**SIMPLE TO SWITCH**

Switching from Diesel to Electric Operation

**Switching from Electric to Diesel Operation**

**CAUTION**

Risk of Injury!
The motor may start automatically any time the unit is turned on.

Automatic Switching to Electric: The electric motor starting is automatic in both Continuous Mode and Cycle-Save Mode when the Auto-Switching Enabled feature is set to YES and electric standby power is connected.

Manually Switching from Diesel to Electric: The unit will need to be manually switched to Electric Mode only when the unit is operating in Diesel Mode and Auto-Switching Enabled feature is set to NO.

To manually switch to Electric Mode:
1. Connect standby power cord to receptacle.
2. Turn standby power source on.

**To manually switch to Diesel Mode:**
- Electric Standby Detect will be displayed when electric standby power is connected and available to the unit while operating on diesel power.
- Switch from diesel mode to electric mode by pressing Key 3 directly below the “YES” box.
- The engine may start automatically any time the unit is turned on.

**SIMPLE TO DEFROST**

Initiate Manual Defrost

Defrost cycles are usually initiated automatically based on time and demand. The operator can also initiate a manual defrost if necessary. Manual defrost is only available if the unit is running and the evaporator coil temperature is less than or equal to 45°F (7°C).

**Note:** Other features such as door switch settings may not allow manual defrost under certain conditions.

If the defrost parameters are met — HMI will display “PROGRAMMING DEFROST” followed by “DEFROST IN PROGRESS.”
- In Defrost Mode, the trailer temperature box will be replaced by defrost information and trailer temp box and dashboard will change its color to “purple.”
- Additionally, the return air temperature (trailer temp) will be replaced by the coil icon and a intermediate spinner on top with a display progress bar for the remaining defrost time across the bottom.

When the defrost is complete, the HMI will display “EXITING DEFROST” for 2 seconds and return to the standard display.

**CAUTION**

Risk of Injury:
The motor may start automatically any time the unit is turned on.

The unit can be manually switched to Diesel Mode from the MAIN MENU while operating in Electric Mode.

Press the ACCEPT/ENTER Key to activate Diesel Mode.

The INFORMATION icon will appear in the setpoint window.

**CHECK ACTIVE icon will appear in the setpoint window.**

**SYSTEM REVIEW icon will appear in the setpoint window.**

**Simple Operation**

There are several options for viewing the Alarm Codes list pertaining to your particular unit:
1. By visiting our www.emea-user-manuals.thermoking.com/tools link for all units and the Thermo King Alarm Codes App.
2. By downloading our Truck, Trailer, Cyro and DAS Alarm Codes Booklet for all Alarm Codes. This can be downloaded from the following link:
   - www.emea-user-manuals.thermoking.com or at the QR code below.
3. A printed copy can also be obtained from your Thermo King Dealer Representative.

For more information or tutorial sessions, please contact your Thermo King Service Manager.
CONTROLLER OVERVIEW

A-Series Controller (HMI) Control Panel

Risk of Injury!!

Turning the unit ON/Off

CONTROLLER OVERVIEW

The Standard Display is the “face” from which all other display operations are launched. The Standard Display appears after the unit startup sequence is completed.

Standard Display and Icon Descriptions
1. Status Bar — Displays unit information across top of screen.
3. Tracking Signal — Displays telematics signal strength.
4. Time/Time Zone — Displays current time. Time Zone shows that you are now in a region +/- from the time zone.
5. Trailer Temp — Displays actual box temperature.
6. Setpoint — Displays temperature defined by user.
7. LOCK — Is customizable in Main Menu Plus (Default screen is LOCK).
8. SETPOINT — Used for critical functions.
9. SYSTEM — Is customizable in Main Menu Plan.
10. DASHBOARD

Dashboard Icons and Descriptions
1. Cycle-Sentry: This icon indicates the unit is operating in Cycle-Sentry Mode.
2. USB Connection Status: This icon indicates a USB flash drive is connected to the A-Series Controller.
3. Fuel Level: This icon indicates the trailer unit's fuel in percentage (if applicable).
4. Auto-Switch: This icon indicates:
   - When OFF, Auto-Switch Enabled feature is set to YES, allowing the unit to switch automatically from Diesel Mode to Electric Mode when standby power is connected and available.
   - When ON, Auto-Switch enabled feature is set to NO, keeping unit in Diesel Mode. A prompt screen (Yes/No) will appear when standby power is connected and available.
5. Electric Operation: This icon indicates the unit is operating in Electric Mode (if applicable).
6. Diesel Operation: This icon indicates the unit is operating in Diesel Mode.

