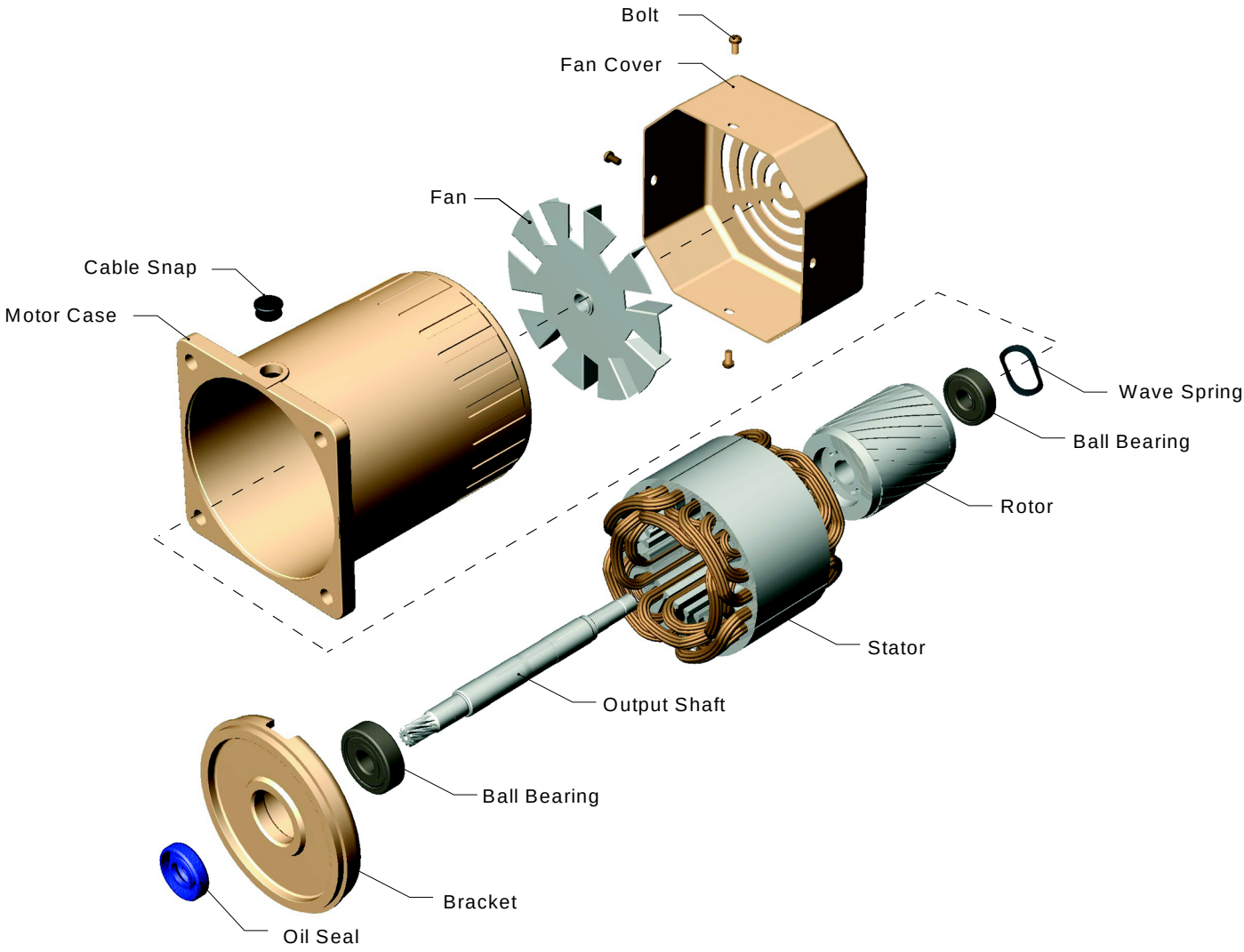
■ Construction and Features of Motor



■ Durable and Reliable

Output pinion shaft is equipped with O-ring which avoids the grease leaking out from the gearhead and incurring the earlier degradation of the windings in the motor. MTBF-5000 hours is also guaranteed resulting from our rigorous Quality Assurance System.

■ Energy Efficient

High class of iron core and winding design bring the results of high efficiency and great power saving.

■ Computer Integrated Design and Manufacturing

Through Spectrum Analysis, Dynamometer Testing System and Rotor Quality Control confirm the quality of design and manufacturing have boosted us up to the leading edge in the motor market.

