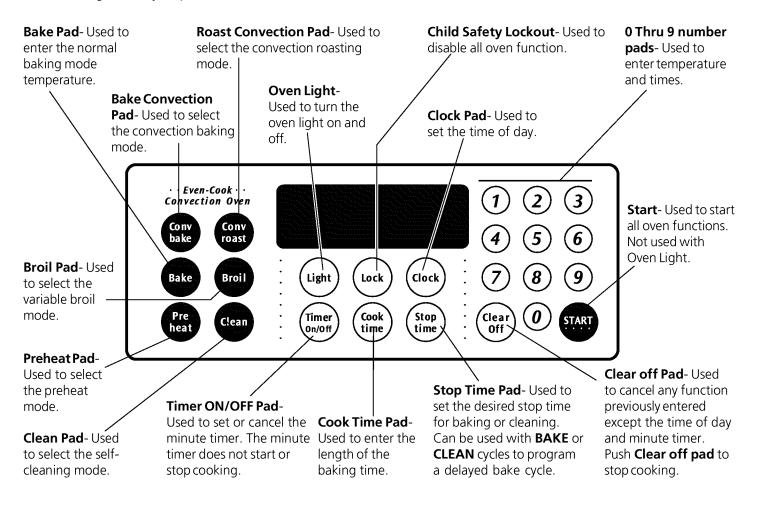
### **ELECTRONIC OVEN CONTROL**

### **Control Pad Functions**

**Read the instructions carefully before using the oven.** For satisfactory use of your oven, become familiar with the various functions of the oven as described below. **Note**: The graphics on your timer may not look exactly like those shown. This doesn't change the way it operates.

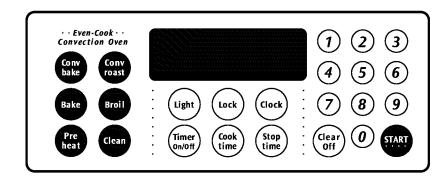


**Note:** Push buttons or pads may be shaped differently.

All oven functions have a minimum and maximum time or temperature values that may be entered into the control. These values are shown below. If you have trouble setting a mode, be sure you are not entering a value greater then or lower than the values shown in this chart. An ENTRY ERROR tone (3 short beeps) will sound if the value does not meet these limits.

MODE		MINIMUM VALUE	MAXIMUM VALUE
PREHEAT TEMP		170°F / 77°C	550°F/288°C
BAKE TEMP		170°F / 77°C	550°F/288°C
<b>BROIL TEMP</b>		400°F/205°C	HI-550°F/288°C
MINUTE TIMER	12 HR	0:01 MIN	12:00 HR / MIN
	24 HR	0:01 MIN	12:00 HR / MIN
CLOCK TIME	12 HR	1:00 HR / MIN	12:59 HR / MIN
	24 HR	0:00 HR / MIN	23:59 HR / MIN
OVEN COOK TIME	12 HR	0:05 MIN	11:59 HR / MIN
	24 HR	0:05 MIN	23:59 HR / MIN
STOP TIME	12 HR	1:00 HR	12:59 HR / MIN
	24 HR	0:00 HR	23:59 HR / MIN
CLEAN TIME		2 hours	4 hours
CONVECTION BAKE		250°F/122°F	550°F/288°C
CONVECTION ROAST		250°F/122°F	550°F/288°C

## **Setting the Clock**



### Clock

The clock may be set for 12 or 24 hours time of day operation. The clock has been preset at the factory for 12-hour operation. When the range is first plugged in, or when the power supply to the range has been interrupted, the timer in the display will flash and PF (power failure) will appear in the display.

### To set the clock (example 1:30)

- 1. Press **CLOCK** pad. "**CLO**" will appear in the display.
- 2. Press 1 3 0 to set the time of day to 1:30. Press START pad. "CLO" will disappear and the clock will start.

