

FEATURES

Multi-Functions

Provide the functions necessary for speed control.
 Speed Control 90~1400 r/min (50 Hz)
 90~1600 r/min (60 Hz)

Instantaneous Stop
 Acceleration/deceleration function that enables smooth start and stop

Can Be Used World-Wide

The **SSD100W-A(C)/SSD200W-A(C)** speed controllers conform to major power-supply specifications world-wide.

Simple Wiring

Adopt the simple inserting relay seat (11 holes)

Controlling 4 W to 90 W with a Single Unit

One **SSD100W-A/SSD100W-C** unit is all you need to operate speed-control motors with varying output of 6 W to 60 W.

Controlling 100 W to 200 W with a Single Unit

One **SSD200W-A/SSD200W-C** unit is all you need to operate speed-control motors with varying output of 6 W to 60 W.



SSD□W-A
 SSD□W-C

TECHNICAL SPECIFICATION

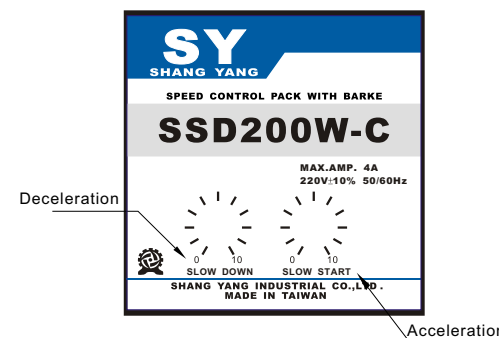
Model	SSD100W-A	SSD200W-A	SSD100W-C	SSD200W-C
Voltage	110V ± 10%		220V ± 10%	
Frequency	50/60Hz			
Max. Current	8A	8A	4A	4A
Applicable Speed Control Motor Output	6W-100W	120W-200W	6W-100W	120W-200W
Variable Speed Range	50Hz : 70 ~ 1400r/min 60Hz : 70 ~ 1700r/min			
Brake Current	0.1 sec			
More than of a motor act at the same time	YES			
Acceleration/Deceleration	YES			
Insulation Resistance	100M ohms or more when measured by a 500 VDC megger between the windings and the frame.			
Dielectric Strength	Sufficient to withstand 1.5 kV at 50 Hz, 60 Hz applied between the FG terminals and the power supply terminals for 1 minute, under normal temperature and humidity.			
Ambient Temperature	14° F ~ 104° F (-10° C ~ +40° C) (non-condensing)			
Ambient Humidity	85% or less (non-condensing)			

ATTACHED MATERIALS

CODE	CONTENT	SPECIFICATION
VR	External Speed Potentiometer	20KΩ B Type
1N5408	Diode	GW1N5408 3A 50~1000V
	11P Relay Socket	
Ro-Co Surge Absorbers	Carbon Film Resistors 1000Ω	Ro = 560 ~ 1000Ω
	Ceramic Capacitor 104J630	Co = 0.1 ~ 0.2 μF 400VV

OPTIONAL PARTS

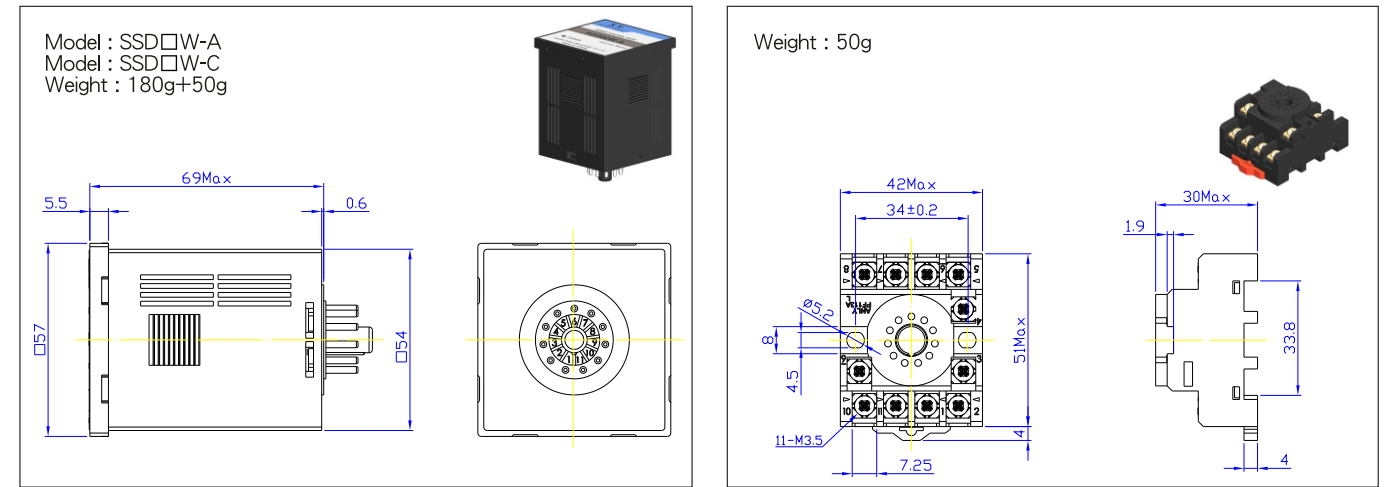
CODE	CONTENT	SPECIFICATION
SW1	Power Switches 4P or 6P	AC125V 5A、AC 250V 5A以上
SW2	Work Switches 3P	DC 20V 10mA
SW3	Brake Switches 6P	AC125V 5A、AC 250V 5A以上
SW4	CW、CCW Switches 6P	AC125V 5A、AC 250V 5A以上



