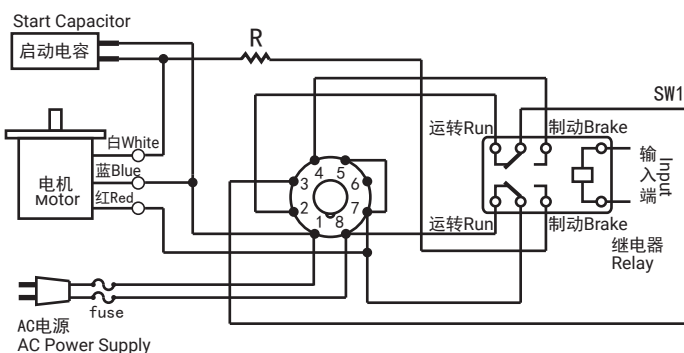
虽然本设备可用于寸动功能，但如果使用频率过高，电机频繁的启动、制动会使电机温度升高。如果电机表面温度超过90℃，请暂停使用。

It could lead to temperature rising for frequently run-stop of the motor although the driver has the function of inching motion; please stop the device once the temperature of motor surface exceeded 90℃.

接线图（单相200~240V，R为外接电阻） Wire Diagram（Single Phase 200-240V，R refers to External Resistor）

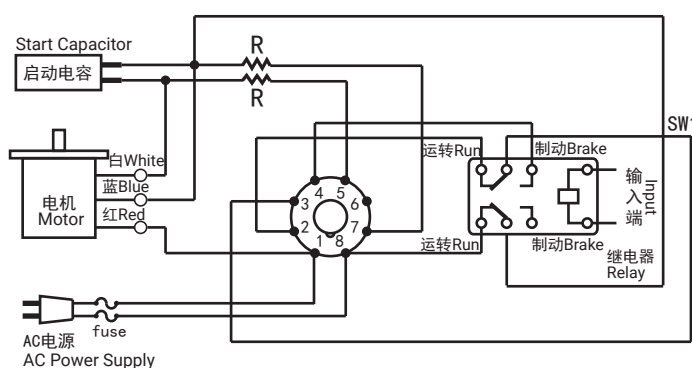
功率6W~90W，单一方向运转

Power 6W~90W, single directional rotation



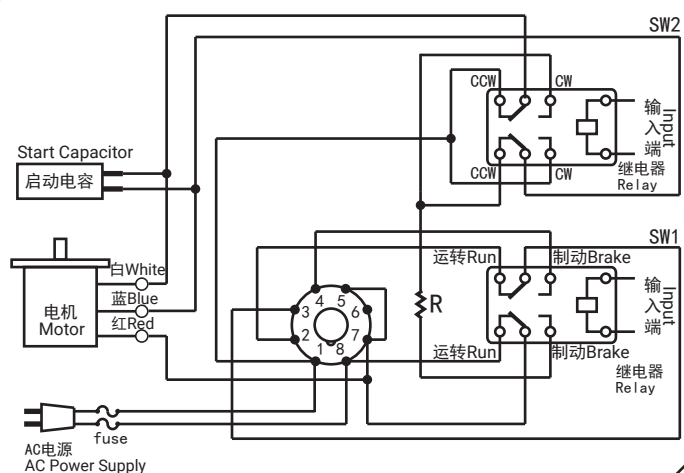
功率6W~25W (增大刹车扭矩)，单一方向运转

Power 6W~25W (increase the brake torque), single directional rotation



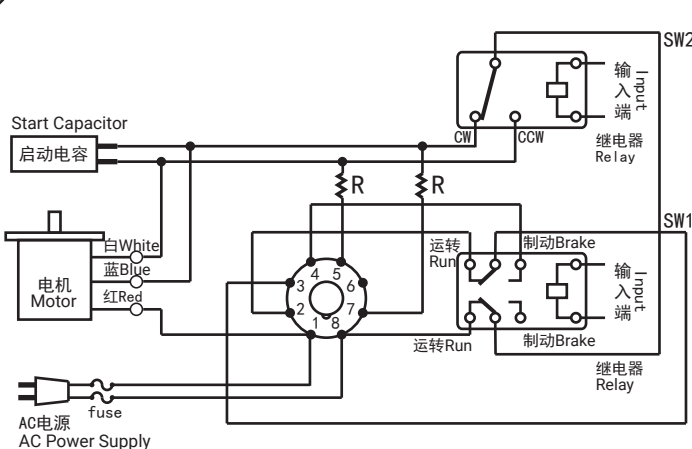
功率6W~90W，正反转

Power 6W~90W, forward and reverse



功率6W~25W (增大刹车扭矩)，正反转

Power 6W~25W (increase the brake torque), forward and reverse



外接电阻R选择 How to Choose the External Resistor

功率6W~90W的外接电阻为50W/50Ω（型号：DDR50W/50ΩJ）；在制动频率很高的情况下，外接电阻的温度会很高，请改用80W/50Ω的外接电阻（型号：DDR80W/50ΩJ）。

Use 50W/50Ω resistor (Model:DDR50W/50ΩJ)for power 6W~90W, in case of frequent braking, use 80W/50Ω external resistor (Model:DDR80W/50ΩJ) due to high temperature of the resistor.

功率6W~25W (增大刹车扭矩)的外接电阻为25W/20Ω（型号：DDR25W/20ΩJ）；在制动频率很高的情况下，外接电阻的温度会很高，请改用30W/20Ω的外接电阻（型号：DDR30W/20ΩJ）。

Use 25W/20Ω resistor (Model:DDR25W/20ΩJ)for power 6W~25W, in case of frequent braking, use 30W/20Ω external resistor (Model:DDR30W/20ΩJ) due to high temperature of the resistor.