



# ELECTRICAL INSTRUCTIONS

## CS1800 ELECTRIC UNDERGUIDE AND RECESSED TOPGUIDE

**BONDING** All Coverstar pool cover systems require bonding. The electrician should provide a #8 AWG solid copper ground from the pool equipment pad to a ground clamp on the electrical conduit inside the housing, with a 2-foot tail that will be attached to the mechanism ground bar. Be sure to follow local codes in all instances. **Note: Place bonding wires at each end of the housing.**

**GROUND FAULT CIRCUIT INTERRUPTER** A GFCI must be used in the electrical supply line for the motor. This should be on a separate dedicated circuit only for the pool cover.

**RUNNING WIRES** Bring 110V to the key switch. From the panel to the key switch, run 3 wires (hot, neutral and an unbroken ground). From the key switch to the motor end of the housing run 4 wires (two directional, a neutral and an unbroken ground). Terminate the wires in a weather tight "J" box. The motor is 110 volt, 3/4 HP with full load amperage of 8.8 amps. Follow all applicable codes regarding wire size, grounding, connections, etc.

**KEY SWITCHES** Mount a standard, single gang, all weather junction box for the key switch at a point where **100% of the pool is visible**. **This is a mandatory requirement to meet ASTM safety standards.** The key switch should **not** be placed in the mechanism box. This does not meet UL standards or code.

**OPTIONS** Coverstar has several different wiring options that includes limit switches, wireless remote control, water feature shutoffs etc. Contact your Coverstar distributor for details.

**Note:** Builder is responsible to bring proper electric lines, conduit and bonding to the mechanism.