SIMPLE TO SET

CONTROLLER OVERVIEW

Continuous/Cycle-Sentry Modes

Note: The unit retains the last user configured operating mode when power cycled. i.e. If the unit was running in Continuous Mode, and then power is cycled, the unit still remains in continuous mode.
1. With the unit operating and the Cycle-Sentry config on, press the Cycle-Sentry Key to initiate the Continuous Mode programming process.
2. After a few seconds, the Standard Display will return and Cycle-Sentry icon will no longer be lit.
3. The unit is now operating in Continuous Mode.

If the initialization failed, the unit will return to Cycle-Sentry Mode. Check for alarms and retry.
4. With unit operating in Continuous Mode, press the Cycle-Sentry Key to initiate the Continuous Mode programming process.
5. After a few seconds, the Standard Display will return and the Cycle-Sentry won't be lit.
The unit is now operating in Cycle-Sentry Mode.

If the initialization failed, the unit will return to Continuous Mode. Check for alarms and retry.

SIMPLE TO ACCESS

Main Menu Options:
- System
- Mode
- Data Log
- Alarms
- Language
- To Diesel
- Fuel Levels
- Telemetry

Note: If Language Selection does not appear on startup, then Language change is not activated. Once you follow the steps below, this will activate the language changer.

To access the Main Menu press the ACCEPT/ENTER key.

Main Menu Options:
- System
- Mode
- Data Log
- Alarms
- Language
- To Diesel
- Fuel Levels
- Telemetry

To change the language:
1. Use navigation keys to scroll to preferred language.
2. Press Accept/Change Key or Cancel.
3. The Standard Display with the chosen language will appear next.

Note: If no key is pressed in language prompt for 45 seconds then the current language will be retained.

If Language Selection does not appear on startup, then the default language is not activated. Please follow the steps above, below that will activate the language changer.

To change the language:
1. Access the MAIN MENU by pressing the ACCEPT/ENTER key.
2. Use the arrow keys to access LANGUAGE.
3. Use arrow keys to choose language and press the ACCEPT/ENTER key.
4. Exit the Main Menu.

SIMPLE TO START/STOP

Turning the unit On/Off

Note: Microprocessor On/Off Switch must be in the “ON” position for unit to operate. Turn unit on by pressing the ON Key.

Note: Microprocessor On/Off Switch must be in the “ON” position for unit to operate.

Note: If Electric Standby is active, there may be some additional prompts before the engine

When using your microprocessor, always refer to the operating manual for detailed instructions.

SIMPLE TO SET

Changing the Setpoint

Pressing key 1 and/or SETPOINT will save you to the setpoint screen

- Pressing the UP arrow key will increase the value by 1 until setpoint reaches higher limit.
- Pressing the DOWN arrow key will decrease the value by 1 until setpoint reaches lower limit.
- Pressing and holding either the UP or DOWN arrow key will accelerate the values until released.
- Pressing Key 3 under CONFIRM will display “PROGRAMMING SETPOINT PLEASE WAIT”
- If change is unsuccessful—HMI will display “SETPOINT NOT CHANGED”.

To exit the current screen, press the BACK icon.

To change the setpoint:
1. Use navigation keys to scroll to preferred language.
2. Press Accept/Change Key or Cancel.
3. The Standard Display with the chosen language will appear next.

Note: If no key is pressed in language prompt for 45 seconds then the current language will be retained.

If Language Selection does not appear on startup, then the default language is not activated. Please follow the steps above, below that will activate the language changer.

To change the language:
1. Access the MAIN MENU by pressing the ACCEPT/ENTER key.
2. Use the arrow keys to access LANGUAGE.
3. Use arrow keys to choose language and press the ACCEPT/ENTER key.
4. Exit the Main Menu.

Note: Operating Mode: The unit retains the last user configured operating mode when power cycled. i.e. If the unit was running in Continuous Mode, and then power is cycled, the unit would still remain in Continuous Mode.

After turning the unit ON and the configuring System is complete, the Language Selection display will appear (if set to ENABLED).

Note: English is the default language.

To change the language:
1. Use navigation keys to scroll to preferred language.
2. Press Accept/Change Key or Cancel.
3. Use arrow keys to choose language and press the ACCEPT/ENTER key.
4. Exit the Main Menu.