

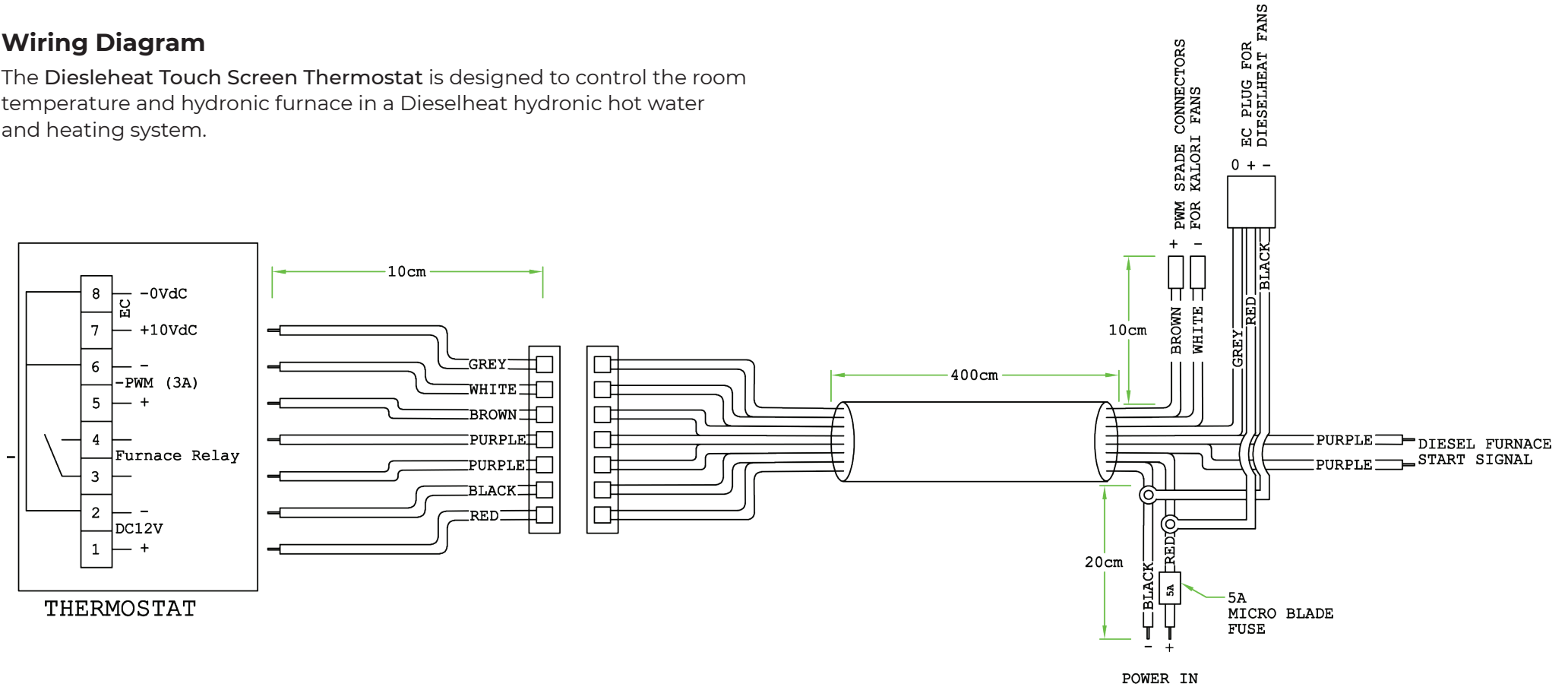
TOUCH SCREEN HYDRONIC THERMOSTAT

INSTALLATION MANUAL

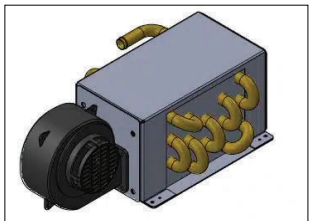


Wiring Diagram

The Dieselheat Touch Screen Thermostat is designed to control the room temperature and hydronic furnace in a Dieselheat hydronic hot water and heating system.



Dieselheat EC Fan

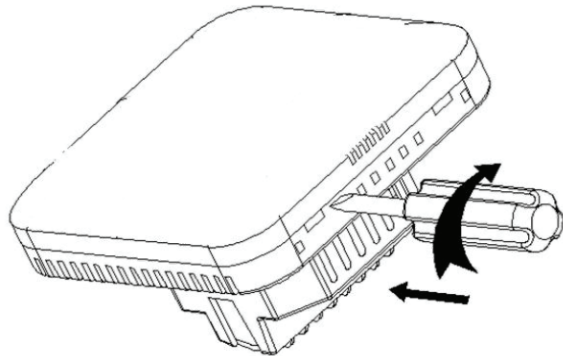


Kalori Fans

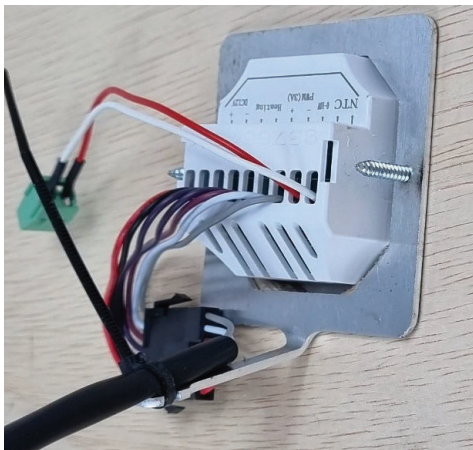


Mounting

1. Mount the thermostat in a location where the air temperature can be measured as accurately as possible without being affected by direct solar radiation or other source of heating or cooling.
2. To install the thermostat, drill a 60mm hole in the desired location.
3. Split the front face off the thermostat as shown below by gently prying gently on the **bottom side**.



4. Place the retainer plate on the inside of the mounting position and hold in place with the 2 self tapping screws which are supplied. Fold up the cable strain bracket and cable tie the loom to it so that there is no weight on the cables or the cable connector.



Supported Fans

This thermostat supports 2 kinds of fans. Connection of an unsupported fan may damage the thermostat.

Kalori Fans

This connection is designed to run Kalori fan heads with simple 12v 2 wire fans, i.e. VA200, Silencio 2 or Silencio FA as sold by Dieselheat. The controller uses Pulse Wave Modulation (PWM) to directly control the fan speed, so all the power being used by the fan is passing through the thermostat. The rated capacity of the thermostat is 3A but we suggest a maximum of 2 fan motors be connected to any thermostat.

EC Fans

This connection is to run 0-10v electronically controlled 3 wire fans such as the Dieselheat ducted fan units. These fans have in-built microprocessors that use a 0-10v signal to control their speed. The EC fan output cannot directly control a fan motor and connecting this output to any other kind of fan may damage the thermostat.

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