### Changing between 12 or 24 hour time of day display

- 1. Press and hold **CLOCK** pad for 9 seconds, two beeps will sound.
- 2. The display will show "12:00" to indicate the 12-hour time of day operation is active.
- 3. Press CLEAN pad to switch between 12 and 24 hour time of day display. The display will show either "12" or "24".
- 4. Press **START** to accept the change or press **CLEAR OFF** pad to reject the change.
- 5. Reset the correct time as described in **"To set the clock"** above. Please note that if the 24 hour time of day mode was chosen, the clock will now display time from 0:00 through 23:59 hours.

## Continuous Bake or 12 Hour Energy Saving

The oven control has a factory preset built-in 12-Hour Energy Saving feature that will shut off the oven if the oven control is left on for more than 11 hours and 59 minutes. The oven can be programmed to override this feature for continuous baking.

## To set the control for continuous bake or 12 Hour Energy Saving

- 1. Press and hold **TIMER ON/OFF** pad for 7 seconds, ":12" or ":--" will appear in the display and the control will beep once.
- 2. Press **CLEAN** pad to toggle between the 12 Hour Energy Saving (":12") display and continuous bake features (":--").
- 3. Press **START** pad to accept the change (display will return to time of day) or press **CLEAR OFF** pad to reject the change.

### Minute timer

The minute timer serves as an extra timer in the kitchen that will beep when the set time has run out. It does not start or stop cooking. The minute timer can be used during any of the other oven functions. The minute timer can be set for any amount of time from 1 minute to 11 hours 59 minutes in both the 12 or 24 hour clock modes.

### To set the minute timer: (example 5 minutes)

- 1. Press **TIMER ON/OFF** pad, a beep will sound, "0:00" will appear in the display and "**TIMER**" will flash in the display.
- 2. Press the number pads to set the desired time in the display (example 5). Press *START* pad, the time will begin to count down and "**TIMER**" will appear in the display. Note: If **START** is not pressed the timer will return to the time of day.
- When the set time has run out, "End" will show in the display and 3 beeps every 60 seconds will sound until TIMER ON/ OFF is pressed.

### To cancel the minute timer before the set time has run out:

Press **TIMER ON/OFF**. The display will return to the time of day.

# **Consumer Defined Control Features Oven Lockout Feature**

The Oven Lockout feature prevents the oven from being accidentally turned on. It does not disable the clock, minute timer, surface elements (or) burners, or the interior oven light.

### To activate the Oven Lockout feature:

- 1. Press and hold **LOCK** pad for 3 seconds.
- 2. After 3 seconds the lock icon light will appear in te display, a beep will sound and "**DOOR LOCKED**" will flash in the display. Once the oven door is locked the "door locked" indicator will stop flashing and remain on along with the lock icon light.

### **To reactivate Normal Oven Operation:**

- 1. Press and hold **LOCK** for 3 seconds. A beep will sound. The "**DOOR LOCKED**" will continue to flash until the oven door has completely unlocked and the lock icon light will disappear.
- 2. The oven control can now be programmed for all operations.

## Temperature display - Fahrenheit or Celsius

The oven control can be programmed to display temperatures in Fahrenheit or Celsius. The oven has been preset at the factory to display in Fahrenheit.

### To change from Fahrenheit to Celsius or to Celsius to Fahrenheit:

- 1. Identify which display your control is set for now. To tell if your range is set for Fahrenheit or Celsius press **BROIL** pad and hold for 7 seconds. A beep will then sound. If "**F**" appears, the display is set to show temperatures in Fahrenheit. If "**C**" appears, the display is set to show temperatures in Celsius.
- 2. Press **CLEAN** pad to switch between the Fahrenheit to Celsius display modes. The display will show either "F" or "C".
- 3. Press **START** pad to accept the change or press **CLEAR OFF** to reject the change.