- The longest time of slow-start is 30sec.
- The longest time of slow-down is 30sec.
- The instantly brake is 0.1sec

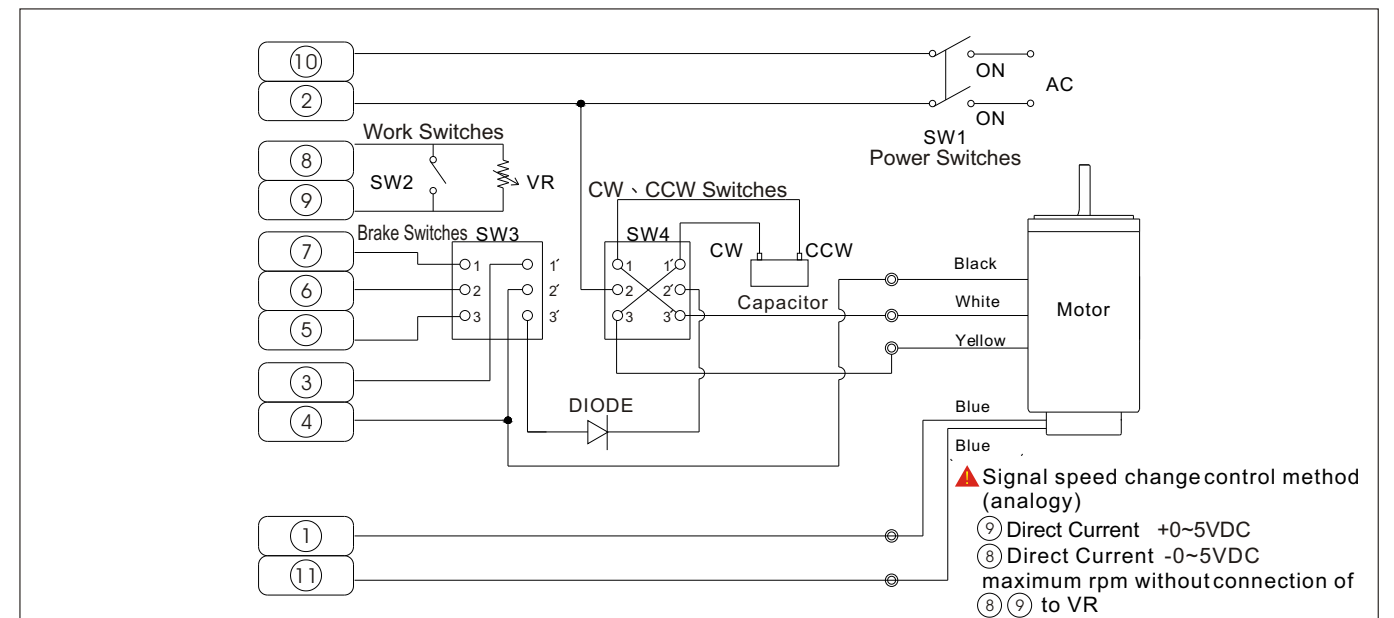
DIMENSIONS

Unit: mm



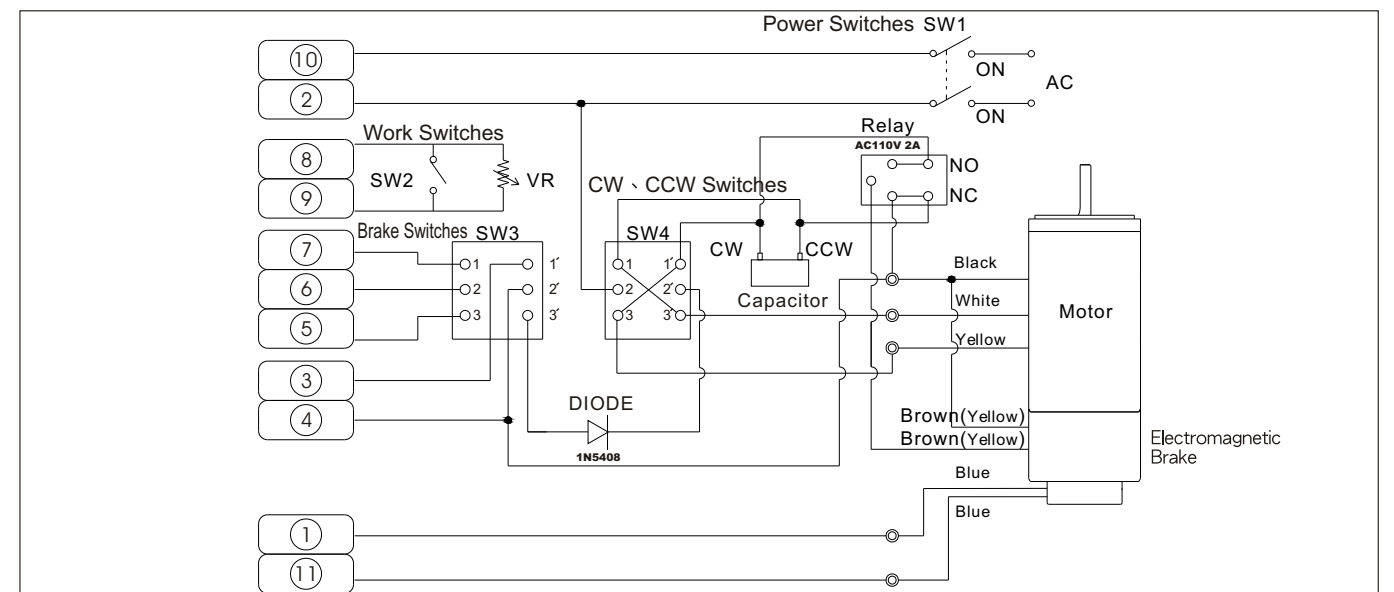
CONNECTION DIAGRAMS

CW、CCW、Speed Control、Instantaneous Stop



CONNECTION DIAGRAMS

Electromagnetic Brake with Variable Motors (Electromagnetic Brake and Instantaneous Stop at the same time.)
 CW、CCW、Speed Control、Instantaneous Stop

