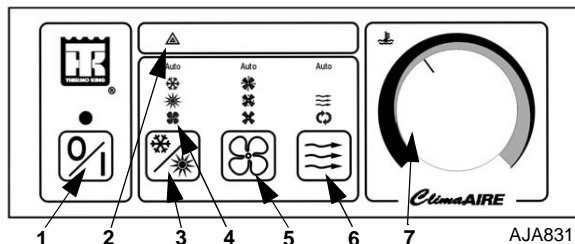


Test Mode

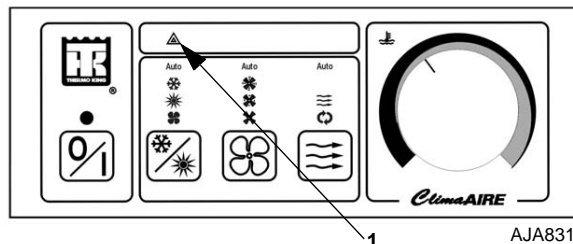


1.	On/Off Key
2.	Red Alarm LED
3.	Mode Selection Key
4.	Ventilation Mode LED
5.	Fan Speed Selection Key
6.	Air Selection Key
7.	Thermostat Knob

The test mode is used to energize each of the controller outputs to verify proper operation of relays, display indicators and outputs. Complete the following procedure to test your controller.

1. Press the ON/OFF Key to the OFF position. Press the MODE SELECTION Key and the ON/OFF Key simultaneously for 3 seconds. The Red ALARM LED will flash and the VENTILATION MODE LED will illuminate. The controller is now in the test mode.
2. Press the FAN SPEED SELECTION Key and cycle thru the low, medium and high fan speeds. Check for LED illumination and the evaporator fan speed changing accordingly.
3. Press the AIR SELECTION Key and cycle thru the air selection modes. Check for proper LED illumination and damper position. In the Recirculate Mode, the fresh air damper is closed. In the Fresh Air Mode, the damper is open.
4. Turn the thermostat knob to the extreme left. In this position, cool air should be coming out of the air vents.
5. Turn the thermostat knob to the extreme right. In this position, warm air should be coming out of the air vents.
6. When testing is complete, press the ON/OFF Key to the OFF position. When the key is in the OFF position, the green indicator light above the key is not illuminated.
7. If the controller fails any of the test mode conditions, contact a qualified Thermo King service technician to correct the problem.

Alarm Codes



1.	Alarm LED
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The Alarm LED will illuminate in the following two conditions:

- The Alarm LED illuminates when high or low pressure switches are off longer than 10 minutes.
- The Alarm LED will flash on and off when high or low pressure switches are off 5 times per 10 minutes.

In both cases, the unit will switch to the VENT mode. To continue to operate, the unit will have to be restarted with the ON/OFF key.

Warranty Instructions

Should you require warranty service during the warranty period, simply present your copy of the Warranty Certificate at any of the dealer locations shown in the Thermo King Service Directory. Terms of the complete Thermo King Corporation Warranty are available on request.



CAUTION: This is a quick reference guide. Always refer to the operating manual for detailed instructions.

ClimaAIRE™ Controller Operating Guide



AJA833

Control Panel Descriptions

Operating Instructions

Alarm Codes

Specifications

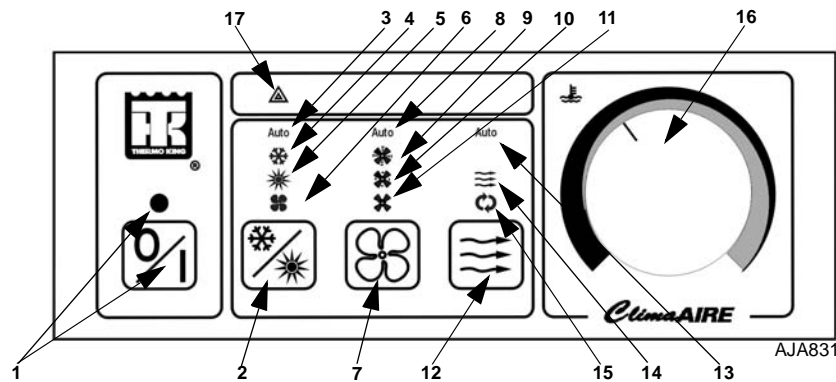
Warranty Service Instructions



THERMO KING

TK 51149-3-PC © Thermo King Corporation

ClimaAIRE™ Controller Features



Control Panel Descriptions



CAUTION: The unit can automatically start and run anytime the ON/OFF key is in the ON position.

