

Variable Speed Drive Package



This is a complete variable speed motor and controller. Hook up the motor leads, plug it in and you have a 1/3 HP variable speed drive system.

The motor is 83 mm in diameter. The body of the motor is 145 mm long. The motor shaft is 8 mm diameter with a 3 mm keyway and extends out 21.5 mm. There is a retaining ring groove near the end of the shaft.

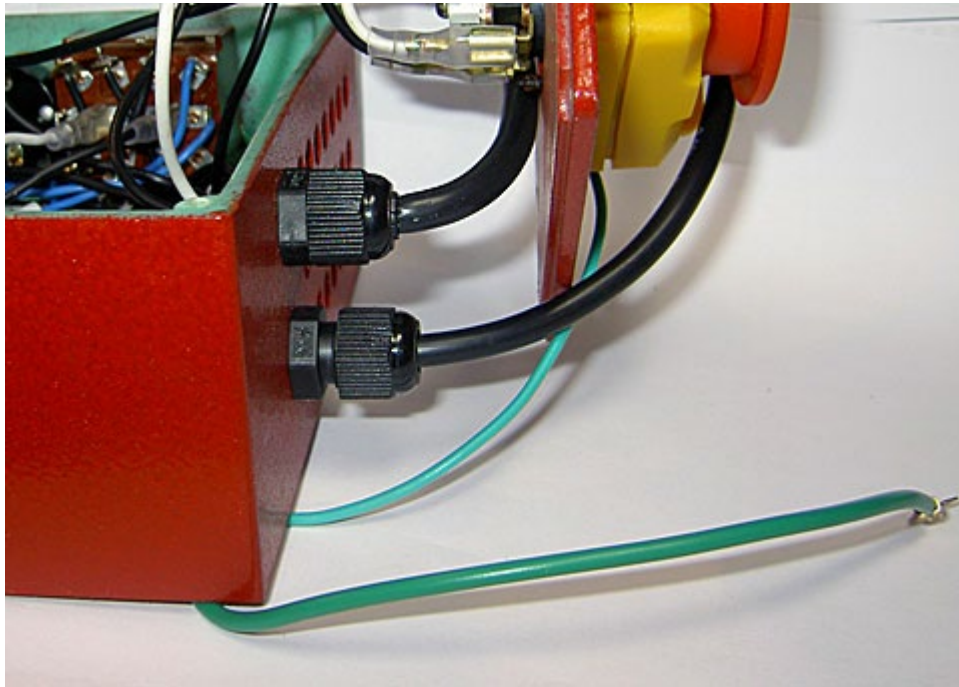
There are two M6 threaded holes in the side of the motor for mounting, or it can be end mounted with a motor mounting flange (PN 1454).

Connecting the Motor

1. Remove the cover from the control box by removing the four Phillips screws.
2. Disassemble the strain relief into its four components—the cap, the body, the rubber gland, and the nut.
3. Put the motor leads through the components of the strain relief, one wire at a time.

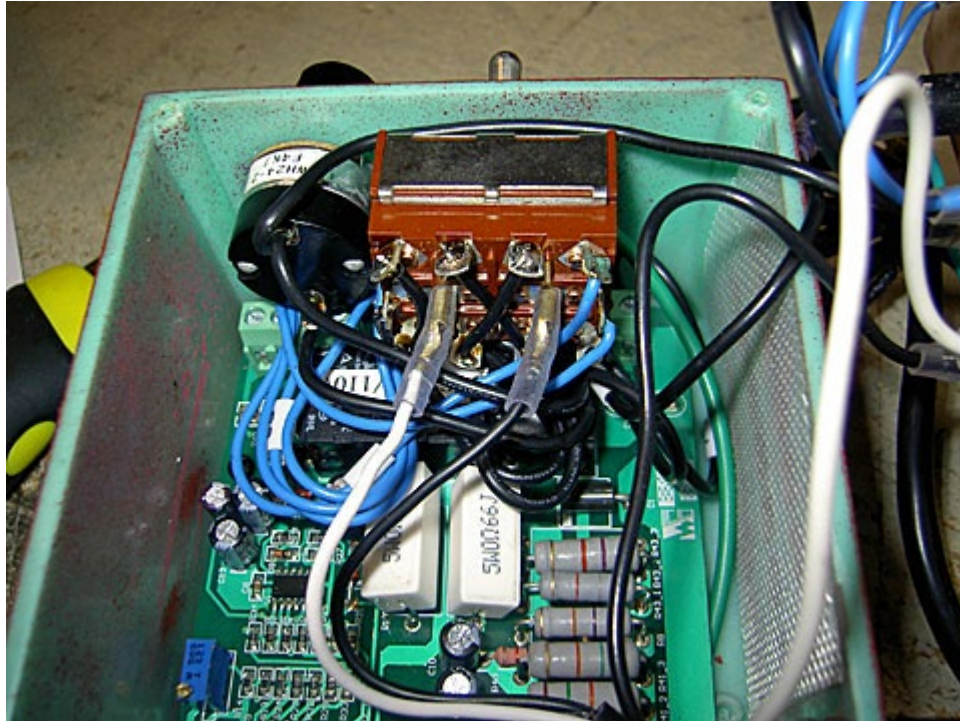


4. Reassemble the strain relief.
5. Put the wires and the threaded end of the strain relief through the hole in the side of the control box.



6. Replace the nut on the strain relief and tighten it.
7. Connect the black and white motor wires to the two center contacts on the F/O/R switch as shown.

Note: If the motor runs backwards for your application, swap the black and white leads.



8. Tighten the cap on the strain relief.
9. Replace the cover on the control box using the four Phillips screws.

Grounding the Variable Speed Drive

It's important that all the components of the variable speed drive are grounded.

1. Connect the two green or green and yellow wires to the metal frame of the machine on which you are mounting the variable speed drive.
2. Ground the motor by connecting a green or green and yellow wire from the round head screw on the side of the motor to the metal frame of the machine on which you are mounting the variable speed drive