■ Customer Orientation

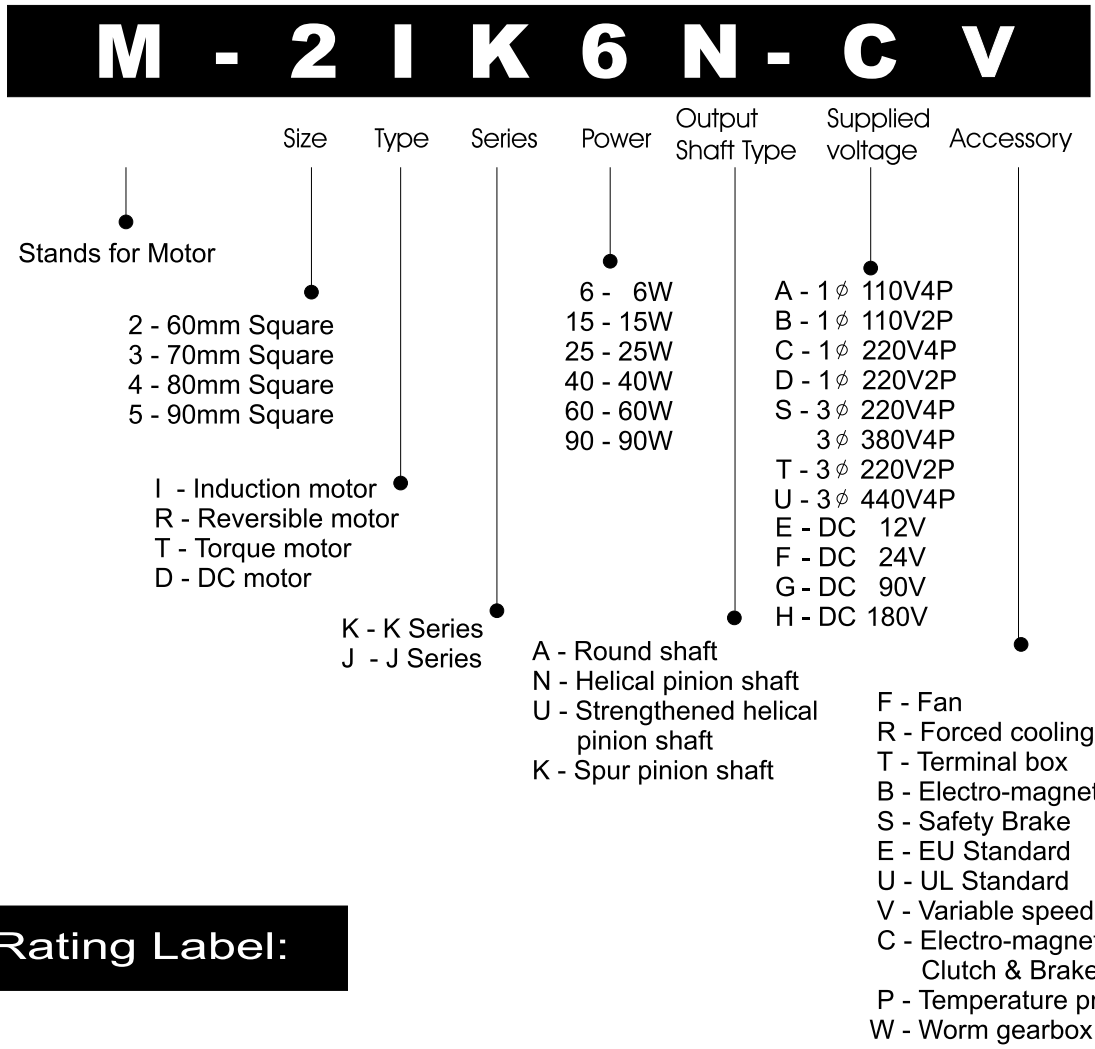
With the unique technology of design and manufacturing, we are able to achieve not only standard products but also custom-made products to meet the comprehensive demands of the market.

■ Innovation and Revolution (PAT No 068384)

Brand-new appearance and special designs in patent have vitalized our products. With the commitments of "Precise, Expandable, Excellent, Instant", we should be the best partner to work together to expand the worldwide market.

