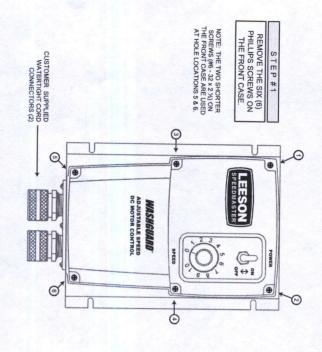
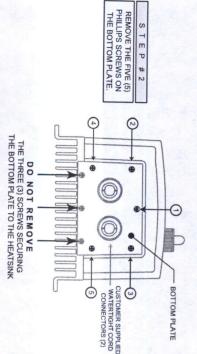


Q U I C K S TART GUIDE

174102 & 174107 NEMA4X SCR MOTOR CONTROLS





LEESON Electric

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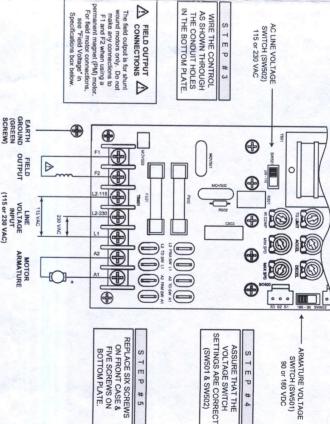
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- turned CW. Continue until the desired speed is reached.
- 1. Set the FORWARD/OFF/REVERSE switch to the OFF
- 4. Set the FOWARD/OFF/REVERSE switch to the desired
- Slowly advance the speed adjust potentiometer CW. The motor slowly accelerates as the potentiometer is
- 6. To coast the motor to a stop, turn the speed adjust potentiometer to "0" or set the

To reverse direction

- a. Set the FORWARD/OFF/REVERSE switch to the OFF position.
- b. After the motor comes to a complete stop, set the FORWARD/OFF/REVERSE switch to the desired direction of

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OPERATION

(115 or 230 VAC)

174102 Non-Reversing Speed Control

- 1. Set the speed adjust dial to "0" (full CCW).
- Apply AC line voltage.
- Set the POWER switch to the ON position.
- Slowly advance the speed adjust potentiometer CW. The motor slowly accelerates as the potentiometer is

Maximum Armature Current

forsepower Range with 230 VAC applied ...

......1/4 - 2 HP

.1/8 - 1 HP

Horsepower Range with 115 VAC applied

AC Line Voltage115 VAC or 230 VAC, ±10%, 50/60 Hz, single phase

Field Voltage

potentiometer to "0" or set the POWER switch to the OFF position. To coast the motor to a stop, turn the speed adjust

174107 Reversing Speed Control

- Apply AC line voltage Set the speed adjust potentiometer to "0" (full CCW).

Load Regulation Input Impedance (S1 to S2)

for 0 - 180 VDC Armature Voltage for 0 - 90 VDC Armature Voltage

.....0 - 2.8 VDC

.0 - 1.4 VDC .3M ohms

....1% base speed or better

.....NEMA 4X

Analog Input Voltage Range (signal must be isolated; S1 to S2):

Form Factor

....1.37 at base speed

for 115 VAC Input50 VDC (F1 to L1); 100 VDC (F1 to F2) for 230 VAC Input100 VDC (F1 to L1); 200 VDC (F1 to F2)

- direction of rotation
- turned CW. Continue until the desired speed is reached

FORWARD/OFF/REVERSE switch to the OFF position.