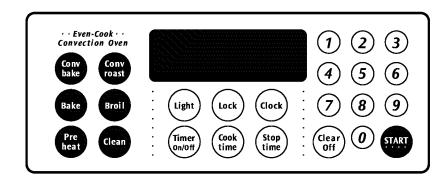
## For a Silent Control Operation:

The Silent Control Operation feature allows the control to be operated without sounds or beeps whenever necessary. If desired the control can be programmed for silent operation and later returned to operating with all normal sounds and beeps.

### To change control from normal sound operation to silent control operation:

- 1. Identify which sound operation your timer is set for now. To tell if your range is set for normal or silent operation press and hold **STOP TIME** pad for 7 seconds. "**DELAY**" will appear and flash in the display. If ":SP" appears, the control will operate in the normal operation mode and beeps. If ":--" appears, the control is in the silent operation mode.
- 2. Press **CLEAN** pad to switch between the normal sound operation and the silent operation mode. The display will show either ":SP" or ":--".
- 3. Press **START** pad to accept the change or press **CLEAR OFF** pad to reject the change.

## **Setting Oven Controls**



### **Preheat**

The Preheat mode will bring the oven up to temperature and then beep to let you know when to place food in the oven. Preheating the oven is recommended when baking breads and cakes. Use this mode when recipes call for preheating. During manual preheat, the notification tone will be generated when the temperature in the center of the oven has reach his maximum perfomance of cooking. Preheating is not necessary when roasting or cooking casseroles. The oven can be programmed to preheat at any temperature from 170°F to 550°F (77°C to 288°C).

### To set the Preheat temperature to 350°F:

- 1. Arrange the interior oven racks.
- 2. Press **PREHEAT** pad. "---" will appear and "**BAKE**" will flash in the display.
- 3. Press **3 5 0** pads. "**350**°" will appear and "**BAKE**" will flash in the display.
- 4. Press START pad. "PRE" and "BAKE" will appear in the display as the oven heats and reaches 350°F.

**Note:** After the oven has reached the desired temperature (this example, 350°F) the control will beep and the "**PRE**" light will turn off and oven temperature will be displayed. If the beep was missed, a quick glance at the display with oven temperature showing in the oven display is a good way to check that the oven has already reached the preheat temperature. Once the oven has preheated, **PLACE FOOD IN THE OVEN**. The "**BAKE**" light will stay on.

Press **CLEAR OFF** when baking is complete or to cancel preheat feature.

### To change Preheat temperature while oven is preheating: (example changing from 350 to 425°F)

If it is necessary to change the preheat temperature while the oven is preheating to the original temperature:

- 1. While preheating, press **PREHEAT** pad. "---°" will appear and "**BAKE**" will flash in the display.
- 2. Enter the new preheat temperature. Press 4 2 5 pads. "425°" will appear and "BAKE" will flash the display.
- 3. Press START pad. "PRE" and "BAKE" will appear in the display as the oven heats and reaches 425°.
- 4. When baking is complete press **CLEAR OFF** pad.

### Bake

Use this mode when preheating is not necessary; such as, when roasting or cooking casseroles. The Bake Feature includes a preheat cycle. The oven can be programmed to bake at any temperature from 170°F to 550°F (77°C to 288°C) (The sample shown below is for 350°C).

### To set the Bake temperature to 350°F:

- 1. Arrange the interior oven racks and place food in oven.
- 2. Press **BAKE** pad, "---°" will appear in the display.
- 3. Press **3 5 0** pads. "**BAKE**" will flash and "**350**°" will appear in the display.
- 4. Press **START** pad. "**BAKE**" and "**PRE**" will appear in the display until the oven reaches 350°F. A beep will sound once the oven temperature reaches 350°F and the display will show "**350°**" and "**BAKE**".

Press **CLEAR OFF** pad to stop baking or cancel bake at any time.