■ Coding - Motor

Induction Motor Number:



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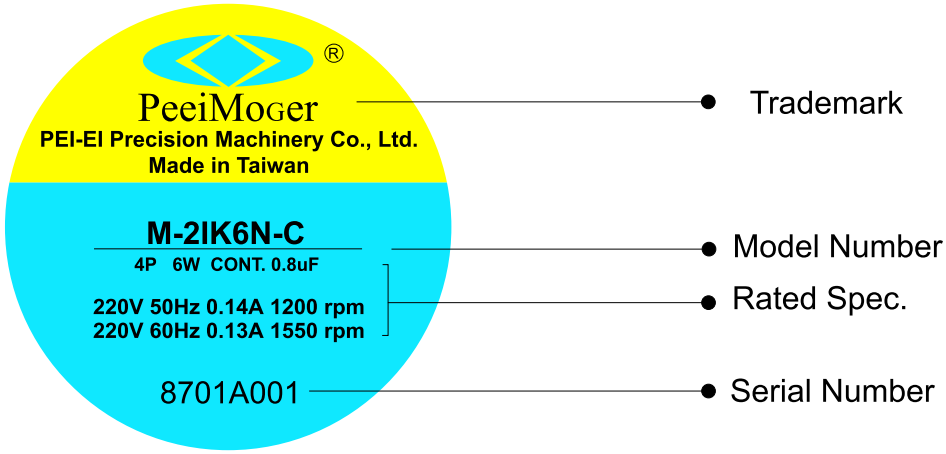
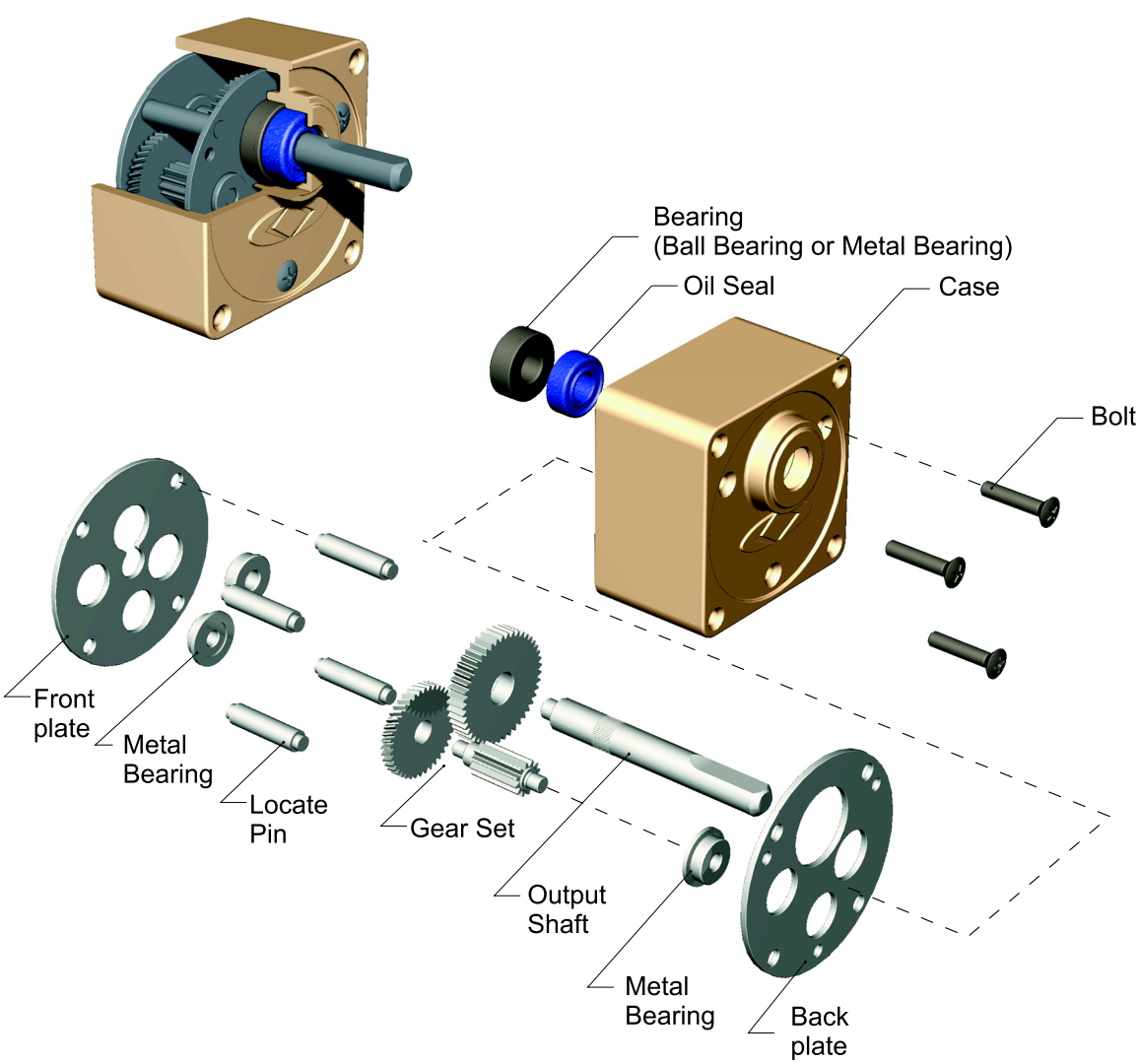