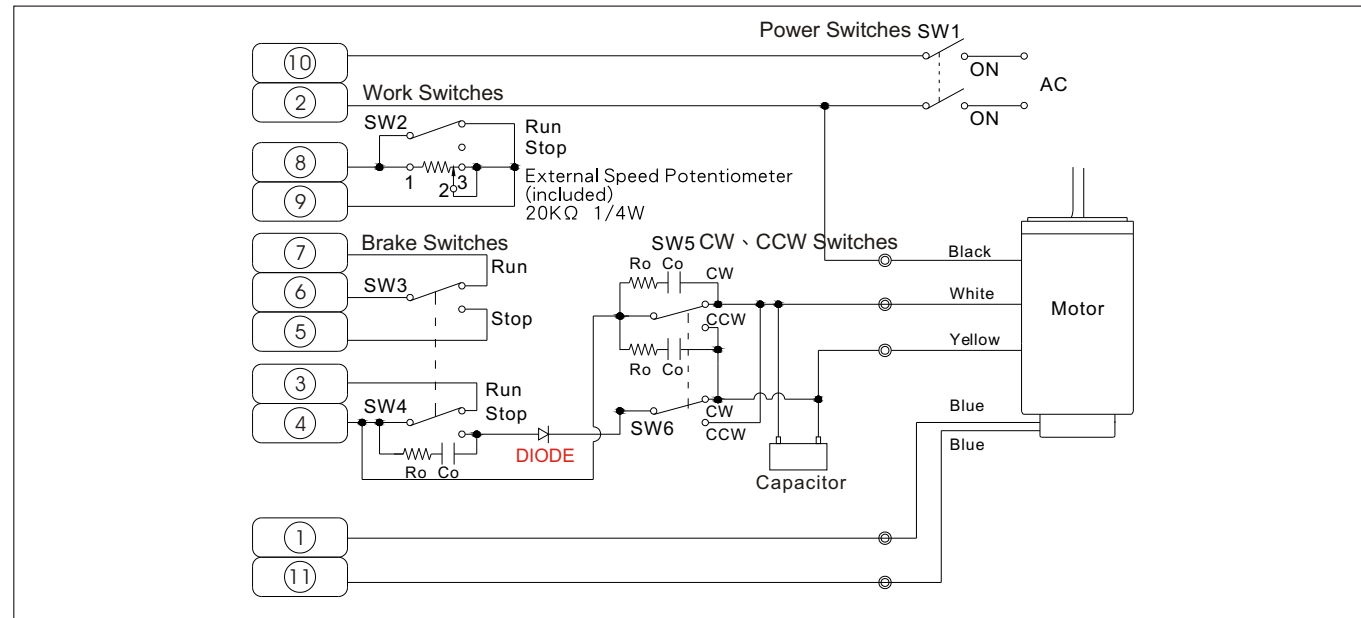


- ▲ 110v motor, its brake wire is yellow
- 220v motor, its brake wire is brown (its blue before 2007)

- ▲ Motor with single fan, please connect power wire to number 2 and 4 hole of relay base.
- ▲ If the power wire and electromagnetic brake runs the same time, please connect brake wire to number 2 and 10 hole.

