

Key Switch Installation Guide

Warning!!! - In order to meet the ASTM & UL requirements, this Key Switch must be installed within 30 feet of the pool and must be in direct sight of the pool. The Key Switch must also be mounted at least 5 feet above the ground. Failure to follow these instructions will invalidate the cover as a certified SAFETY COVER. PCS does not condone an installation that does not meet these requirements, and the cover's warranty will not cover damage resulting from improper installation.

The Key Switch is an option for operating the Infinity 4000™. It requires only three wires. The white wire, which is a positive 5V DC wire, is not used and needs to be capped off. Important Note: Prior to the installation, a conduit for the three Key Switch wires must be run from the pool cover housing to the location where the Key Switch will be installed. Note: It is possible to run wires for the low-voltage Key Switch in the same conduit as the 110V power wires that go to the motor; however, if you elect this option, in order to meet code, the Key Switch wires must be rated at least as high as the highest voltage wires sharing the same conduit.

Step 1: Mount the Key Switch enclosure onto the conduit in the desired location. This can be done with two screws through the mounting posts provided on the enclosure.

Step 2: Connect the red, black, and green wires from the gray 22/6 wire coming out of the motor to the three wires that you have provided in the conduit. Although not required, it is recommended that you match wire color when making the connections. If your wire colors do not match, make note that a color conversion has taken place when connecting these wires to the Key Switch. **Note: The green wire from the motor will also connect to the sensor wire.**

Step 3: Connect the wires in the conduit to the positions on the Key Switch. The green wire is connected to both sides of the jumper on the bottom of the Key Switch. The red and black wires go to the top two terminals of the jumper. See the Diagram below.

