SPEED CONTROLLER : SRCE TYPE

Characteristics

- Speed controller SR series are developed by the demands of speed variation,
- It uses the IC circuit that SPG Motor independently developed and is small, light weight and reliability.
- With acquisition of CE Mark certification, the product guarantees higher reliability.
- The rotating speed of the motor may be adjusted by a speed control variable resistor located at the front of the case and can also operate long-range by an extra speed setter.
- · Increase of instantaneous stop function by electromagnetic brake
- · Miniaturized type with 11pin plug



SPECIFICATIONS

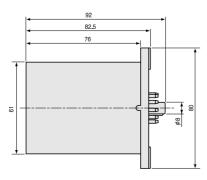
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	MODEL					SRCE TYPE						
SPEC		SRA01CE	SRA02CE	SRB01CE	SRB02CE	SRC01CE	SRC02CE	SRD01CE	SRD02CE	SRX01CE	SRX02CE	
Rated Voltage		AC110V 60Hz		AC220V 60Hz		AC100V 50/60Hz		AC200V 50/60Hz		AC220~240∨ 50Hz		
Operation	Voltage Range	±10%										
Applicable Motor Output	INDUCTION	6W	15W~90W	6W	15W~90W	6W	15W~90W	6W	15W~90W	6W	15W~90W	
	REVERSIBLE	6W	15W~40W	6W	15W~40W	6W	15W~40W	6W	15W~40W	6W	15W~40W	
	E·S	6W	15W~90W	6W	15W~90W	6W	15W~90W	6W	15W~90W	6W	15W~90W	
Speed control range		50Hz : 90~1400rpm 60Hz : 90~1700rpm										
Speed variation		5%(standard)										
Speed setting device		Built in external speed setting device attachable										
Braking		Possible to stop for certain period by electric brake										
Braking period		0.5sec(standard)										
Parallel operation		Not suitable for parallel operation										
Slow Run, Slow Stop		none										
Operation Temperature		−10~50°C										
Storage Temperature		-20~60°C										
Ambient humidity		85%Maximum(non condensing)										

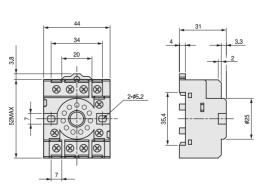
*1: Suitable motors are Socket Type Speed Control Motor. (Use for 12V motor T.G)

*2: The electric brake does not have holding torque.

+ DIMENSIONS SRCE TYPE SPEED CONTROLLER

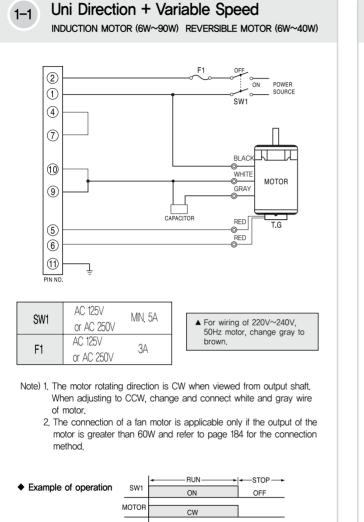




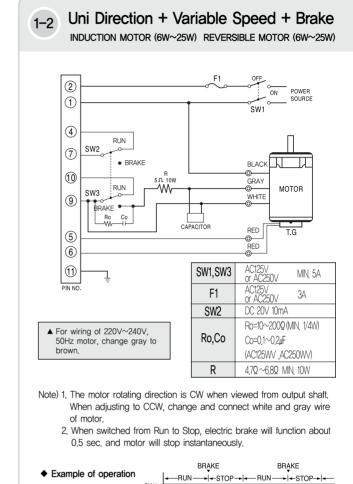


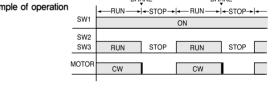
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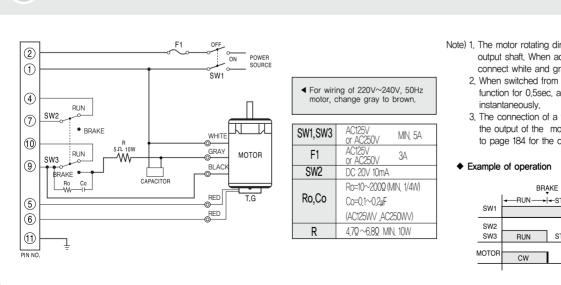
+ SCHEMATIC DIAGRAM



