

## SIMPLE TO VIEW AND DETERMINE

### Viewing and Clearing Alarm Codes



If a unit alarm condition occurs the Alarm Icon will appear on the display.

- **Check Alarm** - the Alarm Icon will turn on and the unit will continue to run.
- **Shutdown Alarm** - the Alarm Icon and display will flash on and off and the unit will shut down.
- If the alarm is zone specific, the zone indicator will be present to show which zone has the alarm condition (example: Zone 2 shown).



#### Displaying Alarm Codes

1. Simultaneously press and hold the ON key and the PRETRIP key.
  - The Alarm Display will appear.
  - If more than one alarm code has been set, they are displayed with the most recent alarm shown.
2. Use the UP or DOWN Arrow keys to scroll through the alarms.



#### Clearing Alarm Codes

1. After the alarm situation is resolved, press the ENTER key to clear the alarm code currently being shown.

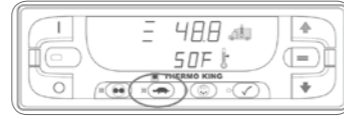
When all alarms have been cleared the display will show all zeros to indicate no alarm codes exist.

- All alarms must be viewed before any alarms can be cleared.
- If an alarm will not clear, it may still exist. If the alarm is not corrected, it will not clear or may immediately be set again.
- Some alarms cannot be cleared using the HMI.

See Operator's Manual for more information regarding alarm codes.

## SIMPLE TO SELECT

### High Speed Lockout Feature

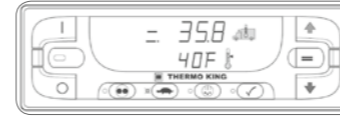


The High Speed Lockout feature is typically used in noise sensitive areas to reduce diesel engine noise. This feature does not have any effect when operating in electric standby mode.

1. Press the High Speed Lockout key.
  - Amber LED will illuminate indicating the unit is in High Speed Lockout.
2. Pressing the High Speed Lockout key again will turn the feature off.

## SIMPLE TO OPERATE

### SmartPower™ Electric Standby (OPTION)



1. Connect the proper voltage power supply to the unit's power receptacle.
2. Press the ON key to turn the unit on.
  - The preheat buzzer will sound for 20 seconds before the electric motor starts.

#### Automatically Switching from Electric to Diesel

If the **Electric to Diesel Auto Switch Enabled** feature is set to YES, the unit will automatically switch from Electric Standby Mode to Diesel Mode when standby power is removed or fails.

#### Automatically Switching from Diesel to Electric

If the **Diesel to Electric Auto Switch Enabled** feature is set to YES, the unit will automatically switch from Diesel to Electric Standby Mode when standby power is detected or connected.

 THERMO KING

# Multi-Temperature Truck Unit with Standard HMI



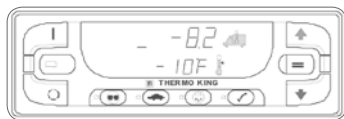
## Driver Guide to Simple Operation

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



## SIMPLE TO START

### One or Multiple Zones



1. Press the ON key to turn the unit on.
  - Dashes will appear in both the upper and lower portions of the display as it powers up.
  - The running time hour meters are then displayed briefly.
  - The standard display automatically scrolls through all configured zones showing each zone for 10 seconds. Horizontal bars indicate the current zone being displayed; One bar = Zone 1, Two bars = Zone 2 and Three bars = Zone 3.
  - The diesel engine will preheat and start as required when the unit is turned on. On SmartPower equipped units, the electric standby motor will start if the unit is connected to standby power.



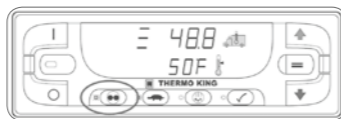
#### To turn a Zone on or off:



1. Press the ENTER key to put the unit in Manual Zone Selection mode.
  - A decimal point will appear to the right of the horizontal bar indicating the Manual Zone Selection Mode is active.
2. Press the ENTER key again as require to select the desired zone.
3. When the desired zone is selected, simultaneously press the ON key and the ENTER key to turn the zone off.
  - The box temperature and setpoint temperature will now show all dashes indicating the zone is turned off.
4. Simultaneously pressing the ON key and ENTER key again will turn the selected zone back on.
5. Press the Off key to turn the unit off.
  - The unit will immediately shut off and the display will go blank.

## SIMPLE TO SET

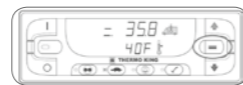
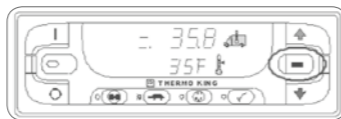
### CYCLE-SENTRY™ or Continuous Run



1. Press the CYCLE-SENTRY/Continuous key to change from CYCLE-SENTRY to Continuous mode.
  - Amber LED indicates the unit is operating in CYCLE-SENTRY mode.
  - No LED illuminated indicates

## SIMPLE TO SET

### Setpoint Temperature



1. Press the ENTER key to put the unit in Manual Zone Selection mode.
2. Press the ENTER key again as required to select the desired zone.
3. When the desired zone is selected, press the UP or DOWN arrow keys until the desired setpoint is shown.
4. Press the ENTER key to confirm the new setpoint.

## SIMPLE TO DEFROST

### Initiate Manual Defrost



1. Press the ENTER key to put the unit in Manual Zone Selection mode.
2. Press the ENTER key again as required to select the desired zone.
3. Press the DEFROST key to initiate a manual defrost cycle in the selected zone.
  - Amber LED next to the DEFROST key indicates the unit is in defrost in the selected zone.

**NOTE:** The defrost cycle terminates automatically when the evaporator coil reaches a predetermined temperature or when the defrost timer expires. Defrost can also be terminated by turning the unit off and back on.

## SIMPLE TO CHECK

### Pretrip Test



#### FULL PRETRIP TEST

**NOTE:** Full Pretrip must be done with the unit not running.

1. Turn the unit on, clear all alarm codes and turn the unit off.
2. Turn the unit on again and wait for the unit running time hourmeters to be displayed. Once the hourmeters are displayed, press and hold the PRETRIP key for 5 seconds.
  - Flashing LED indicates that the Pretrip is being initialized.
  - Steady amber LED indicates the Pretrip is in process.
  - Full Pretrip Test typically lasts 20 to 30 minutes.
  - The amber LED will turn off when the Pretrip Test is complete or if a Shutdown Alarm occurs.

#### ENGINE RUNNING PRETRIP TEST

**NOTE:** Engine Running Pretrip Test must be done with the unit running.

1. Turn the unit on, clear all alarm codes and allow the unit to start.
2. With the unit running, press and hold the PRETRIP key for 5 seconds.
  - Flashing LED indicates that the Pretrip is being initialized.
  - Steady amber LED indicates the Pretrip is in process.
  - Full Pretrip Test typically lasts 20 to 25 minutes.
  - The amber LED will turn off when the Pretrip Test is complete or if a Shutdown Alarm occurs.

To stop a Pretrip Test at any time, press the OFF key to turn the unit off. This will generate a Alarm Code 28 Pretrip Abort.

#### PRETRIP TEST RESULTS

##### Pass Pretrip Test

- If the unit passes the Pretrip Test, the amber Pretrip Test LED will turn off at the completion of the test and the unit will continue to run as required.

##### Fail Pretrip Test with Check Alarms

- If the unit fails the Pretrip Test with Check Alarms, the Alarm Icon will appear when the alarm condition occurs. The Pretrip Test will continue to run unless a Shutdown Alarm occurs.

**See Operator's Manual for more information regarding alarm codes.**