

2 Stage 30/50 Add-on Kit

Installation Instructions

Before starting work on any high voltage (120/240V AC) project, turn off power to affected areas. To accomplish this shut down all shore power sources, including generators and inverters. In addition, adhere to all U.S. electrical codes

ELECTRICAL DATA

1. All wiring must comply with local and national electrical codes and be installed by a qualified electrician.
2. All wiring/cabling that passes through electrical boxes and panels **MUST** have cable clamps installed to prevent wire chaffing.
3. Contact a qualified electrician with any questions about the following instructions.
4. Check the available power supply and resolve any wiring problems **BEFORE** installing or operating this unit.
5. The CheapHeat™ is designed to operate from a 30 amp, 120V AC, 60Hz shore power supply for the 1800 watt configuration and a 50 amp, 240V AC, 60Hz shore power supply for the 3750 watt and 5000 watt configurations.
6. The wiring diagrams and specifications with respect to wire size, fuse/breaker size, and grounding requirements must be followed.
7. Do not immerse in water.
8. To provide continued protection against risk of electric shock, connect to properly grounded outlets only.

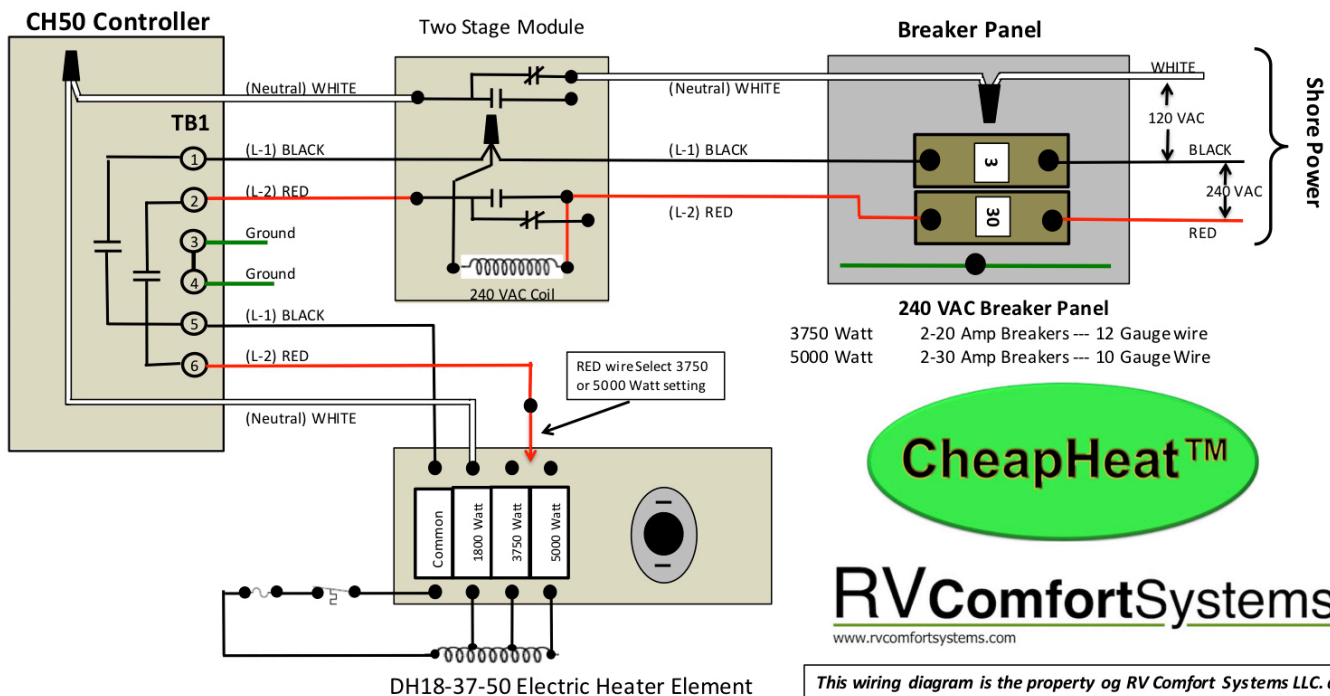
This Kit will determine whether your RV is plugged into a 30 or 50 amp shore power and automatically switch to LOW heat when your on a 30 amp service, and MEDIUM or HIGH heat when your attached to a 50 amp shore power service.

It needs to be made clear, LOW heat is designed to be use on smaller RV's 20 to 25 ft. Because a 30 amp @ 120 VAC service only has 1/3 of the power available compared to a 50 amp @ 120/240 VAC shore power service. That being said, when our system is operated on **LOW heat it will be 2/3 LESS HEAT than the High setting**. Also, because the LOW heat used 15 amps @ 120 VAC you will only be able to use one additional appliance of around 10 amps @ 120 VAC along with your lights and TV without tripping the 30 amp shore power breaker.

This kit will require 3 conductor with ground, 10 gauge Romex wire from the breaker box all the way through the controller to the heaters power head. Also, the color codes and wire connections shown on the instructions **MUST** be followed exactly, without exception, for the system to work correctly and be safe.

High Voltage Wiring for

Wire color codes and wiring to terminals
must be followed **EXACTLY** as shown.



This wiring diagram is the property of RV Comfort Systems LLC. and may not be copied or reproduced without written permission from RV Comfort Systems LLC. PO Box 1554 Bothell, WA 98041