

Power Climber hoists have been equipped with a thermal overload switch inside of the electrical motors. This switch is designed to protect the electrical motor from damage if the motor has too much heat.

One of the ways that heat causes damage is by melting the insulation of the individual wires in the motor windings. If too much heat builds up in the motor windings, the thermal is designed to shut down the normal operation of the control circuit and prevent more electricity being supplied to the windings. When the thermal overload is functioning normally, as soon as the heat leaves the motor, the thermal resets and normal operation can be resumed.

Verification of a bad thermal is checked with a multi-meter set on the continuity scale. It should have continuity with a resistance value of zero ohms.

The thermal overload is physically located within the motor windings, but it is part of the control circuit of the hoist. Therefore the symptoms of a bad or tripped thermal are that the hoist will do absolutely nothing.

For questions or comments, contact Customer Service at 1-800-560-CLIMB (2546) or customerservice@safeworks.com.