

**EASY TO RUN**

**35X with Standby  
40X and 50X  
with  
Cab Command  
Two Controller**

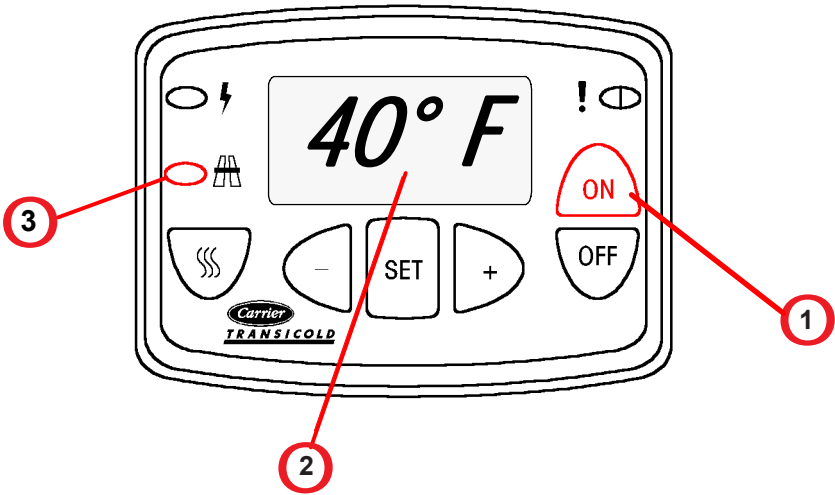
- **Starting - Engine Operation**
- **Starting - Standby Operation**
- **Changing Display Brightness**
- **Temperature Setpoint**
- **Manual Defrost**
- **Alarm Display**
- **Alarm List**
- **Alarm Reset**
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**EASY TO START**

## Starting - Engine Operation

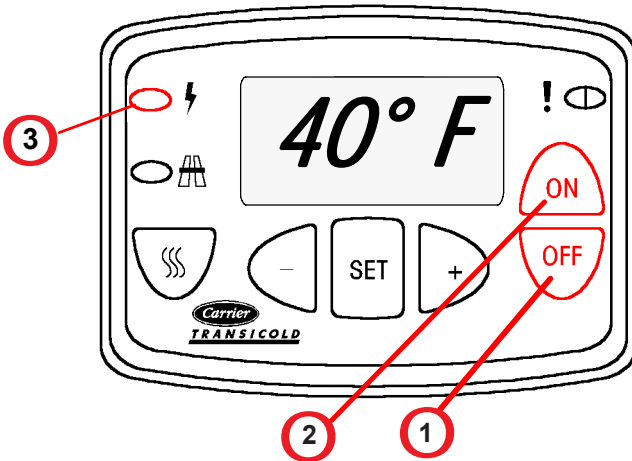


1. Press the **ON** key.  
(Start-up may be time-delayed.)
2. Check if box temperature is displayed.
3. Check if road operation light is on. If not, unplug power cord from receptacle.

**NOTE:** If standby power cord is plugged in, the controller will trigger a visual alarm in the form of a flashing red malfunction light and read-out, and the unit will run in standby mode.

**EASY TO START**

## Starting - Standby Operation



1. Press the **OFF** key and plug in power supply.
2. Press the **ON** key. (Start-up may be time-delayed)
3. Check that the standby operation light is on.

**NOTE:** If engine is operating when unit is connected to power, the controller will trigger a visual alarm in the form of a flashing red malfunction light and readout and the unit will run in engine mode.



**WARNING**

Make sure the power plug is clean and dry before connecting to any power source.

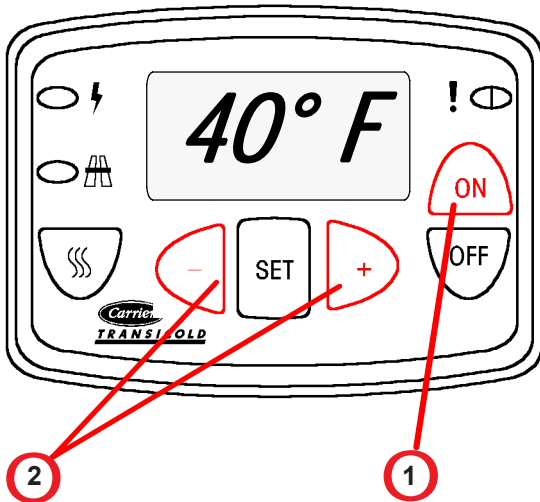


**WARNING**

Do not attempt to connect or remove power plug before ensuring the unit is **OFF** (press **OFF** key on Cab Command) and external power circuit breaker is open.