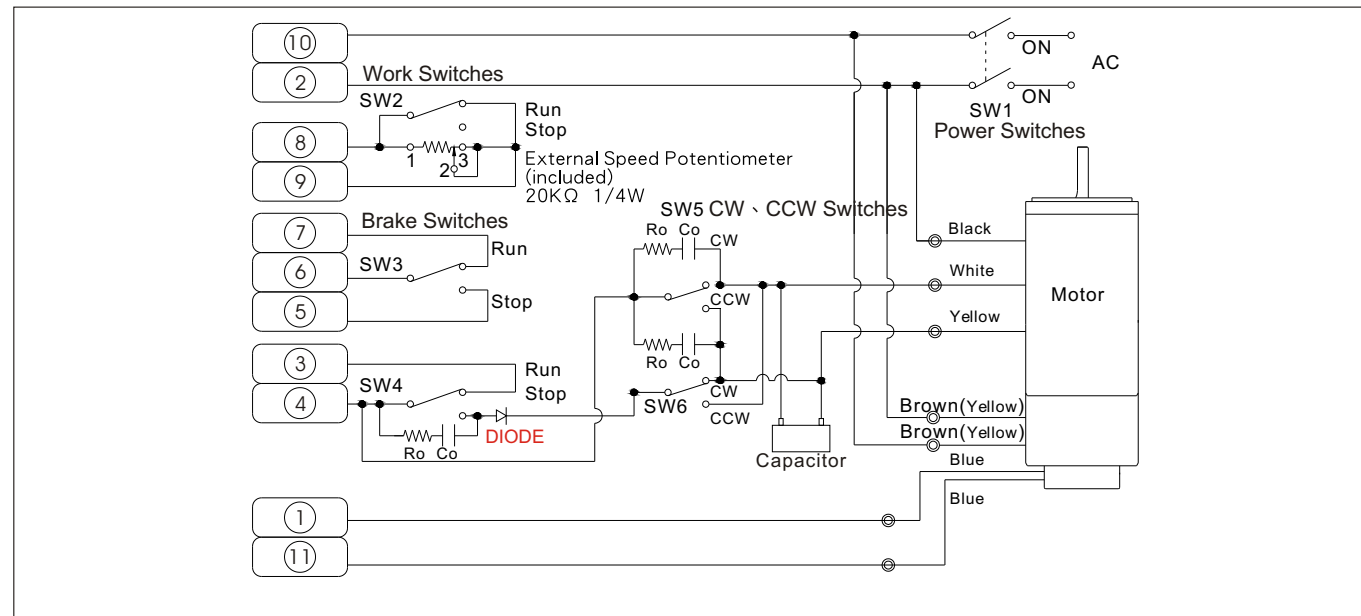
Connection Diagrams

CW、CCW、Speed Control、Instantaneous Stop

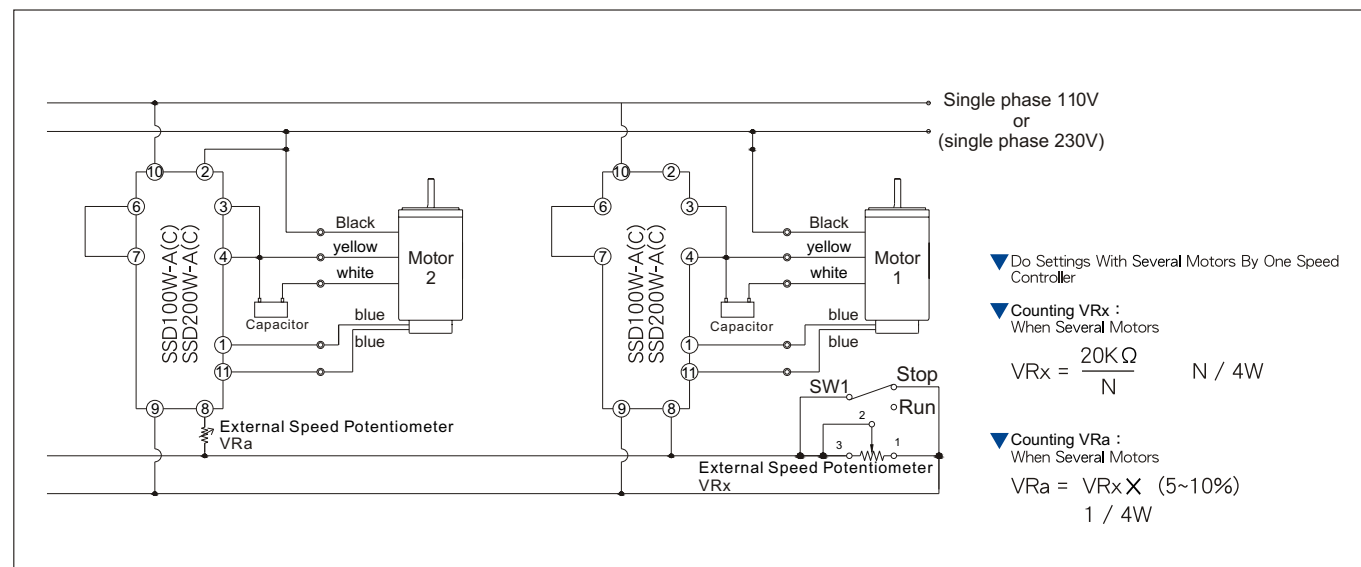


Connection Diagrams

Electromagnetic Brake with Variable Motors (Electromagnetic Brake and Instantaneous Stop at the same time.)
CW、CCW、Speed Control、Instantaneous Stop

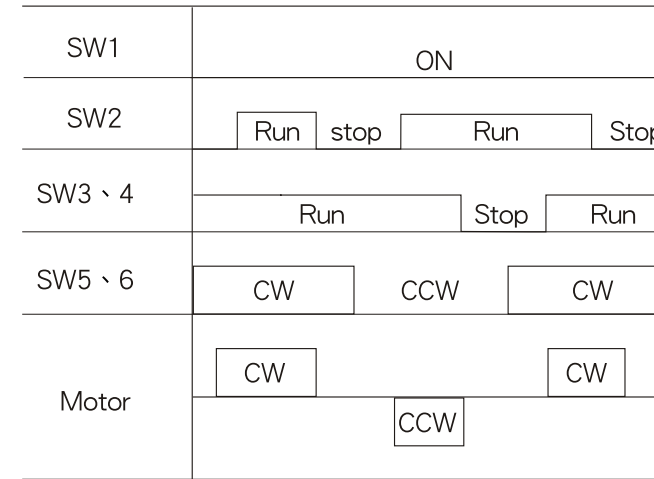


PARALLEL RUNNING



TIMING CHART

For Left Connection Diagrams



NOTES

■ Speed setting methods

- Attached external speed potentiometer (included) or 0-6vdc, the setting range is from
50hz: 70r/min - 1400r/min
60hz: 70r/min - 1700r/min

■ Acceleration and deceleration operation

equipment and loads are subject to large acceleration/deceleration force when starting, stopping, and changing speeds. when you want to accelerate/decelerate without any accompanying shock, the acceleration/deceleration time can be extended using the acceleration/ deceleration function. the acceleration/deceleration time can be set using acceleration/deceleration time potentiometers built into the controller. the setting range is approx. 0.5 to 10 seconds (at 1000 r/min, with no inertial load). however, when the load inertia is large, the deceleration time cannot be set at a shorter time than when the motor is stopped naturally.

● Acceleration

the acceleration function is activated at start or when the speed is switched to the higher setting in a two-level speed control. turning the acceleration time potentiometer clockwise will increase the set time. the factory setting is 0 (no acceleration) .

● Deceleration

the deceleration function is activated during natural stop or when the speed is switched to the lower setting in a two-level speed control. turning the deceleration time potentiometer clockwise will increase the set time. the factory setting is 0 (no deceleration) .