HMI CONTROLLER FUNCTIONS

TURN SYSTEM ON: Press Mode Selection knob for at least 1 second to turn system on**.** HMI Icons will illuminate.

TURN SYSTEM OFF: Press Mode Selection knob for 3 seconds to turn system off. HMI Icons will shut off.
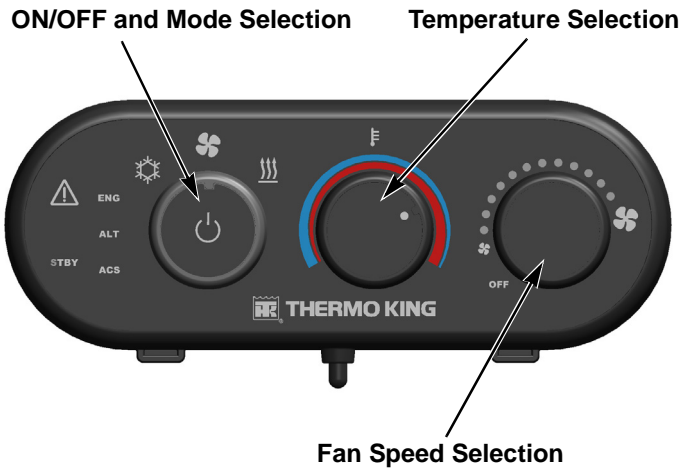
NOTE: The display will dim after two minutes if no selections are made. "Bump" the On/Off mode selection knob to activate the display for an additional two minutes.

MODE SELECTION: Rotate Mode Selection knob to choose **COOL, FAN** or **HEAT**. Icon selected will illuminate.

TEMPERATURE SELECTION: Rotate Temperature Selection knob to raise or lower temperature.

FAN SPEED SELECTION: Rotate Fan Speed Selection knob to set desired fan speed (Off-Low-Medium-High). LEDs will illuminate to represent fan speed.

NOTE: Groups of four LED's will illuminate to represent the selected fan speed.

ON/OFF and Mode Selection   **Temperature Selection**

Fan Speed Selection

MODE SELECTION - COOL

This selection provides sleeper compartment air conditioning.
The A/C will shut off when sleeper compartment temperature reaches the set point selected by the HMI. If the sleeper compartment temperature rises several degrees above set point the APU will restart.

1. Turn System **ON.**

2. Rotate Mode Selection knob to **COOL** Mode.*****

3. Rotate Temperature Selection knob to raise or lower temperature.

4. To change the fan speed, rotate Fan Speed Selection knob to desired speed (Low-Medium-High).*****

*The fan operates automatically in the LOW speed setting when in Cool Mode. There is no fan off setting while the A/C is operating.

Cool Mode

SYSTEM STATUS DISPLAY

Standby Icon - The STBY icon is illuminated when the system is in Standby or Monitor mode. To change the mode from Standby to HVAC, bump the Mode Selection Knob or turn any one of the knobs.
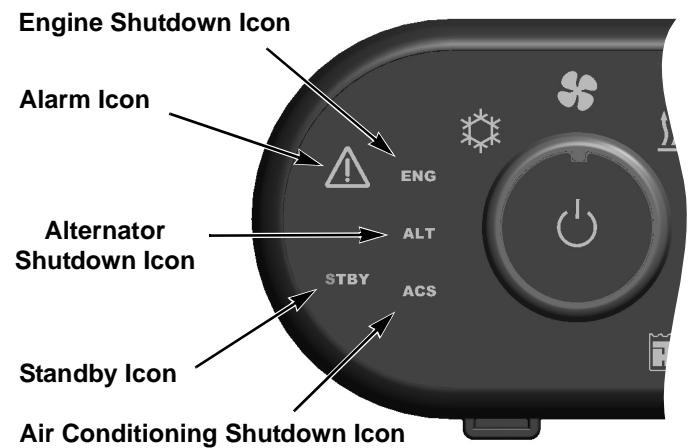
Alarm Icon - The Alarm icon is illuminated either red or yellow if the system has an active alarm:

- **Yellow** - Check Alarms
- **Red -** Shutdown Alarms

Along with the Red Shutdown Alarm Icon, one of the green alarm LED's (ENG, ALT, ACS) will also illuminate to help identify the problem area:

- **ENG** - engine related alarms
- **ALT** - alternator or charging system alarms
- **ACS** - air conditioning system related alarms

NOTE: See Alarm Codes section for further details.

Engine Shutdown Icon

Alarm Icon

Alternator Shutdown Icon

Standby Icon

Air Conditioning Shutdown Icon

MODE SELECTION - FAN ONLY

This selection provides sleeper compartment FAN (air circulation).

1. Turn System **ON**.

2. Rotate MODE Selection knob to **FAN** Mode.

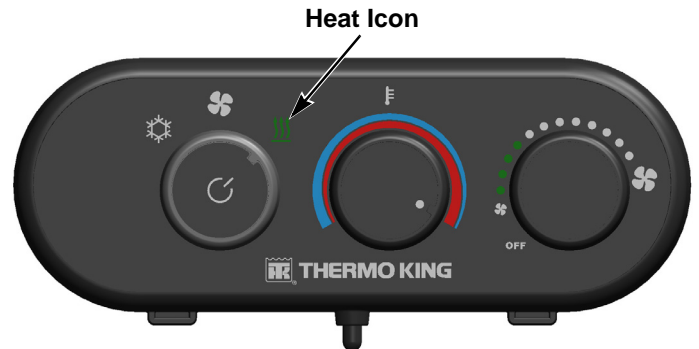3. Rotate FAN knob to desired fan speed (Off-Low-Medium-High).

Fan Icon

TriPac EVOLUTION ™

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MODE SELECTION - HEAT

Heat Icon

1. Turn System **ON**.

2. Rotate MODE Selection knob to **HEAT** Mode.

3. **a** - Rotate Temperature Selection knob to raise or lower desired temperature.

   b - When in **HEAT** Mode, OFF is the default fan speed setting. Heated air is provided by the heater's internal fan which is not adjustable.

NOTE: Rotate Fan Speed Selection knob if additional air circulation is required.

THERMO KING

ALARM CODES

The APU control system continually monitors the unit's operation and will generate an alarm code(s) if any problems are found. If the APU has an alarm condition an illuminated icon on the HMI controller will be displayed.

- **YELLOW - Check Alarm.** This alarm serves as a notice to take corrective action at the earliest convenience before a problem become severe. The system will continue to operate but some features and functions may be inhibited or disabled.

- **RED - Shutdown Alarm**. This alarm serves as a notice that a potentially severe problem exists and immediate corrective action should be taken. The system will not operate. Along with the Red Shutdown Alarm Icon, one or more green alarm LED's (ENG, ALT, ACS) will also illuminate to help identify the problem area(s).
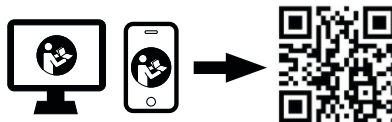
Clearing Alarms

Alarm codes can be cleared by turning the HMI off and back on again. If the condition that caused the alarm still exists, the alarm will return. Contact the nearest Thermo King Dealer if alarms continue to appear.

OTHER SYSTEM CHARACTERISTICS

The following APU system functions are disabled when the APU is turned off:

- Arctic Option
- Battery Voltage Monitoring

THERMO KING

OPERATOR MANUAL

Manuals can be found by scanning the QR code, calling the Cold Line

(888) 887-2202

or download from

www.thermoking.com/manuals RCS1589