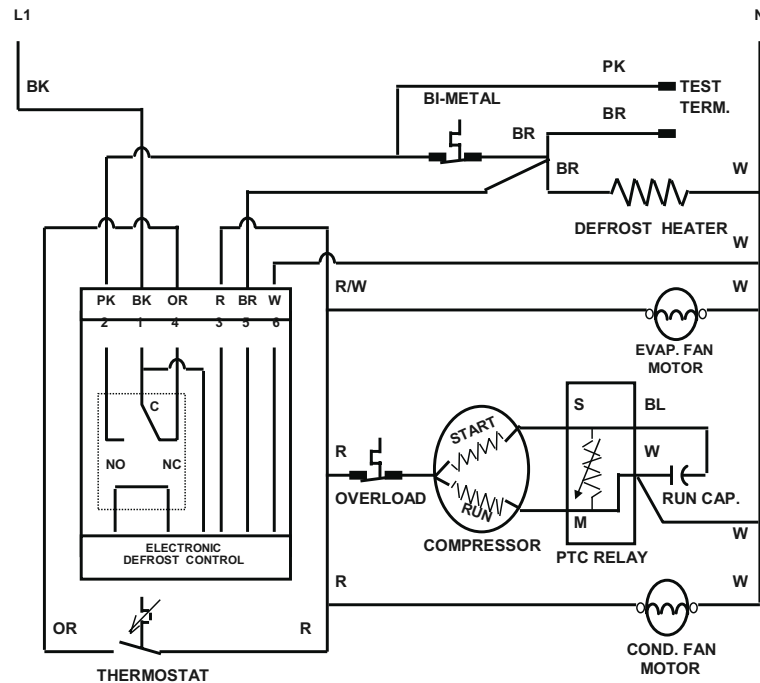


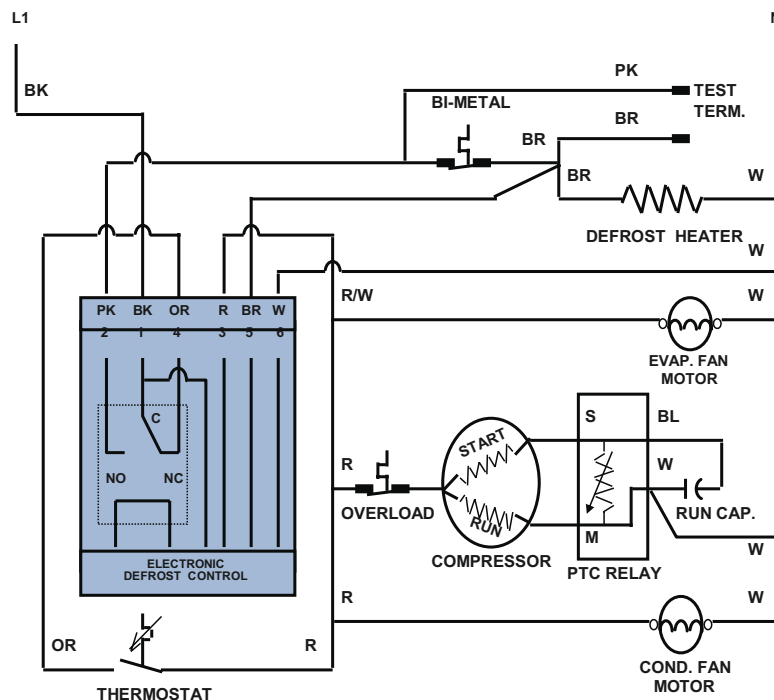
ADC - Basic Wiring Diagram

Basic Wiring Diagram



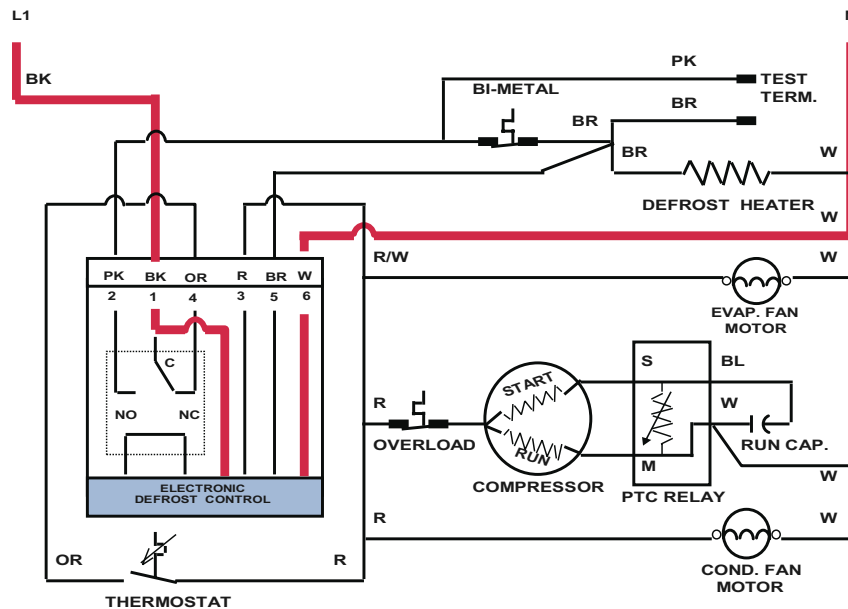
ADC - Control Board Highlighted

ADC Circuit Board Assembly



ADC Energized

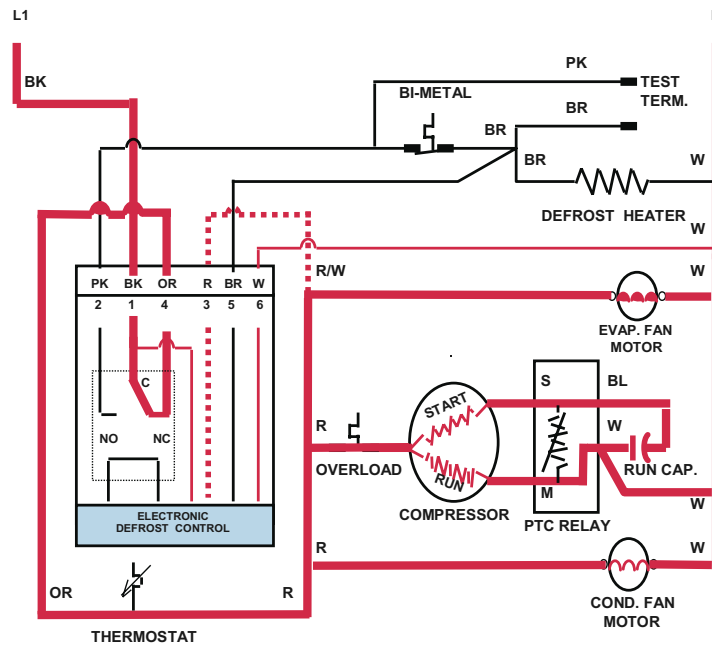
Electronic Control Energized



The ADC control is supplied 120 VAC at pins#1 and 6

Cooling Mode Circuitry

Cooling Mode



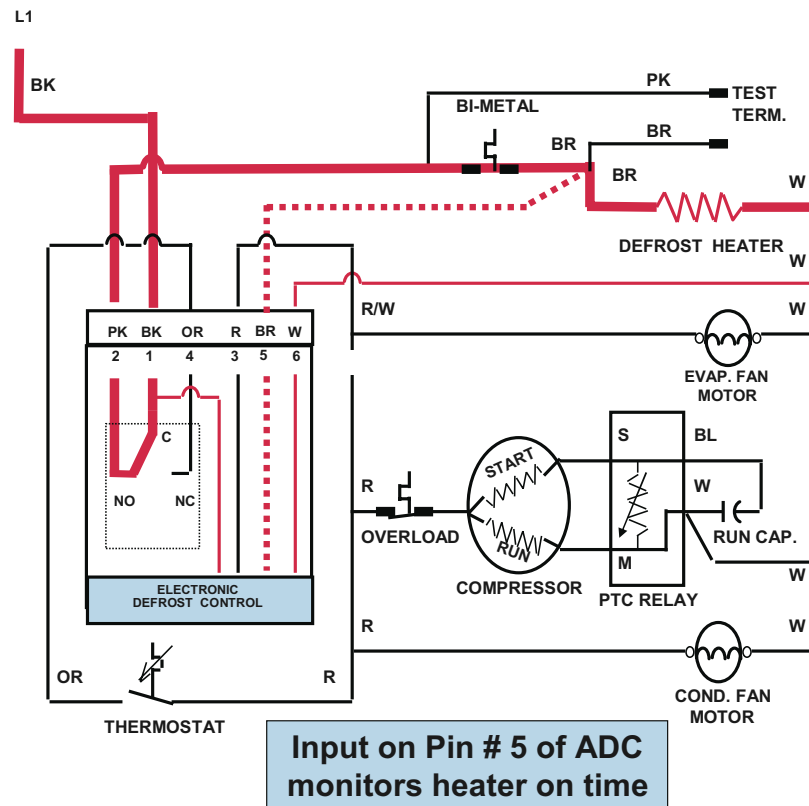
**Input on Pin # 3 of ADC
monitors Compressor run time**

The ADC control supplies 120 VAC to the cooling circuit out of pin #4

The control monitors the compressor run time using an input signal on pin #3

Defrost Mode Circuitry

Defrost Mode



The ADC supplies 120 VAC to the defrost circuit from pin #2

The ADC monitors the amount of time the heater is energizes using an input signal on pin #5

Testing and Diagnosis

First ADC Test Method:

- Turn thermostat off for 15 seconds
- Turn thermostat on for 5 seconds
- Repeat the above two more times
- In 3 to 8 seconds ADC goes into defrost mode
- If ADC fails to go into test mode, try second test mode

Second ADC Test Method:

- Unplug unit from wall outlet for 30 seconds
- Turn thermostat off
- Plug in unit
- In 3 to 8 seconds ADC goes into defrost mode
- If ADC fails to go into test mode, check the bimetal