■ Construction and Features of Gearhead



■ Precise
All gears conforming with JIS Class-4 AGMA Class-8, results in extremely smooth and quiet operation.

■ Durable and Reliable
With ball bearing structure, MTBF - 5000 hours guarantee is ensured by our rigorous Quality Assurance System.

■ Quiet and Smooth
With oil seal hermetically sealed structure, highly precise helical gear sets and specially high performance grease, gears entirely get lubricated, by which prolonged the lifetime and reduced the noise and power loss.

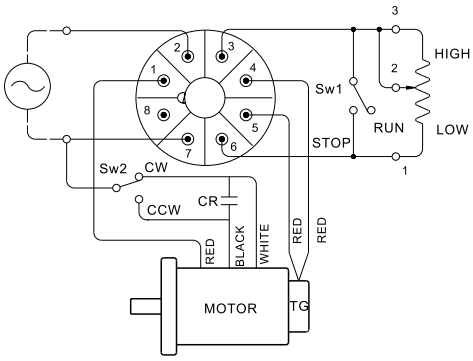
■ Computer Integrated Design and Manufacturing
Through CAD system simulation, Gear Matching Test, Spectrum Analysis and Dynamometer system confirm the quality of design and manufacturing have brought us about immense innovation in the field of gear industry.

■ Customer Orientation
With the unique technology of designing and manufacturing, we are able to achieve not only standard products but also custom - made products to meet the comprehensive demands of the market.

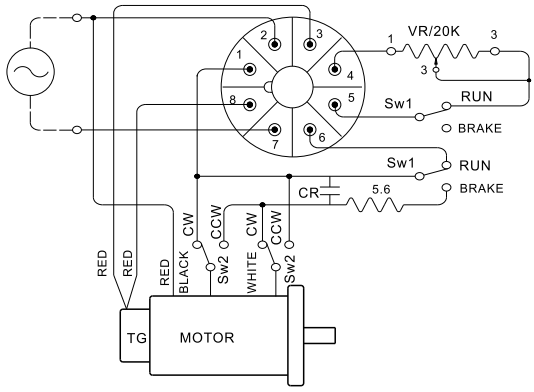
■ Innovation and Revolution (PAT. No 068384)
Brand - new appearance and special designs in patent have vitalized our products, with the commitments of "Precise, Expandable, Excellent, Instant", we should be the best partner to work together to expand the worldwide market.

■ Wiring Diagram

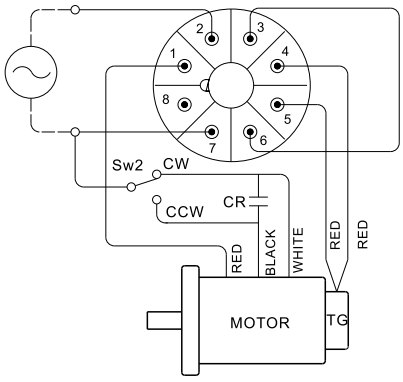
■ SS-2I6A-A(C)



