

AUTOMATIC POOL COVERS NEW ENGLAND

POWERTOUCH WIRING

Electrical Wiring Diagram

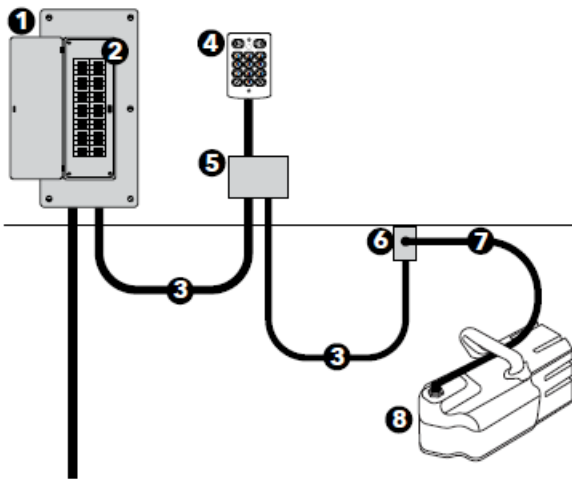
WARNING



WARNING

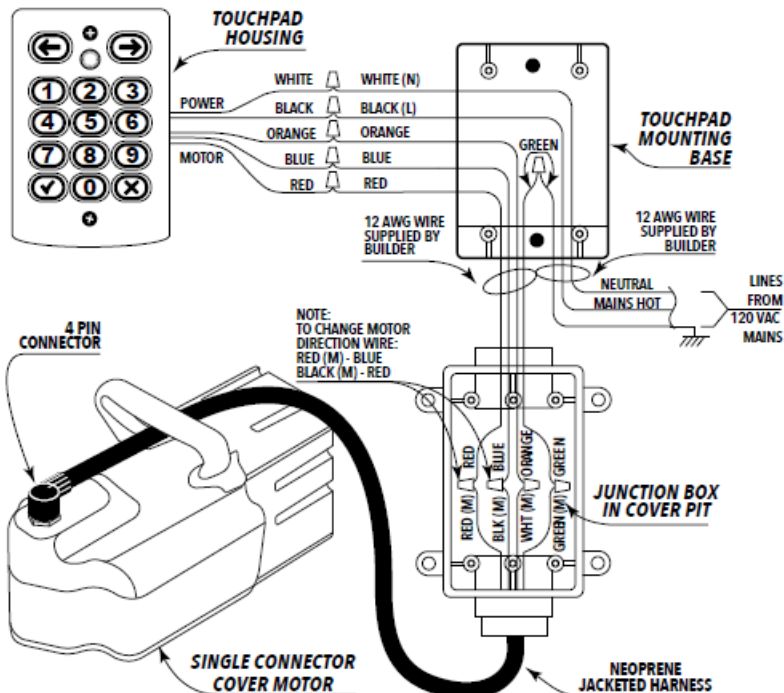
Do not attempt to connect, or disconnect, the control unit or motor harness while supply power is ON. Doing so can irreversibly damage controller and cover motor, and potentially cause serious injury or death.

SYSTEM LAYOUT



1. Main circuit breaker panel
 2. Dedicated 120VAC/20 amp GFCI-equipped circuit breaker - must be equipped with ground fault sensing provisions. **Do not share the circuit breaker with any AC loads.**
 3. High Voltage Conduit - holds 3 12 AWG wires for 120VAC @ 20 amps
 4. PowerTouch Control Pad - electronic module communicates with motor
- IMPORTANT:** The touch pad must be located in full view of pool, at least 5' above grade.
5. High Voltage Junction Box - outdoor rated PVC box supports the transition from underground conduit to 3-conductor harness
 6. High Voltage Junction Box - outdoor rated box provides shielding to connections from keypad and motor harness. Located in cover housing.
 7. Motor Harness - 4-conductor cable supplies high voltage drive to motor
 8. 120VAC 3/4HP Motor

WIRING



AC Requirements - Pull four (4) 12 gauge wires from the motor side of the recessed housing to the touch pad location. Pull a hot, a neutral and an unbroken green ground from the panel to the touch pad location. The power source must be on a 20 amp **dedicated GFCI breaker**. Follow all national and local codes regarding wire size, grounding and connectors.
NOTE: Bonding wire should be at both ends of the box.

Touch Pad Location - A 3/4" conduit needs to be connected from the motor side of the recessed housing to the touch pad location. The 3/4" conduit going into the recessed housing should junction into a standard J-Box.

IMPORTANT!

