



HyTec^Ô Cooler Thermal Switch Installation

Congratulations on your purchase of the Noren Products, Inc. HyTec™ Cooling System. With our use of heat pipe technology we are able to efficiently remove excess heat from any oil reservoir, keeping your operational equipment running at optimum temperature.

The Thermal Switch functions as a thermal control switch for the HyTec Cooler. Once the HyTec Cooler is installed the cooling fans may be turned on and off at any specific set temperature.

Please review the materials and instructions below before proceeding. Unpack your shipment to see if you have received all the materials for this order.

Enclosed in the Package

- 1ea HyTec™ Thermal Switch Assembly
- 1ea Foam Spacing Collar
- 1ea Installation instructions and drawings

Important

The HyTec^Ô Cooler(s) must be installed before attempting this installation.

Installation and Setup

See reference drawings with this instruction packet.

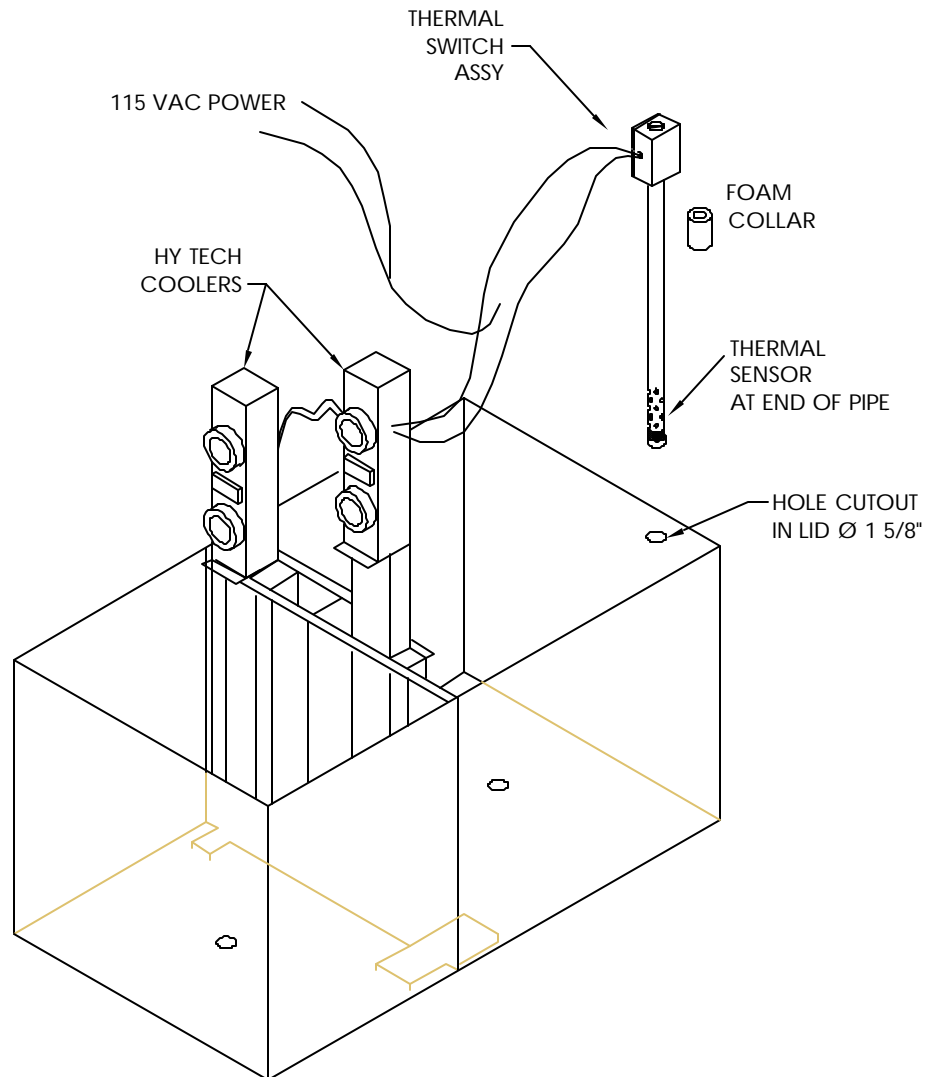
- 1) Locate where you will be taking oil temperature in the tank, and cut hole in tank lid at the desired location, 1 5/8" diameter: *See drawing: Thermal Switch Install.*
- 2) Determine height for thermal sensor which is located at the end of the pipe.
- 3) If needed, cut the Foam Collar material to the proper length to support the switch at the desired height in the oil.
- 4) Lower the Thermal Switch Assy through the hole in the tank and use the foam collar as needed.
- 5) Turn power off to the HyTec™ Cooler(s), now you may cut into one wire of the fan power leads, either one is fine; there is no difference which wire for this application.
- 6) Connect the Thermal Switch as shown in the drawing: *Thermal Switch Wiring.*
- 7) Once all power and ground connections are secure you may turn power on.
- 8) To test the Thermal Switch, turn the knob clockwise until fans switch ON.
- 9) Now set the desired temperature on the Thermal Switch and watch as it goes through a few test cycles turning the cooler fans ON then OFF again.