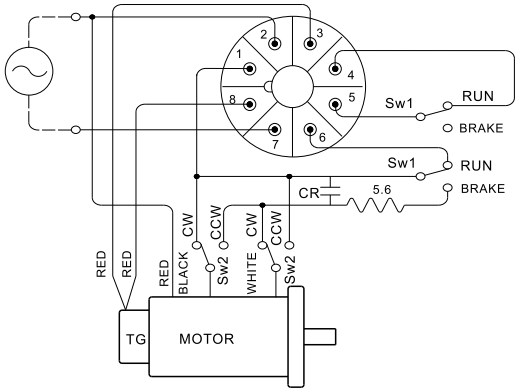
■ SS-2I6A-A(C)B



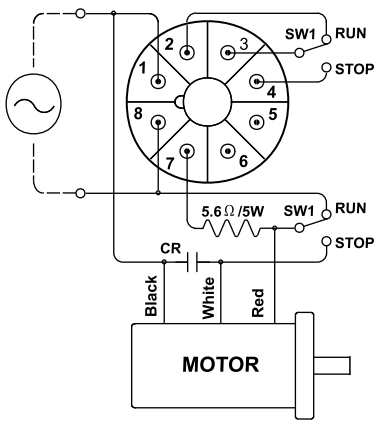
■ SD-2I6A-A(C)



■ SD-2I6A-A(C)B



■ SB-2I6A-A(C)



Storage

(1) Check prior the capacity of motor & controller before connecting。

(2) If use overheat protection switch for the motor，be sure the well connection between the protection switch and motor。

(3) If use the cooling fan on variable speed motor，be sure to connect the power supply of cooling fan with power input of the controller。

(4) If use the safe brake on variable speed motor，be sure to connect the power input of safe brake with motor starting power，to enable safe brake release while motor power on。

(5) The variable speed motor with electric braking，while motor stop with electric braking for **0.5sec**，the controller will be not allowed for clockwise and counter clockwise operation 。

(6) The contact capacity of switch much be **AC 125V 5A above AC**，**250V 5A above**。

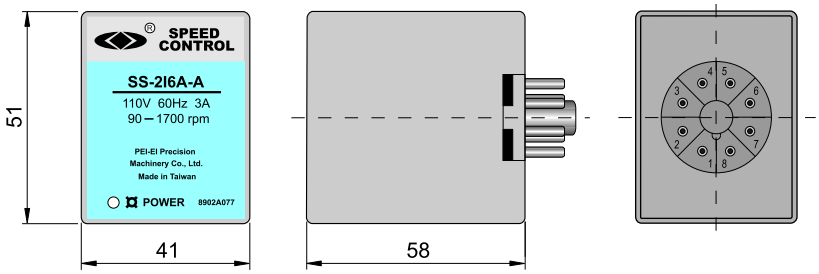
(7) The variable speed motor with electric braking，while used on running **0.5 sec** and stop **0.5 sec**，It will raise the motor temperature high. Please be sure that the motor have to be operation under temperature **90°C**.

■ SS Type - Variable Speed Controller

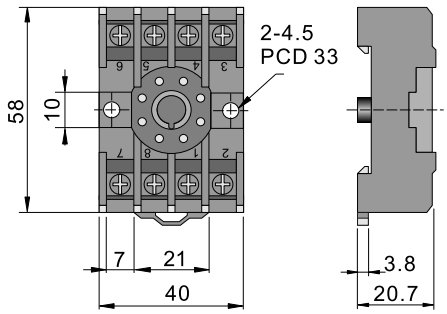
SS - 2 I 6 A - A B

Mode	Size	Applied motor	Output	Voltage	Optional Functions
SS - Standard variable speed controller SD - Panel operation variable speed controller SB - Electric braking controller		I - Induction motor	6 - 6W 15 - 15W 25 - 25W 40 - 40W 60 - 60W 90 - 90W	A - 1 ϕ 110 V C - 1 ϕ 220 V	B - Electric Braking D - Soft Start

