



HM-011-2

Oriental Motor Wiring Manual

Thank you for selecting Oriental Motor products. For your information the following wiring diagrams indicate the correct wiring procedures for Oriental motors. Please make sure that all connections are made in accordance with them.

In all cases, the indicated direction of rotation is as viewed from the front shaft end.

After switching the motor on upon completion of wiring, be sure to double-check all connections. Wrongly wired motors will either (1) fail to rotate; (2) display exceptionally low torque; or (3) rotate in the reverse direction.

If you cannot locate and remedy a malfunction, please contact Oriental Motor U.S.A., Corp.

■ Thermal Protected Motors

These motors all have some type of thermal protection built in. The letters T.P. denote motors with thermal protectors.

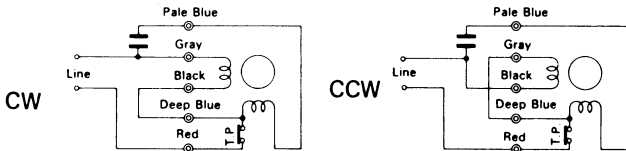
Working temperatures of thermal protectors:

Circuit opening . . . $120 \pm 5^{\circ} \text{C}$ ($248 \pm 41^{\circ} \text{F}$)

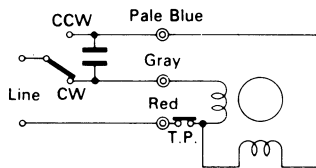
Circuit closing . . . $77 \pm 15^{\circ} \text{C}$ ($170 \pm 59^{\circ} \text{F}$)

● Thermal Protected Motors

(1) Induction, reaction synchronous and hysteresis synchronous motors (5 leads)



(2) Reversible and torque motors (3 leads)



Please contact your nearest Oriental Motor office for further information.

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