If you have any comments or questions please contact us at:

Noren Products, Inc. - HyTec^Ô Cooler - Sales and Technical Support - 650 322 9500

For more information please visit us at: www.norenproducts.com

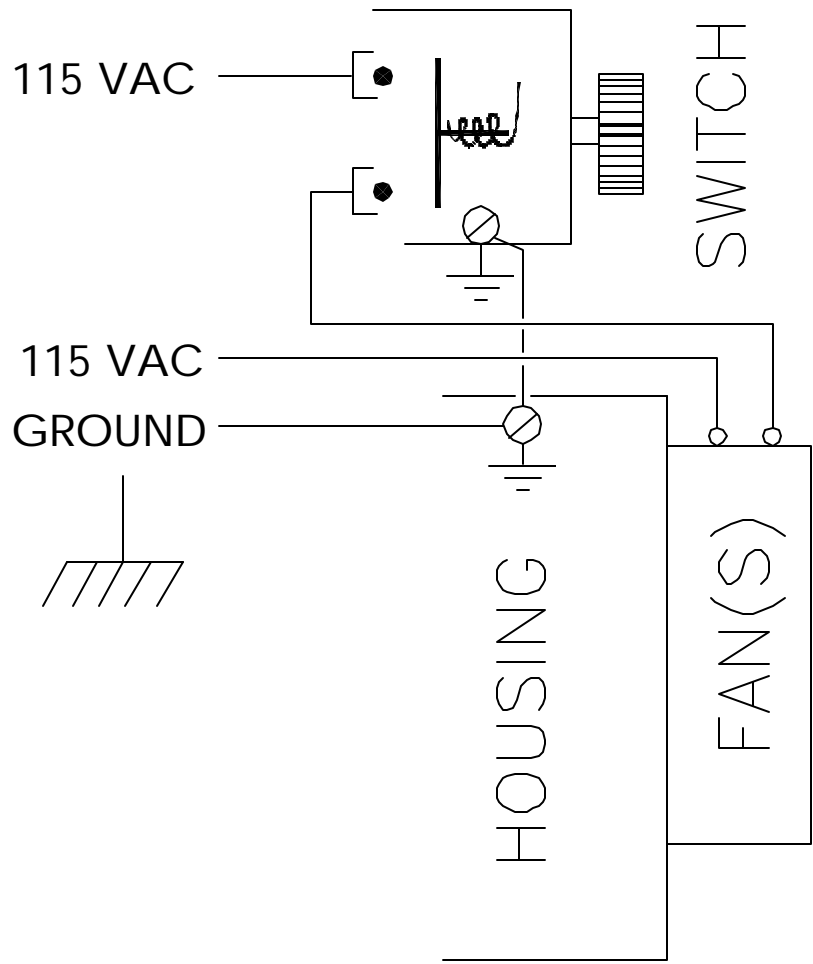
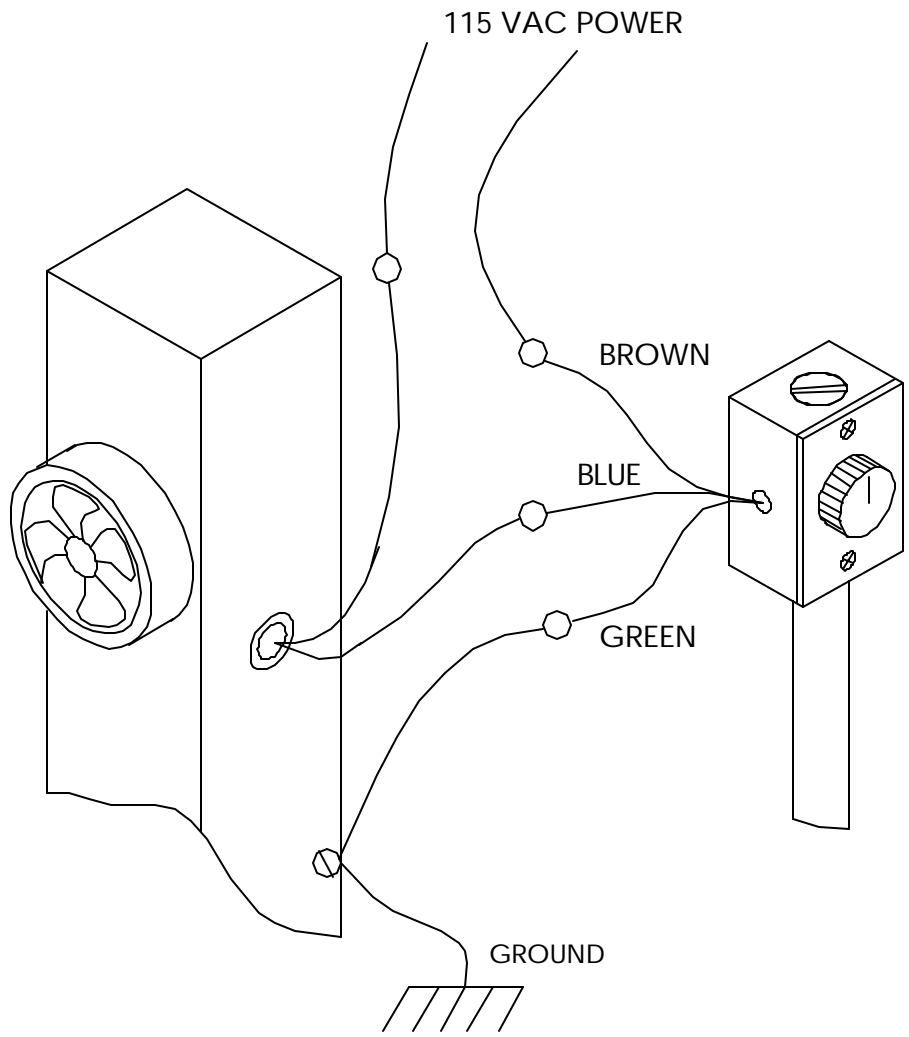
Installation and Setup



- 1) Locate where you will be taking oil temperature in tank, and cut hole in tank lid at the desired location, 1 5/ 8" diameter: See *drawing: Thermal Switch Install*.
- 2) Determine height for thermal sensor which is located at the end of the pipe on the Thermal Switch Assembly.
- 3) If needed, cut the Foam Collar material to the proper length to support the switch at the desired height in the oil.
- 4) Lower the Thermal Switch Assy through the hole in tank; use the Foam Collar as needed.
- 5) Turn power off to the HyTec[™] Cooler(s), now you may cut into *one wire* of the fan power leads, either one is fine; there is no difference which wire for this application.
- 6) Connect the Thermal Switch as shown in the drawing: See *drawing: Thermal Switch Install*.
- 7) Once all power and ground connections are secure you may turn power on.
- 8) To test the Thermal Switch, turn the knob clockwise until fans switch ON. Now set the desired temperature on the Thermal Switch and watch as it goes through a few test cycles turning the cooler fans ON then OFF again.

HY TECH THERMAL SWITCH INSTALL

BY: PG 1/7/04	NOREN PRODUCTS, INC. 1010 O'BRIEN DR. MENLO PARK, CA. 94025
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HY TEC THERMAL SWITCH WIRING

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