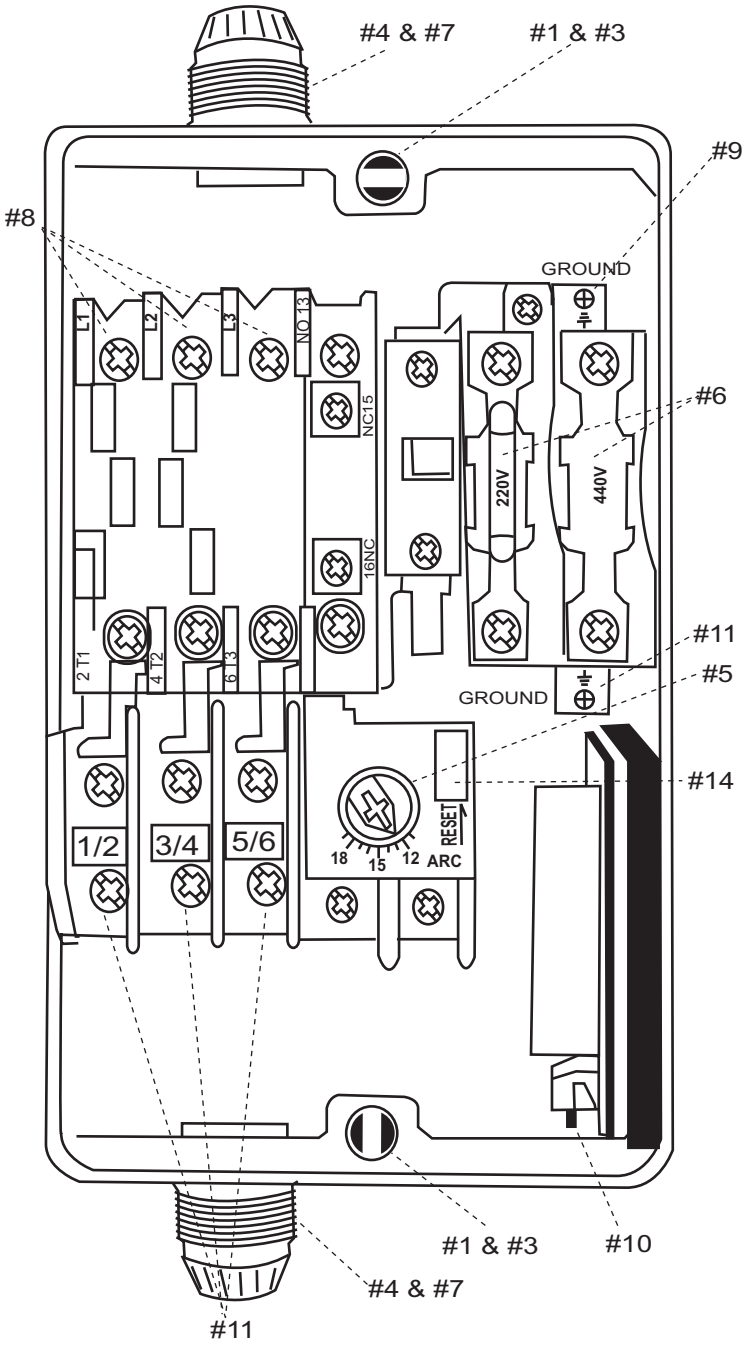
WIRING A HEAVY DUTY LONG RANGER™ PRO REMOTE MOTOR STARTER SWITCH (#LR2244)

This unit should be installed by a qualied electrician. Make sure that the power is disconnected during set up, except for programming of unit.

OPERATING SPECIFICATIONS			
220V	1 PHASE	3.5HP	18 AMPS
220V	3 PHASE	5.0HP	18 AMPS
440V	3 PHASE	10.0HP	18 AMPS



Numbers correspond to Step Number

#1. Loosen the two (2) plastic white screws securing the cover. Pull cover the straight up from motor starter.

#2. Decide which knockouts (top & bottom, left or right are to be used). Remove those appropriate.

#3. Mount motor starter with two screws and washers through the holes from Philips cover screws. (Do not damage plastic threads for cover screws).

#4. Mount strain relief bushings (supplied) to motor starter in the knockout holes for line in and motor feeder out.

#5. Set motor starter green overload dial to appropriate Amp setting below maximum Amps on motor rating plate.

#6. Check the feed voltage and place glass fuse into the proper slot - 220V or 440V.

#7. Insert wire through the strain reliefs and tighten.

#8. **FOR 3-PHASE:** Make power supply connections to L1, L2, & L3 terminals under hold down plates one at a time to avoid cross connecting transformer and transmitter power supplies. DO NOT move any wires already connected.
FOR SINGLE PHASE: Use only power supply connections L1 and L3.

#9. Make a ground connection (green wire) to the metal plate under the transformer.

#10. **Programming motor starter.** Install battery in handset transmitter; then push button and check that the LED lights up. Connect power to motor starter. Press and hold black rod shape button. You will hear a single beep and then a triple beep within seven (7) seconds, then release. Within five (5) seconds you need to press either the "off" or "on" button once and you will hear a double beep from the motor starter. Immediately then press button again and hear a triple beep. Transmitter and receiver are now programmed to match. Turn off power supply and safety disconnect.

#11. Make motor feed connections to 1/2, 3/4, and 5/6 terminals on the overload relay. Wire the lug connectors under the hold down plates that are in the same color order as on L1, L2, & L3 connections and to ground.

#12. Remove motor splice box cover. Check that the motor is properly connected for the voltage being supplied. Check tightness of all connections: motor and starter.

#13. Install cover on your motor starter. DO NOT crush the wiring inside. Tighten screws carefully (they're plastic and will break if over-tightened). Push in safety stop button.

#14. Turn on power supply. Press green button. The motor should not start. If it does, the safety stop is not applied (press stop in if running) or it may be misaligned. Disconnect and adjust the stop arm under the cover to the realigned position over the reset button.

#15. Release safety stop button by turning black knurl, underneath, in direction of arrow. Press green button to start motor blower. Stop motor blower by safety stop and release stop. Try starting the motor blower by Long Ranger™ transmitter, shut motor off with Long Ranger™ off button.

#16. Check motor rotation. There is a chance it's running incorrectly. **To change motor direction:** Change 2 phases at motor splice box connections. Do not change at motor starter as you could cross connect it and damage either the transformer or the Long Ranger™ receiver.

FCC ID: LQYRC001
This device complies with Part 15 of the FCC Regulations. The 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 be caused by any undesired operation.

WARNING
- This unit is only to be used for dust collection applications.
- This unit must be installed by a qualified electrician.
- This unit may be accidently activated by other RF transmitting devices, such as garage door openers, TV remotes, etc.
- Not for use on any device where accedintal starting may cause injury, such as power tools of any type.
- For interior use only, and keep unit dry at all times.
- Disconnect this module when not in use.
- No serviceable parts inside, disassembly of unit voids the warranty.