### To change the bake temperature (example changing from 350°F to 425°F)

- 1. After the oven has already been set to bake at 350° and the oven temperature needs to be changed to 425°, press **BAKE** pad and "---°" will show in the display.
- 2. Then press 4 2 5 pads. "425°" and "BAKE" will appear in the display.
- 3. Press START pad. "BAKE" and the new oven temperature "425°" will appear in the display.

## **Setting Oven Controls (continued)**

### Timed Bake

The automatic timer of the Timed Baked feature will turn the oven off at the time you select in advance.

**CAUTION** Use caution when using the **TIMED BAKE** or **DELAYED TIME BAKE** features. Use the automatic timer when cooking cured or frozen meats and most fruits and vegetables. Foods that can easily spoil such as milk, eggs, fish, meat or poultry, should be chilled in the refrigerator first. Even when chilled, they should not stand in the oven for more than 1 hour before cooking begins, and should be removed promptly when cooking is completed. Eating spoiled food can result in sickness from food poisoning.

## To program the oven to begin baking immediately and to shut off automatically (example bake at 350° for 50 minutes):

- 1. Be sure the clock is set for the correct time of day.
- 2. Arrange the interior oven rack(s) and if roasting or cooking a casserole, place the food in the oven.
- 3. Press **BAKE** pad, "--- o" will appear in the display.
- 4. Press **3 5 0** pads. "**BAKE**" will flash and "**350**°" will appear in the display.
- 5. Press **START** pad. "**BAKE**" and "**PRE**" will appear in the display until the oven reaches 350°F. A beep will sound once the oven temperature reaches 350°F and the display will show "**350°**" and "**BAKE**".
- 6. Press COOK TIME pad. "TIMED" will flash; "0:00" appears, "BAKE" and "350°" remain on the display.
- 7. Enter the desired baking time by pressing **5 0** pads. "**TIMED**" will flash; ":**50**" appears, "**BAKE**" and "**350**°" remain on the display. Note: Baking time can be set for any amount of time from 1 minute to 11 hours and 59 minutes (maximum time for both 12 or 24 hour display modes).
- 8. Press **START** pad. Both the "**TIMED**" and "**BAKE**" icons will remain on in the display. Once Timed Bake has started, the current time of day will appear in the display.

Note: After the Timed Bake feature has activated, press **COOK TIME** to display the cook time remaining in the Timed Bake mode.

Press CLEAR OFF when baking is complete or at any time to cancel the Timed Bake mode.

#### When the set BAKE TIME runs out:

- 1. "End" will appear in the display and the oven will shut off automatically.
- 2. The control will beep 4 times. The control will continue to beep 3 times each minute until **CLEAR OFF** pad is pressed.

## **Delayed Time Bake**

The automatic timer of the Delayed Time Bake feature will turn the oven **on and off** at the time you select in advance.

## To program oven for a delayed bake start time and to shut-off automatically (Example for baking at 350°F for 50 minutes finishing at 5:30):

- 1. Be sure that the clock is set with the correct time of day.
- 2. Arrange the interior oven rack(s) and, if roasting or cooking a casserole, place the food in the oven.
- 3. Press **BAKE** pad, "--- o" will appear in the display.
- 4. Press **3 5 0** pads. "**BAKE**" will flash and "**350**°" will appear in the display.
- 5. Press **START** pad. "**BAKE**" and "**PRE**" will appear in the display until the oven reaches 350°F. A beep will sound once the oven temperature reaches 350°F and the display will show "**350°**" and "**BAKE**".
- 6. Press COOK TIME pad. "TIMED" will flash; "0:00 appears, "BAKE" and "350° remain on the display.
- 7. Enter the desired baking time using the number pads by pressing **5 0**. "**TIMED**" will flash, ":**50**" appears, "**BAKE**" and "**350**°" remain on the display. Note: Baking time can be set for any amount of time from 1 minute to 11 hours and 59 minutes (maximum time for both 12 or 24 hour display modes).
- 8 Press **START** pad. "**TIMED BAKE**" and "**350**°" appear in the display.
- 9. Press **STOP TIME** pad. Enter the desired stop time using the number pads **5 3 0**.
- 10. Press **START** pad. When Delayed Time Bake starts, the set oven temperature will disappear, "**TIMED DELAY**" and "**BAKE**" and the current time of day will appear in the display.