- 1. ON/OFF Key:** When this key is in the ON position, power is applied to the system. The green indicator light above the key is illuminated. When the key is in the OFF position, power is turned off. The system is shut down. The unit is not operating. The green indicator light above the key is not illuminated.
- 2. MODE SELECTION KEY:** Selects the following Reheat/Auto, Cool, Heat or Ventilation modes.
- 3. REHEAT/AUTO MODE LED:** This LED illuminates when selected with the Mode Selection Key. In this mode, the unit will cool or heat the bus according to thermostat requirements.
- 4. A/C MODE LED:** This LED illuminates when selected with the Mode Selection Key. In this mode, the unit will cool the bus according to thermostat requirements.
- 5. HEAT MODE LED:** This LED illuminates when selected with the Mode Selection Key. In this mode, the unit will heat the bus according to thermostat requirements. (Only on units equipped with heating capability)
- 6. VENTILATION MODE LED:** This LED illuminates when selected with the Mode Selection Key. In this mode, only the evaporator fans are operating to circulate the air throughout the passenger compartment.
- 7. FAN SPEED SELECTION KEY:** Selects the following Auto, High, Medium, or low Evaporator Fan Speed.
- 8. AUTOMATIC FAN SPEED LED:** This LED illuminates when selected with the Fan Speed Selection Key. When selected, the evaporator fans are controlled automatically depending on the thermostat setpoint and passenger compartment conditions.

Control Panel Descriptions

- 9. HIGH FAN SPEED LED:** This LED illuminates when selected with the Fan Speed Selection Key. When selected, the evaporator fans run at high speed.
- 10. MEDIUM FAN SPEED LED:** This LED illuminates when selected with the Fan Speed Selection Key. When selected, the evaporator fans run at medium speed.
- 11. LOW FAN SPEED LED:** This LED illuminates when selected with the Fan Speed Selection Key. When selected, the evaporator fans run at low speed.
- 12. AIR SELECTION KEY:** Selects the auto, fresh air or recirculate air mode.
- 13. AUTOMATIC AIR LED:** This LED illuminates when selected with the Air Selection Key. When selected, internal air movement is controlled automatically depending on passenger compartment conditions.
- 14. FRESH AIR LED:** This LED illuminates when selected with the Air Selection Key. When selected, outside air is brought into the passenger compartment.
- 15. RECIRCULATE AIR LED:** This LED illuminates when selected with the Air Selection Key. When selected, air within the passenger compartment is recirculated.
- 16. THERMOSTAT:** The thermostat adjustment is located on the right side of the controller panel. The dial on the thermostat controls the cooling and heating functions of the unit and will maintain temperatures between 17C(63F) - 27C (80F) depending on the thermostat setting.
- 17. RED ALARM SYMBOL LED:** This LED illuminates when an alarm condition occurs.

Operating Instructions



CAUTION: The unit can automatically start and run anytime the ON/OFF key is in the ON position.

- 1. Start the Unit.** Press the ON/OFF Key to the ON position. When this key is in the ON position the green indicator LED above the key is illuminated.
- 2. Select Heating/Cooling Mode.** Press the Mode Selection Key until the desired mode LED is illuminated. In the REHEAT/AUTO mode the unit will cool or heat the bus according to thermostat requirements. In the A/C MODE, the unit will cool the bus according to thermostat requirements. In the HEAT mode, the unit will heat the bus according to thermostat requirements. (Only on units equipped with heating capability) In the VENTILATION mode, only the evaporator fans are operating to circulate the air throughout the passenger compartment.
- 3. Select Fan Speed.** Press the Fan Speed Selection Key until the desired speed LED is illuminated. When the AUTOMATIC FAN SPEED LED is selected, the Evaporator fans are controlled automatically. When the HIGH FAN SPEED LED is selected, the evaporator fans run at high speed. When the MEDIUM FAN SPEED LED is selected, the evaporator fans run at medium speed. When the LOW FAN SPEED LED is selected, the evaporator fans run at low speed.
- 4. Select Fresh or Recirculated Air.** Press the Air Selection Key until the desired air selection LED is illuminated. When the AUTOMATIC AIR LED is selected, internal air movement is controlled automatically depending on passenger compartment conditions. When the FRESH AIR LED is selected outside air is brought into the passenger compartment. When the RECIRCULATED AIR LED is selected, air within the passenger compartment is recirculated.
- 5. Adjust Thermostat (as needed).** The thermostat controls the cooling and heating functions of the unit and will maintain temperatures between 17C(63F) - 27C (80°F). To warm the passenger compartment, Turn the dial to the right (wider red line is warmer) To cool the passenger compartment, Turn the dial to the left. (wider blue line is cooler)