



PMSM

Permanent Magnet Synchronous Motor

MODEL: **ESG-M-002**

Product Features:

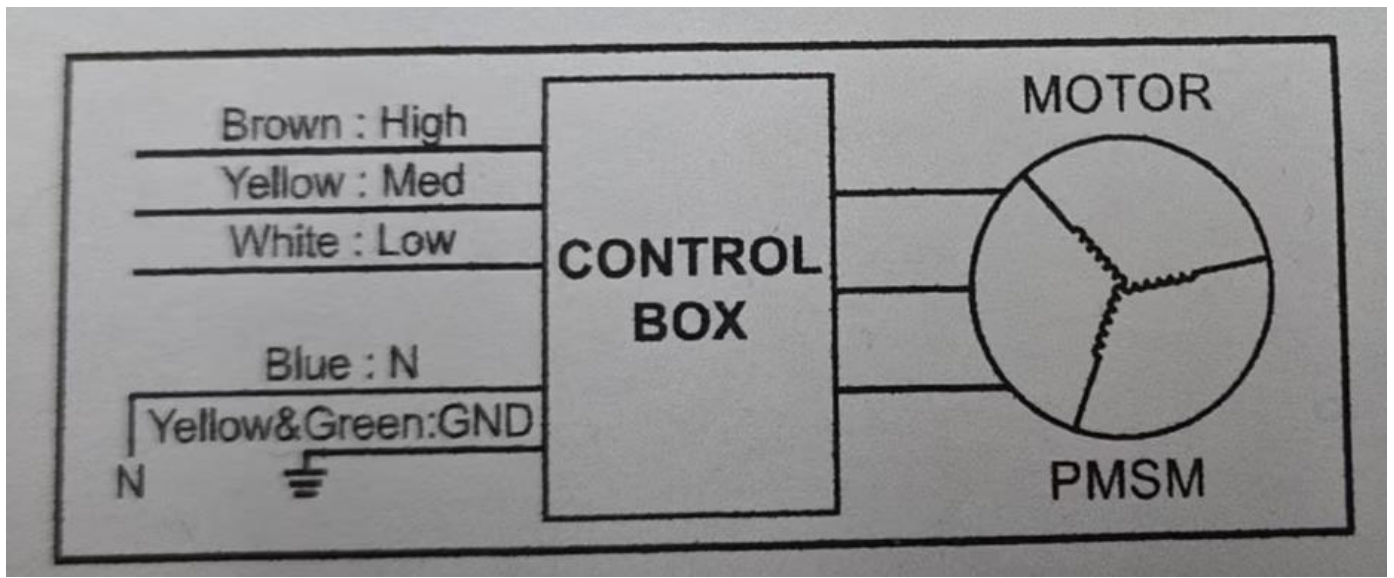
- ♦ Overall power saving rate (compare with AC motor): 40-60%
- ♦ Durable for at least 9 years (versus 4 years or less for AC motor)
- ♦ Quieter in operation (Motor noise $\leq 45\text{dB}$ *)
 - * Background noise 29.9dB
- ♦ Operating voltage range: AC 100 - 277V (50/60Hz), 1 Phase
- ♦ Rated input current: 1.85A
- ♦ Operating temperature: -20°C to 50°C
- ♦ Can match three-speed thermostat direct input (High / Med / Low)
- ♦ Speed range: 400 – 1400 rpm
- ♦ Default speed:
 - Low: 660 rpm
 - Med: 840 rpm
 - High: 1000 rpm
 - Can be adjusted via BT
- ♦ LED showed working status
- ♦ Wi-Fi connected to server for data transfer
- ♦ Monitor speed, power consumption and on-board temperature in the backend platform



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Connection Diagram



FCC Compliance Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance 7.9 inches between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

BLE (Transmit and receive) :

Frequency range : 2402MHz to 2480MHz

Maximum power output : < 1 dBm

WIFI (Transmit and receive) :

Frequency range : 2412MHz to 2462MHz

Maximum power output :

- IEEE 802.11b < 20 dBm
- IEEE 802.11g < 20 dBm
- IEEE 802.11n-HT20 < 20 dBm
- IEEE 802.11n-HT40 < 20 dBm

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