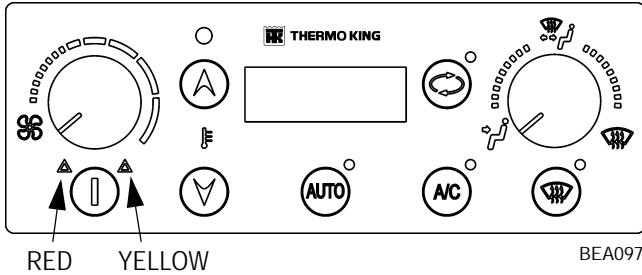


Alarms



The **Red Alarm** Symbol (LED) will be ON in the case of:

- high or low pressure alarm.
- clutch or compressor harness failure.

In both cases, the unit will not work in Cool Mode.

The **Yellow Alarm** Symbol (LED) will be ON in case of:

- temperature sensors failure.
- preheater failure.

In these cases the unit will work with the wrong data from the sensor.

To restart the unit, press twice the key ON/OFF (1) to switch OFF and ON the unit.



ATTENTION: If the alarm comes up again, don't restart and see your nearest dealer for service.



CAUTION: The unit can automatically start and run anytime the ignition key is in the ON or OFF position. No matter if the ON/OFF switch is ON or OFF (depends on setup program).

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 driver's reference guide. If further information is required, consult your Thermo King service directory for the location and phone of the local dealer.

FrontAIRE II™

Controller Operator's Manual



BEA102

Control Panel Descriptions

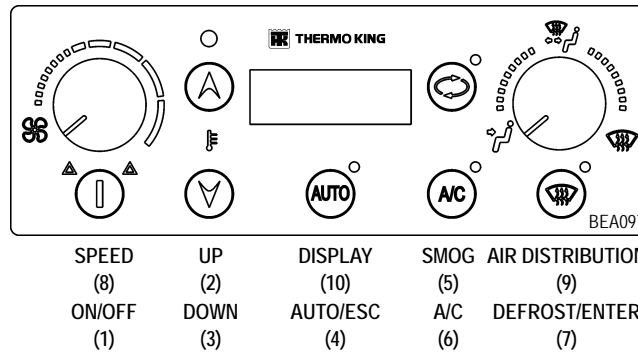
Operating Instructions

Alarms



THERMO KING

TK 53094-3-PC (07/2009), valid since firmware 1.2.05
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Operating Instructions

Turn the system ON by pressing key ON/OFF (1) - the display shows temperature. The system is in Auto Mode - the LED AUTO is ON. Use keys UP (2) or DOWN (3) to set the required setpoint.

Adjust the system by using keys AUTO (4), SMOG (5), A/C (6) and DEFROST (7), knobs SPEED (8) and AIR DISTRIBUTION (9).

To keep the constant temperature in the driver compartment press keys AUTO (4) and A/C (6) to ON state - both LED's are ON, and use keys UP (2) and DOWN (3) to set the required setpoint.

Turn the system OFF by pressing key ON/OFF (1) - the display shows the real time.

Control Panel Descriptions

GENERAL FOR SETTING

In the working mode press and hold AUTO (4) for 5 sec. The display shows "TIME". Press ENTER (7) to show the real time. Press ENTER (7) again to show a blinking number. For the setting use UP (2) and DOWN (3), for the confirmation use ENTER (7). To go back to the working mode press ESC (4) three times.

TIME AND DATE SETTING

Real time / hours - left blinking numbers w/o dots (set hours)
 Real time / minutes - right blinking numbers w/o dots (set min)
 Real date / day (set day)
 Real date / month (set month)
 Real date / year (set year)

PREHEATER TIME SETTING

Preheater start time / hours - left blinking numbers w/ dots
 Preheater start time / minutes - right blinking numbers w/ dots



(1) ON/OFF KEY

To turn the unit ON, press the key.
 To turn the unit OFF, press the key again.

(2), (3) UP, DOWN KEYS



Higher Value Key: Press the key to increase the desired setpoint. The maximum is 27 °C (80 °F). For permanent heating set HI on the display.



Lower Value Key: Press the key to decrease the desired setpoint. The minimum is 18 °C (64 °F). For permanent cooling set LO on the display and press A/C (6), LED A/C is ON. For permanent ventilation set LO on the display, LED A/C is OFF.

Manual Mode: Press UP (2) and DOWN (3) simultaneously. Use UP (2) or DOWN (3) to set opening of the water valve (Hxxx %).



(4) AUTO KEY

Auto Mode: The unit will heat or ventilate the driver compartment automatically (according to the desired setpoint and compartment conditions), LED A/C is OFF.

Reheat/Auto Mode: The unit will cool or heat the driver compartment automatically (according to the desired setpoint and compartment conditions), LED A/C is ON.

The speed of the blower will set automatically (according to the desired setpoint and compartment conditions).



(5) SMOG KEY

Recirculated Air: The fresh air damper is closed for 10 minutes (according to the parameter), LED is ON.



(6) A/C KEY

Aircondition Mode: The unit will operate in the cool or in the reheat mode, LED is ON.



(7) DEFROST KEY

Defrost / Demist Mode: The unit will defrost or demist the windshield, LED is ON.



(8) SPEED KNOB

The stepless control of the blower speed.

To decrease the blower speed, turn the knob to the LEFT.

To increase the blower speed, turn the knob to the RIGHT.

Turning the knob will cancel Auto Mode, LED is OFF. The minimum blower speed to set is 20 % of the maximum air flow.

(9) AIR DISTRIBUTION KNOB

The stepless control of the air distribution damper.



Turn the knob to the LEFT to distribute air to the driver.



Turn the knob to the MIDDLE to distribute air to the driver and to the windshield.



Turn the knob to the RIGHT to distribute air to the windshield.

(10) DISPLAY

The display shows the real time when the system is OFF.

The display shows the required setpoint when the system is ON.

The brightness of the display and LED's is controlled automatically according to the external light condition.