Note: Once Delayed Time Bake has started, press **COOK TIME** pad to display the bake time remaining in the Timed Bake mode. Press **CLEAR OFF** pad when baking has complete or at any time to cancel the Delayed Time Bake feature.

### When the set BAKE TIME runs out:

- 1. "End" will appear in the display and the oven will shut off automatically.
- 2. The control will beep 4 times. The control will continue to beep 3 times each minute until **CLEAR OFF** pad is pressed.

## Setting Oven Controls (continued)

### **Broil**

When broiling, heat radiates downward from the oven broiler for even coverage. Be sure to center the broiler pan directly under the oven broiler element for best results. Broil temperatures may be set from 400°F to HI (550°F). Arrange and position the oven racks while oven is still cool.

The broil pan and broil pan insert used together allow dripping grease to drain and be kept away from the high heat of the oven broiler. **DO NOT** use the broil pan without the insert. **DO NOT cover the broil pan insert with foil.** The exposed grease could catch fire.

**A WARNING** Should an oven fire occur, leave the oven door closed and turn off the oven. If the fire continues, throw baking soda on the fire or use a fire extinguisher. **DO NOT** put water or flour on the fire. Flour may be explosive and water can cause a grease fire to spread and cause personal injury.

### To set the oven to Broil at 550°F:

- 1. Place the broiler pan insert on the broiler pan, then place the food on the broiler pan insert. **DO NOT** use the broiler pan without the insert. **DO NOT** cover the broiler insert with foil. The exposed grease could catch fire.
- 2. Arrange interior oven racks and place the broiler pan on the oven rack. Be sure to center the broiler pan directly under the broiler element. **Open the oven door to the broil stop position when broiling.**
- 3. Press **BROIL** pad. "**BROIL**" will flash and "---" will appear in the display.
- 4. Press 5 5 0 pads. "BROIL" will flash and "550°" will appear in the display.
- 5. Press **START** pad. The oven will begin to broil. "**BROIL**" and "**550**°" will appear in the display.
- 6. Broil on one side until food is browned; turn and cook on the second side. Season and serve. **Note:** Always pull the rack out to the stop position before turning or removing food.
- 7. To cancel broiling or when broiling is complete press **CLEAR OFF** pad.

### **Convection Bake**

Use the Convection Bake feature when cooking speed is desired. The oven can be programmed to Convection Bake at any temperature between 250°F (122°C) to 550°F (288°C) (The example below is for 350°F).

#### General Convecion Bake Instructions:

- When using Convection Bake, decrease your normal cooking times as shown on the table a side. Adjust the cook time for desired doneness as needed. Time reductions will vary depending on the amount and type of food to be cooked. Cookies and biscuits should baked on pans with no sides or very low sides to allow heated air to circulate around the food. Food baked on pans with dark finish will cook faster.
- 2. Preheating is not necessary when cooking casseroles with Convection Bake.
- 3. When using Convection Bake with a single rack, place oven rack in position 2 or 3. If cooking on multiple racks, place the oven racks in positions 2 and 3 (for 2 racks).

### **Benefits of Convection Bake:**

- Some foods cook up to 30% faster, saving time and energy.
- Multiple rack baking.
- No special pans or bakeware needed.

## To Set the Convection Bake and temperature to 350°F:

- 1. Arrange interior oven racks and place food in oven.
- 2. Press CONV BAKE pad. "CONV BAKE" will flash and "--- " will appear in the display.
- 3. Press **3 5 0** pads. "**CONV BAKE**" and "**350**°" will appear in the display.
- 4. Press **START** pad. "**CONV BAKE**" and "**PRE**" will appear in the display until oven reaches 350°F. A beep will sound once the oven temperature reaches 350°F and the display will show "**350**°", "**CONV BAKE**" and a fan icon.

