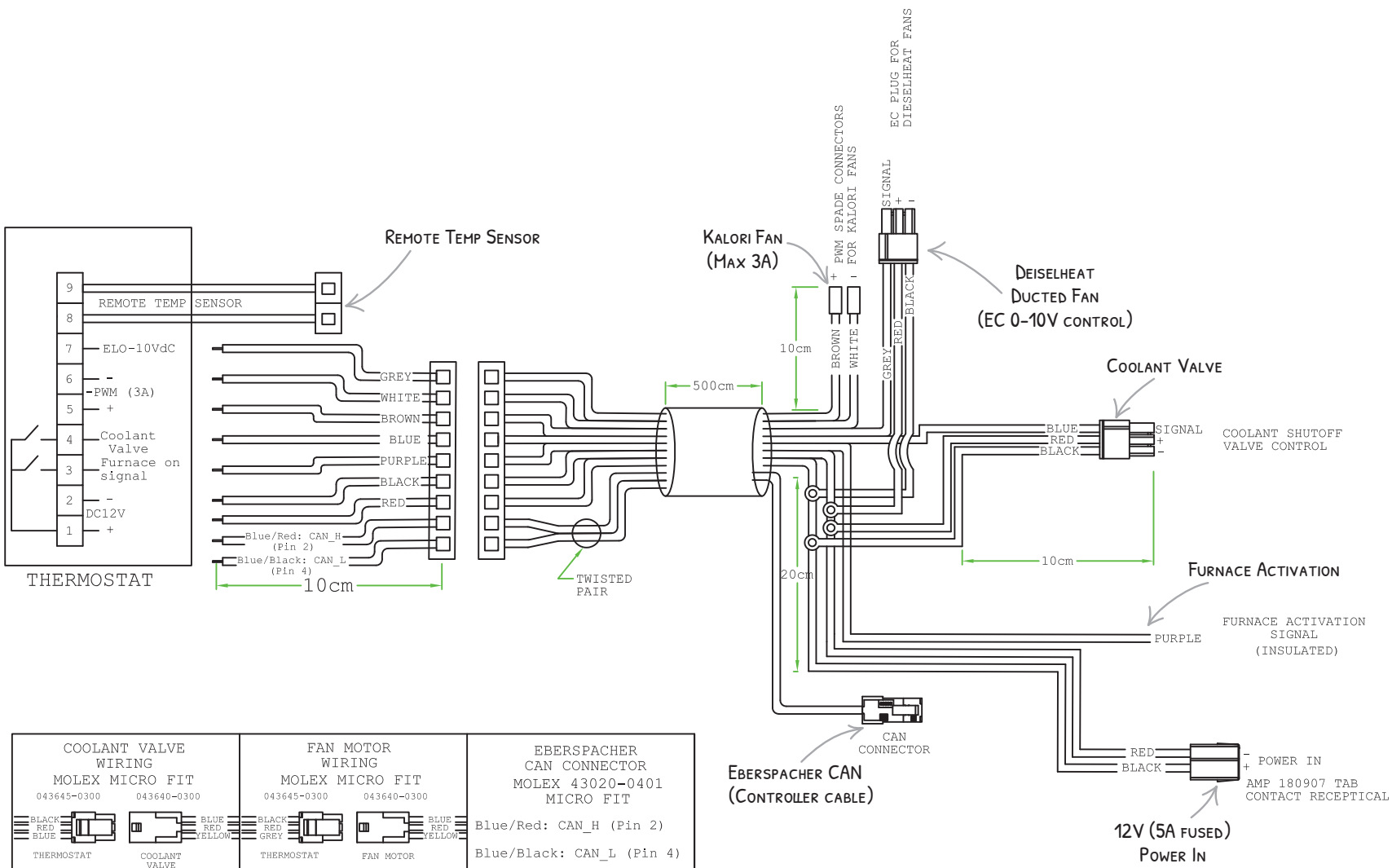
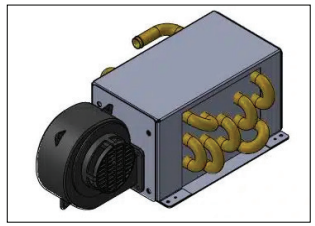
TOUCH SCREEN HYDRONIC THERMOSTAT

INSTALLATION MANUAL - WIRING DIAGRAM



COOLANT VALVE WIRING MOLEX MICRO FIT	FAN MOTOR WIRING MOLEX MICRO FIT	EBERSPACHER CAN CONNECTOR MOLEX 43020-0401 MICRO FIT
043645-0300 — 043640-0300	043645-0300 — 043640-0300	Blue/Red: CAN_H (Pin 2)
BLACK, RED, BLUE — BLUE, RED, YELLOW	BLACK, RED, GREY — BLUE, RED, YELLOW	Blue/Black: CAN_L (Pin 4)
THERMOSTAT — COOLANT VALVE	THERMOSTAT — FAN MOTOR	
43030 F CRIMP TERMINALS — 43031 M CRIMP TERMINALS	43030 F CRIMP TERMINALS — 43031 M CRIMP TERMINALS	

Dieselheat EC Fan



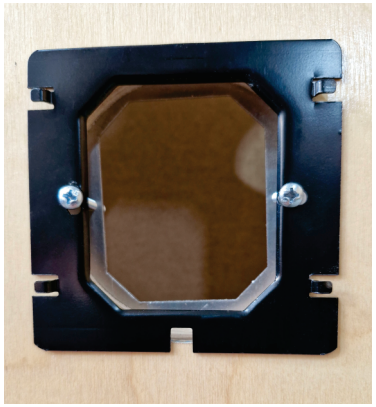
Kalori Fans

Mounting

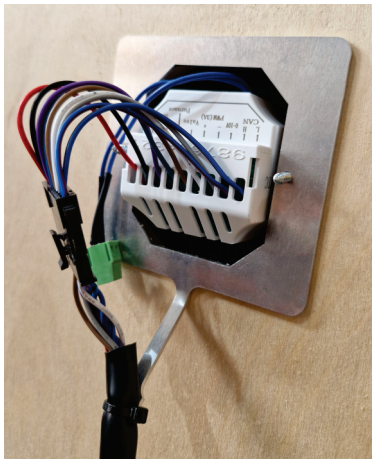
1. Mount the thermostat in a location (around chest height) where the air temperature can be measured as accurately as possible without being affected by direct solar radiation or other source of heating or cooling.

2. To install the thermostat, drill a **75 mm** hole in the desired location.

3. Screw the thermostat mounting plate to the backing plate with the 2 supplied screws.



4. Mount the termostat. Fold up the cable strain bracket and cable tie the loom to it.



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 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. The rated capacity of the thermostat is 3A, we suggest a maximum of 2 fan motors be connected to one thermostat.

EC Fans

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

Optional Remote Temperature Sensor

The supplied wired remote temperature sensor can be used if the thermostat is installed in a position where it cannot adequately sense the room temperature. The thermostat will automatically use the wired remote temperature sensor to sense the room temperature when it is installed.

Displaying Hot Water Temperature

For Electric Solar hot water systems the dieselheat thermostat can be set to read and display the hot water temperature.

Install the remote temperature sensor which is supplied with the thermostat on the hot water tank. Follow the instructions supplied with the thermostat to set Parameter 16 to 1 (default is 0). In this mode the thermostat will use its internal sensor to sense air temperature for controlling air heating and will display the hot water temperature measured by the external probe in the top right corner of the screen.