

# FE 00MSCS-230 WIRING DIAGRAM

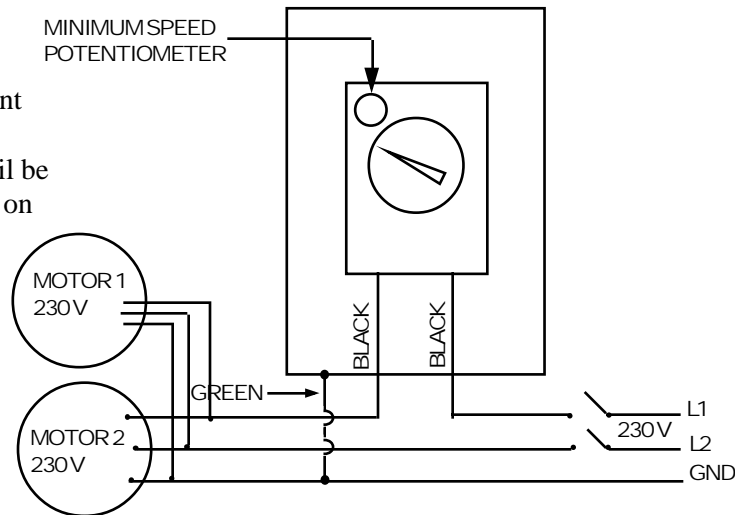
## Manual Variable Speed Control with Switch

All electrical wiring must be installed according to national electrical and/or codes.

### WARNING

Always disconnect power before making or changing any electrical power connections to the MSCS control. Failure to disconnect electrical power creates an exposure hazard to dangerous electrical voltages and currents which could be life threatening. Only a licensed electrician should make or change power connections.

Shaded pole or permanent split capacitor motor electrical connections will be electrically diagrammed on the individual motor.



### MSCS OPERATION

Note: The MSCS is a continuous run control, i.e., it has no option for low temperature motor shutdown.

1. Turn black speed selector knob clockwise for higher speed or counterclockwise for lower speed.
2. When the ventilation system is installed it may be necessary to adjust the MINIMUM SPEED POTENTIOMETER. This potentiometer allows adjustment of the minimum motor speed so that the motor does not run too slow or too fast when the speed selector knob is set to minimum. To adjust the minimum speed, do the following:
  1. **WARNING** Disconnect all electrical power.
  2. Set speed selector knob to minimum (all the way counterclockwise)
  3. Remove four cover screws and remove enclosure cover.
  4. Remove the speed selector knob.
  5. Release control circuit from enclosure cover by removing 1/4" sealnut.
  6. Adjust MINIMUM SPEED POTENTIOMETER with small phillips screwdriver (see location above). Clockwise is faster. Counterclockwise is slower.
  7. Reinstall control in enclosure cover.
  8. Reinstall enclosure cover.
  9. Reinstall speed selector knob.
  10. Re-apply power and test for proper minimum speed.

Note: If motor fails to run on cold start or overheats, minimum speed is set too low.



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