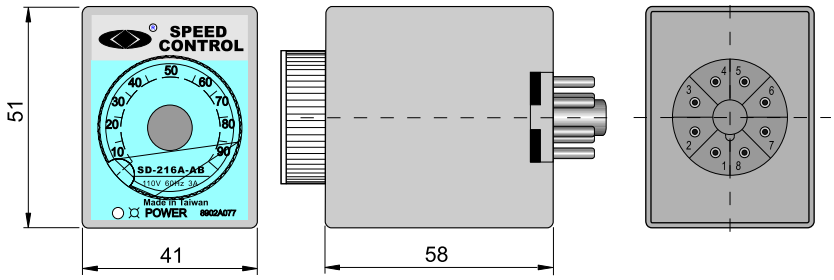
■ SS/SB Dimension



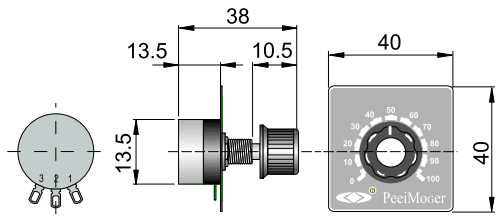
■ Dimension of Din Rail Terminal Base



■ SD Dimension



■ Dimension of Speed Setting Potentiometer



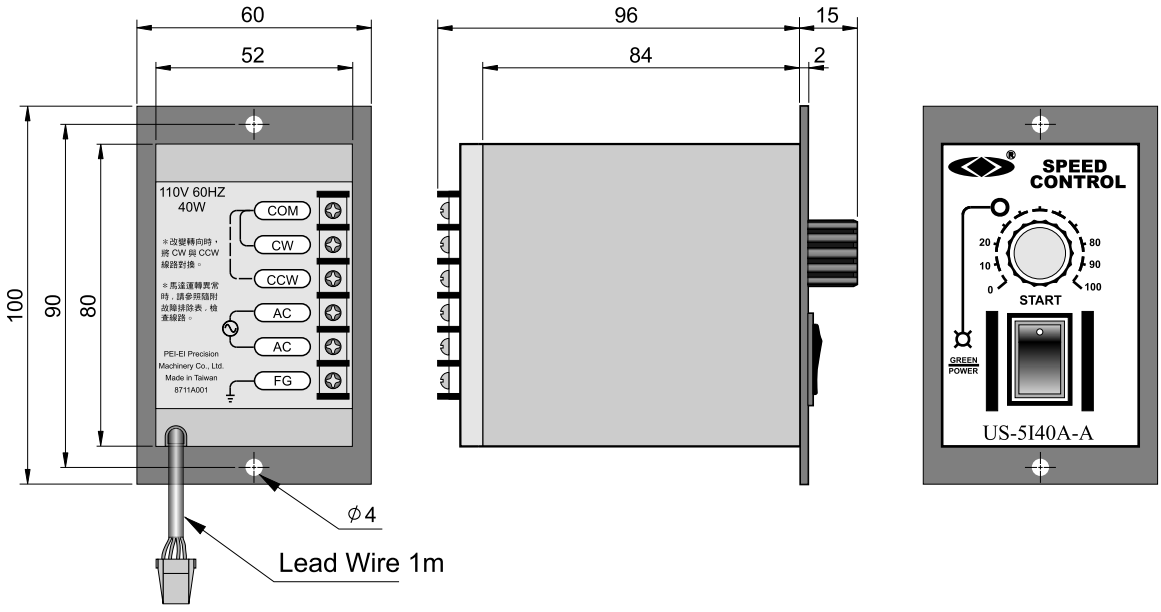
Trouble Shooting

Number	Phenomena	Causes	Solution
1	Motor is out of control and runs at full speed at all.	Motor generator doesn't feedback.	Check if the connection between generator and controller was broken.
2	Motor doesn't work.	Wrong connection	Check if the connection between motor and controller was broken.
3	Motor overheat	Wrong capacitor or wrong connection	1.Check the connection 2.Check capacitor
4	Overload	Motor over load or motor get stuck	1.Check if any improper stuffs stuck the motor 2.Review the capacity of motor

■ US Type - Variable Speed Controller

US - 2 I 6 A - A

- Mode: Stands for Variable Speed Controller
- Size: 2 - 60mm Square; 3 - 70mm Square; 4 - 80mm Square; 5 - 90mm Square
- Applied Motor: I - Induction motor
- Output: 6 - 6W; 15 - 15W; 25 - 25W; 40 - 40W; 60 - 60W; 90 - 90W
- Voltage: A - 1φ 110 V; C - 1φ 220 V



Coding - Extension cable

Part number	Length
984-2205006-X6	0.5 m
984-2210006-X6	1 m
984-2220006-X6	2 m
984-2230006-X6	3 m

Trouble Shooting

Number	Phenomena	Causes	Solution
1	Motor is out of control and runs at full speed at all.	Motor generator doesn't feedback.	Check if the connection between generator and controller was broken.
2	Motor doesn't work.	Wrong connection	Check if the connection between motor and controller was broken.
3	Motor Overheat	Motor get stuck or the capacity of motor is not enough.	1. Check if any improper stuffs stuck the motor 2 Review the design.