**EASY TO CHANGE**

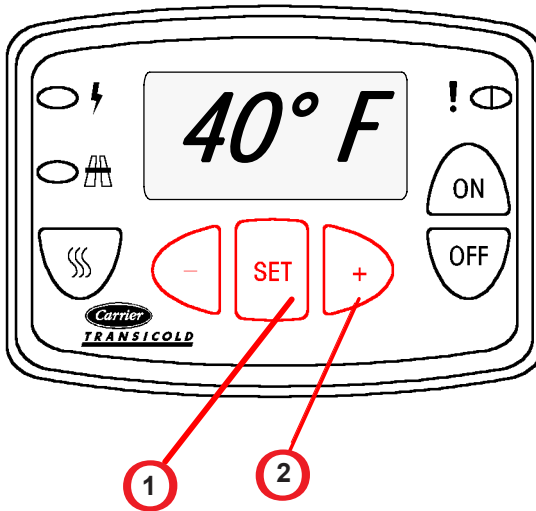
## Changing Display Brightness



1. Press the **ON** key.
2. Within five seconds, press the **+** (plus) or **-** (minus) key to increase or decrease display brightness.

**EASY TO SET**

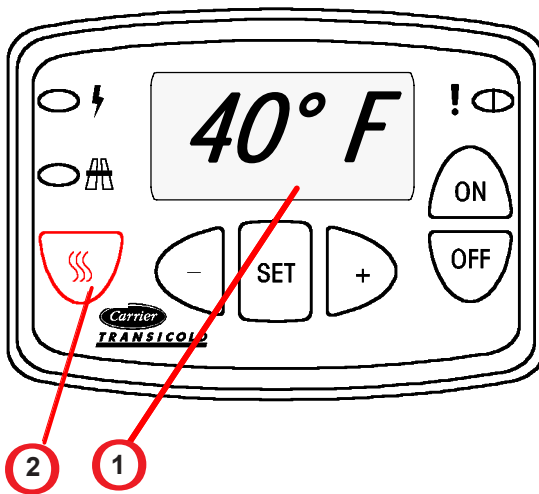
## Temperature Setpoint



1. Press **SET** key
2. Press **+** (**plus**) key to increase setpoint or press **--** (**minus**) key to decrease setpoint.
3. Press **SET** key when desired setpoint is displayed to lock in new setpoint.

**EASY TO SELECT**

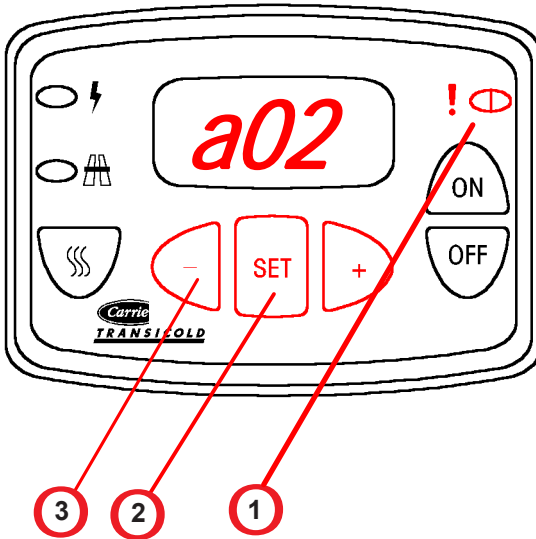
## Manual Defrost



1. Check that the box temperature is 40°F or lower.
2. Press the **Manual Defrost** key to initiate manual defrost.

**EASY TO CHECK**

## Alarm Display



1. When an Alarm is activated, the ! light flashes red. The ! light flashes green when the unit is operating correctly.
2. Press the SET key for five seconds to display alarms.
3. Press + or -key to view additional alarms.
4. Press SET key to return to box temperature display.

**NOTE:** There are two types of Alarms

- Axx (example: A02)
- Pxx (example: P02)

Axx - Designates Active Alarms

Pxx -- Designates Past Alarms. These are Alarm conditions that existed but are now not active.