1-3 Uni Direction + Variable Speed + Brake

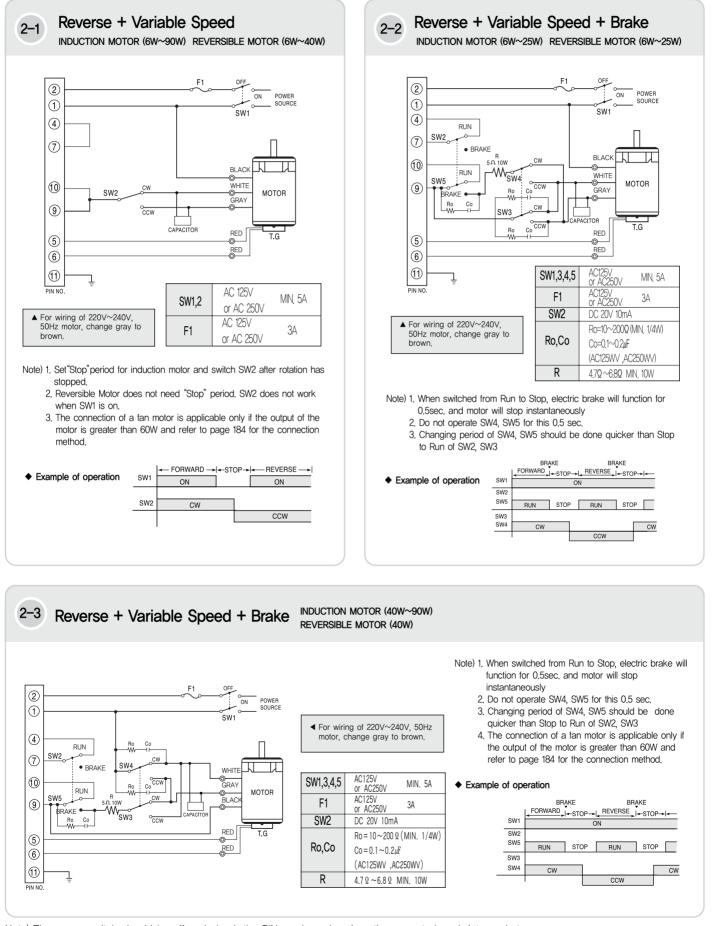


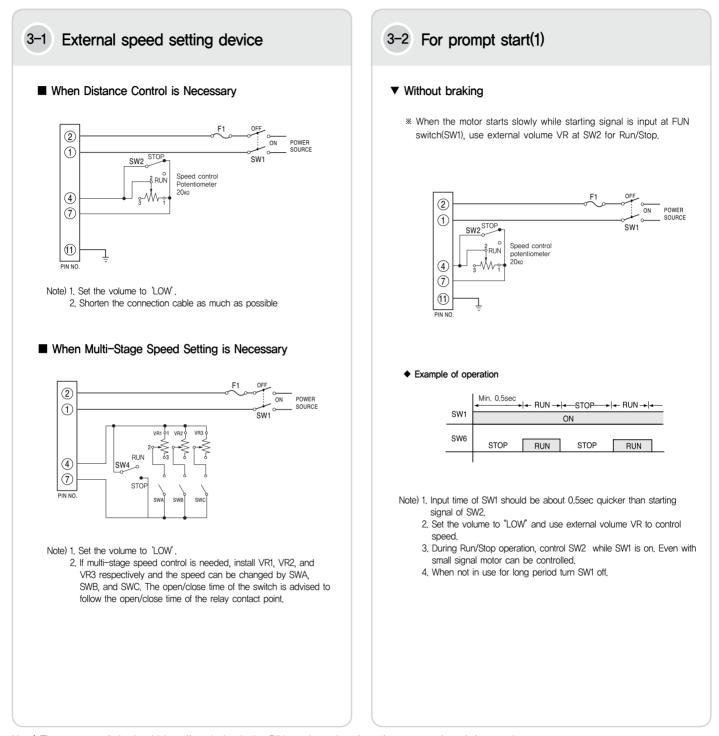


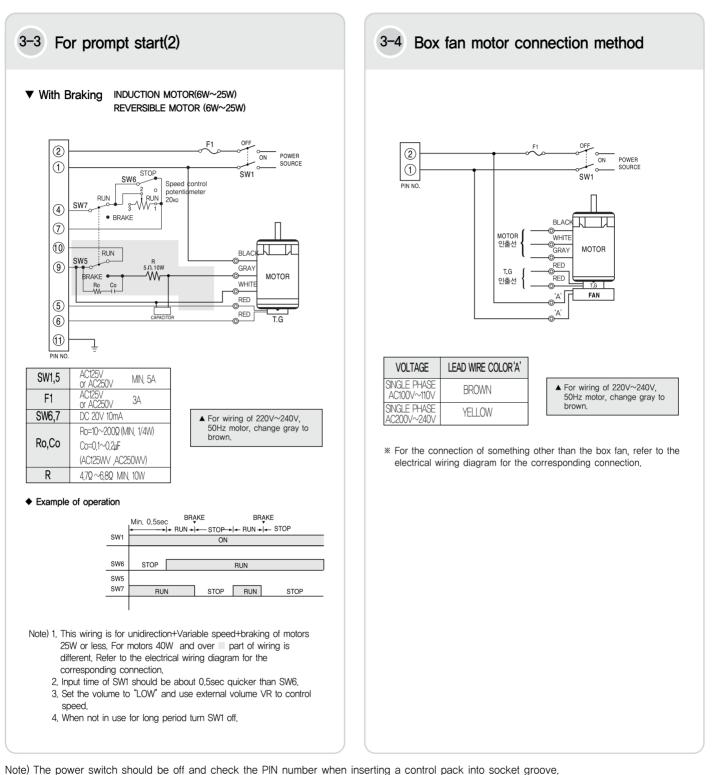


- Note) 1. The motor rotating direction is CW when viewed from output shaft, When adjusting to CCW, change and connect white and gray wire of motor.
 - 2. When switched from Run to Stop, electric brake will function for 0.5sec, and motor will stop
 - The connection of a fan motor is applicable only if the output of the motor is greater than 60W and refer to page 184 for the connection method.

	BR	AKE	BRĄKE						
	-RUN-+-STOP-+-RUN-+-STOP-+-								
SW1									
SW2									
SW3	RUN	STOP	RUN	STOP					
NOTOD		_							
MOTOR	CW		CW						

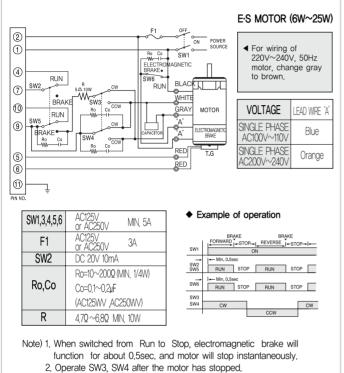






(There is a possibility to be burned.)

4-1 Wire connection for electromagnetic brake motor



3. Changing period of SW3, SW4 should be done quicker than stop to

4. Power input for SW1 should be at least 0.5sec, guicker than starting

condition. Even with small signal it can control the motor. Turn SW1

5. When Run/Stop, operate with SW2, SW5, SW6 while SW1 is 'On'

run of SW2, SW5, SW6,

signals of SW2, SW5, SW6,

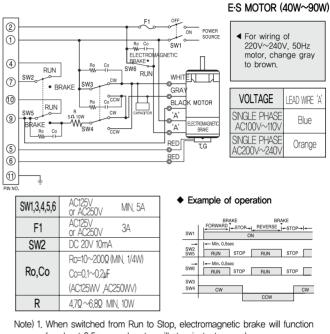