Note: the convection fan will come on a short time AFTER the oven has been set for Convection Bake. The oven icon display will then show a rotating fan. This rotating fan icon indicates when the Convection Fan is operating.

Press CLEAR OFF pad to stop Convection Baking or cancel Convection Bake at any time.

## For Convection Bake pad \*Decrease normal cook time by:

Frozen foods, pies, pastries and pizza	15-25%
Refrigerator cookies	15-35%
Refrigerator biscuits	15-30%
Rolls & Breads	20-25%
Fresh Pies / Pastries	10-20%

\* Recommended reduction in cook times based on brands of food items tested. Cook times may vary with your specific brand of food item.

## **Setting Oven Controls (continued)**

### **Convection Roast**

The oven can be programmed to Convection Roast at any temperature between 250°F (122°C) to 550°F (288°C) (The example below is for 350°F).

### To Set the Convection Roast and temperature to 350°F:

- 1. Arrange interior oven racks and place food in oven.
- 2. Press **CONV ROAST** pad. "**CONV**" will flash and "----°" will appear in the display.
- 3. Press **3 5 0** pads. "**CONV**" icon will flash and "**350**°" will appear in the display.
- 4. Press **START** pad. The "**CONV**" icon will remain on. Also the "**350**°" oven temperature and the convection fan icon will show in the display.

Note: the convection fan will come at the same time the oven has been set for convection roast. The oven icon display will begin rotating indicating that the convection fan is operating.

Press CLEAR OFF pad to stop Convection Roasting or cancel convection roast at any time.

## **Oven Cleaning**

## To Start the Self-Clean Cycle

If you are planning to use the oven directly after a self-clean cycle remember to allow time for the oven to cool down and the oven door to unlock. This normally takes about one hour. So to self-clean for 3 hours will actually take about 4 hours to complete. \*We recommend a 2 hour self-clean cycle for **light soils**, a 3 hour cycle for **average soils**, and a 4 hour cycle for **heavy soils** (to assure satisfactory results).

**WARNING** During the self-cleaning cycle, the outside of the range can become very hot to the touch. **DO NOT** leave small children unattended near the appliance; they may be burned if they touch the hot oven door surfaces.

**A CAUTION DO NOT** force the oven door open. This can damage the automatic door locking system. Use care when opening the oven door after the self-cleaning cycle. Stand to the side of the oven when opening the door to allow hot air or steam to escape. The oven may still be VERY HOT.

### To set the controls for the Self-Cleaning Cycle to start immediately and shut off automatically:

- 1. Be sure the clock is set with the correct time of day and the oven door is closed.
- 2. Press **CLEAN** pad. "**CLEAN**" will flash and "**3:00**" will show in the display. The control will automatically clean for a 3 hour period (default self-cleaning cycle time). If a 2 or 4 hour clean time is desired use the number pads to enter the time. Set the cleaning time based on the amount of soil you have—light, medium or heavy (\*See above).
- 3. Press **START** pad. The "**DOOR LOCKED**" icon will flash; "**CLEAN**" icon and the letters "**CLn**" will remain on in the display.
- 4. As soon as the control is set, the motor driven oven door lock will begin to close automatically. Once the door has been locked the "**DOOR LOCKED**" indicator light will stop flashing and remain on . Also the oven icon will show in the display.

Note: allow about 15 seconds for the oven door lock to close.

## When the Self-Clean Cycle is Completed

- 1. The time of day and, the "DOOR LOCKED" and "CLEAN" icon will remain in the display.
- 2. Once the oven has cooled down for approximately 1 HOUR, and the icon "**DOOR LOCKED**" is no longer displayed, the oven door can then be opened.