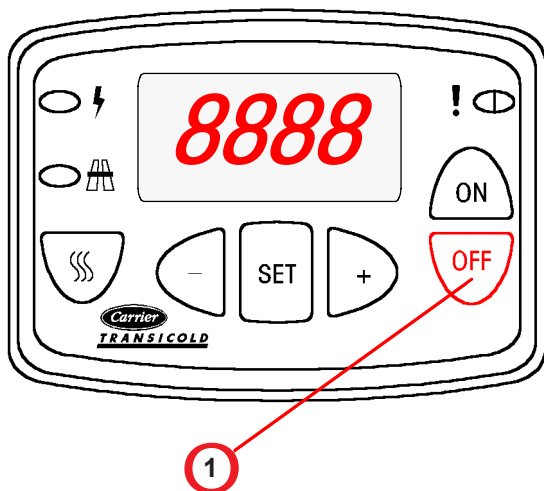
**EASY TO READ**

## Alarm/Error List

| Alarm      | Alarm/Error Description   |
|------------|---|
| A00        | No Malfunction  |
| A01        | Low Pressure Switch (LP) Open   |
| A02        | High Pressure Switch (HP1) Open   |
| A03        | Standby Compressor Over Heated  |
| A04        | Road Compressor Clutch  |
| A05        | Standby Contactor (high amp draw)   |
| A06        | Condenser Fan Motor (high amp draw)   |
| A07        | Evaporator Fan Speed Alarm  |
| A08        | Hot Water Solenoid (high amp draw) (option)   |
| A09        | Hot Gas Valve (HGS1) (high amp draw)  |
| A10        | Quench Valve (BPV)(high amp draw)   |
| A11        | Condenser Pressure Control Valve (HGS2)   |
| A12        | Out-of-Range High Temperature   |
| A13        | Out-of-Range Low Temperature  |
| A14        | Defrost Cycle >45 minutes   |
| A15        | Setpoint out of range - 20°F to 86°F  |
| A16        | Drain Water Resistor Heater (DWR1) High amp draw  |
| A17        | Transformer/Rectifier (RBT) thermal overload  |
| A18        | Electrical Heating Relay (high amp draw) (option)   |
| A20        | Low Pressure Switch jumper open   |
| A21        | Compressor Contactor Open   |
| A22        | Condenser Fan Motor Open Circuit  |
| A23        | Hot Water Solenoid Open Circuit (option)  |
| A24        | Hot Gas Valve (HGS1) Open Circuit   |
| A25        | Quench Valve (BPV) Open Circuit   |
| A26        | Condenser Pressure Control Valve (HGS2) Open Circuit  |
| A27        | Drain Water Resistor (DWR) Open Circuit (option)  |
| A28        | Heating Relay (EHR) Open Circuit (option)   |
| A45        | EEPROM Failure  |
| A46        | 5BPV Coil Short Circuit   |
| A47        | SBPV Open Circuit   |
| 2EP        | Functional parameters have not been set or have been lost. Press and hold the SET key to clear the alarm. |
| EE         | Return Air Sensor   |
| <b>bAt</b> | Low Battery Voltage   |
| ---        | Using Road & Standby Compressors at the Same Time.  |
| <b>Err</b> | Programming mistake of maximum setpoint by user.  |
| ---        | Setpoint lower than maximum setpoint but in the range --20°F to 86°F                                      |

**EASY TO RESET**

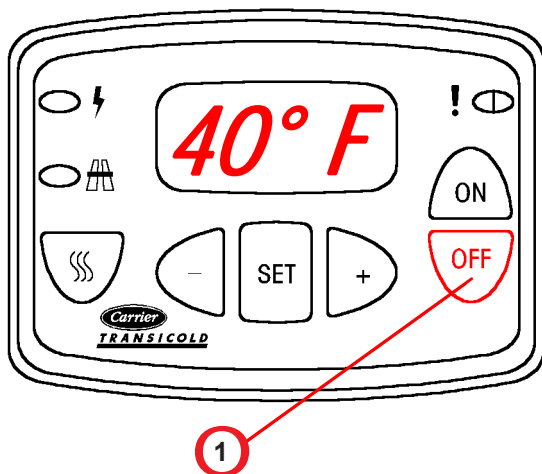
## Alarm Reset



1. Press the **OFF** key to clear Active Alarm list. Unit can now be restarted if no Active Alarm condition remains.

**EASY TO STOP**

## Stopping the Unit



1. Press the **OFF** key.

## **Tips**

Carrier Transicold wants you to get optimum performance from your truck refrigeration unit. The way to get that performance is to review the checklist below before each trip. Do this and you'll be well on your way to ensuring maximum refrigeration efficiency with a minimum of trouble.

- Examine interior and exterior for door, door seal and wall damage.
- Floor and floor drains should be clear of debris.
- Remote evaporator drains should be clear of debris.
- Use pallets and follow proper loading instructions for maximum air circulation.
- Precool truck and cargo before loading.

For additional information, including function and unit data display codes, refer to operating instructions inside unit front doors.

**In an emergency, call Carrier Transicold  
Action Line 1-800-448-1661.**



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