off when not used for long period.

When electric brake of controller is used at the same time



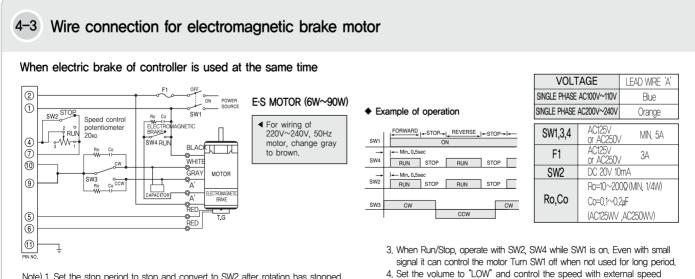
Wire connection for electromagnetic brake motor

When electric brake of controller is used at the same time



for about 0.5sec. and motor will stop instantaneously.

- 2. Operate SW3, SW4 after the motor has stopped.
- Changing period of SW3, SW4 should be done quicker than stop to run of SW2, SW5, SW6.
- Power input for SW1 should be at least 0.5sec, quicker than starting signals of SW2, SW5&SW6.
- When Run/Stop, operate with SW2, SW5, SW6 while SW1 is On condition, Even with small signal it can control the motor. Turn SW1 off when not used for long period.
- The connection of a fan motor is applicable only if the output of the motor is greater than 60W and refer to page 184 for the connection method,



Note) 1. Set the stop period to stop and convert to SW2 after rotation has stopped.2. Input period for power switch SW1 should be about 0.5sec, quicker than the signal of start operating of SW6, SW9.

setting device VR.5. The connection of a fan motor is applicable only if the output of the motor is greater than 60W and refer to page 184 for the connection method.