### **Stopping or Interrupting a Self-Cleaning Cycle**

If it becomes necessary to stop or interrupt a self-cleaning cycle due to excessive smoke or fire in the oven:

- 1. Press **CLEAR OFF** pad.
- 2. Once the oven has cooled down for approximately 1 HOUR and the "**DOOR LOCKED**" icon is no longer displayed, then the oven door may be opened.

## Oven cleaning (continued)

## To Start the Delayed Self-Clean Cycle

The automatic timer will turn the oven **on and off** at the time you select in advance. Be sure to review TO START THE SELF-CLEAN CYCLE for recommended clean times.

## To set the controls for the Self-Cleaning Cycle to start at a delayed time and shut off automatically: (example 3 hour self-clean cycle to finish at 9:00)

- 1. Be sure the clock is set with the correct time of day and the oven door is closed.
- 2. Press **CLEAN** pad. "**CLEAN**" will flash and "**3:00**" (default 3 hour clean cycle) will show in the display. **If a 2 or 4 hour clean time is desired** use the number pads to enter the time. Set the cleaning time based on the amount of soil you have—light, medium or heavy (\*see To start the Self-Clean Cycle).
- 3. Press **START** pad. The "**DOOR LOCKED**" icon will flash; "**CLEAN**" icon and the letters "**CLn**" will remain on in the display.
- 4. Press **STOP TIME** pad. Enter the desired Stop Time using the number pads **9 0 0**.
- 5. Press **START** pad. The "**CLn**" icon will turn off; "**DELAY**", "**DOOR LOCKED**" and "**CLEAN**" icons will remain on.
- 6. As soon as the control is set, the motor driven oven door lock will begin to close automatically and once the door has been locked the "**DOOR LOCKED**" indicator light will quit flashing and remain on . The oven icon will appear in the display.
- 7. The control will calculate backward from the set stop time to determine when the self-cleaning cycle should begin. The self-cleaning cycle will come on automatically at the calculated time. At that time, the icon "**DELAY**" will go out; "**CLEAN**" and "**CLn**" will appear in the display.

### When the Self-Clean Cycle is Completed

- 1. The time of day, the "DOOR LOCKED" and "CLEAN" icon will remain in the display.
- 2. Once the oven has cooled down for approximately 1 HOUR, and the icon "**DOOR LOCKED**" is no longer displayed, the oven door can be opened.

### Stopping or Interrupting a Self-Cleaning Cycle

If it becomes necessary to stop or interrupt a self-cleaning cycle due to excessive smoke or fire in the oven:

- 1. Press **CLEAR OFF** pad.
- 2. Once the oven has cooled down for approximately 1 HOUR and the "**DOOR LOCKED**" icon is no longer displayed, then the oven door may be opened.

## **Adjusting Oven Temperature**

**Note**: The Oven Temperature adjustments made with this feature will not change the Self-Cleaning Cycle temperature.

The temperature in the oven has been pre-set at the factory. When first using the oven, be sure to follow recipe times and temperatures. If you think the oven is too hot or too cool, the temperature in the oven can be adjusted. Before adjusting, test a recipe by using a temperature setting that is higher or lower than the recommended temperature. The baking results should help you to decide how much of an adjustment is needed.

#### To adjust oven temperature:

- 1. Push **BAKE** pad for 6 seconds. A beep will sound.
- 2. To increase the temperature use the number pads to enter the desire change. (Example 30°F) **3 0**. The temperature may be increased up to 35°F (17°C). Press **START** to accept the temperature change and the display will return to the time of day. Press **CLEAR OFF** to reject the change if necessary.
- 3. To decrease the temperature use the number pads to enter the desire change. (Example -30°F). **30** and then push **CLEAN** pad. The temperature may be decreased by 35°F (17°C). Press **START** to accept the temperature change and the display will return to the time of day. Press **CLEAR OFF** to reject the change if necessary.