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:** The oven function will not work if the time of day clock is not set.

Clear Pad- Used to clear any function previously entered except the time of day and minute timer. Push **Clear pad** to stop cooking.

Bake Pad- Used to enter the normal baking mode temperature.

Broil Pad- Used to select the variable broil function.

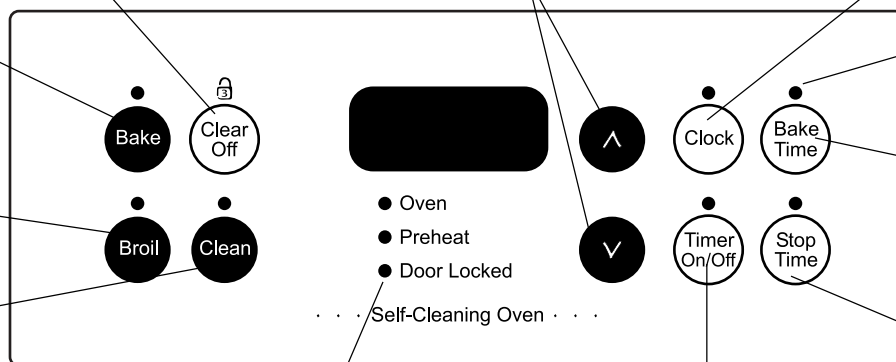**Clean Pad**- Used to select the self-cleaning cycle.

Up and Down arrow pads- Used along with the function pads to select oven temperature, cooking time, stop time (when programming an automatic stop time), time of day, clean time and minute timer.

Clock Pad- Used to set the time of day.

Feature indicator lights- These light to show which feature is in use.

Bake Time Pad- Used to enter the length of the baking time.

Stop Time Pad- Used to set the desired stop time for baking. Can be used with **BAKE TIME** to program a delayed bake cycle.

Oven, Preheat & Lock lights- The "oven" light will glow each time the oven unit turns on maintain the set oven temperature. The "Preheat" light will glow when the oven is first set to operate, or if the desired temperature is reset higher than the actual oven temperature. The "Lock" light will flash until the door locks when the self-clean cycle is in use. It glows constantly after the door locks.

Timer Pad- Used to set or cancel the minute timer. The minute timer does not start or stop cooking.

The oven can be programmed to:
Bake normally, Time Bake, Broil, Self-Clean

Note: Push buttons or pads may be shaped differently.

For a silent control panel:
When choosing a function, a beep will be heard each time a pad is pushed. If desired, the controls can be programmed for silent operation. Push and hold **STOP TIME** pad. After 7 seconds, the control will beep once. This will block the controls from sounding when a pad is pushed. To return the sound, push and hold **STOP TIME** pad again for 7 seconds until 1 beep is heard.
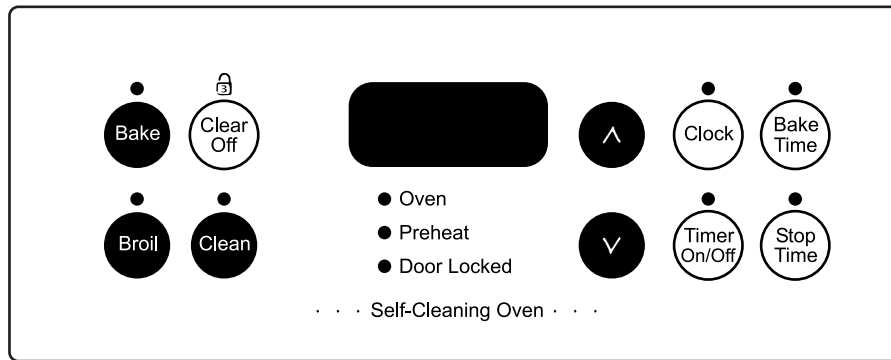**Note:** The control will return to the audible mode after a power outage.

Temperature Conversion (Fahrenheit / Celsius)
The electronic oven control is set to operate in °F (Fahrenheit) when shipped from the factory. The oven can be programmed for any temperature from 170°F to 550°F (65°C to 287°C).

To change the temperature to °C (Celsius) or from °C to °F (control should not be in a Bake or Clean mode):
1. Push **BROIL** pad. "- -" appears in the display.
2. Push and hold the **UP ARROW** pad until "HI" appears in the display.
3. Push and hold **BROIL** pad until °F or °C appears in the display.
4. Push **UP** or **DOWN ARROW** pad to change °F to °C or °C to °F.
5. Push any function pad to return to normal operating mode.

318200186 (0406) Rev. A

Setting the Clock and Minute Timer

Note: The oven function will not work if the time of day clock is not set.

To Set the Clock

When the range is first plugged in, or when the power supply to the appliance has been interrupted, the display will flash "12:00".
1. Push **CLOCK** pad.
2. Within 5 seconds, push and hold the **UP** or **DOWN ARROW** pad until the correct time of day appears in the display.

    Note: The clock cannot be changed during any timed bake or self-clean cycle.

To Set the Minute Timer

1. Push **TIMER ON/OFF** pad.
2. Push the **UP ARROW** pad to increase the time in one minute increments. Push and hold the **UP ARROW** pad to increase the time in 10 minute increments. The timer can be set for any amount of time from 1 minute to 11 hours and 59 minutes.

    Note: If you push the **DOWN ARROW** pad first, the timer will advanced to 11 hours and 59 minutes.

3. The display shows the timer count down in minutes until one minute remains. The display will count down in seconds.
4. When the set time has run out, the timer will beep 3 times. It will continue to beep 3 times every 60 seconds until the **TIMER ON/OFF** pad is pushed.

Note: The minute timer does not start or stop cooking. It serves as an extra timer in the kitchen that will beep when the set time has run out. The minute timer can be used alone or during any of the other oven functions. When the minute timer is in use with any other mode, the minute timer will be shown in the display. To view other functions, push the function pad for that mode.
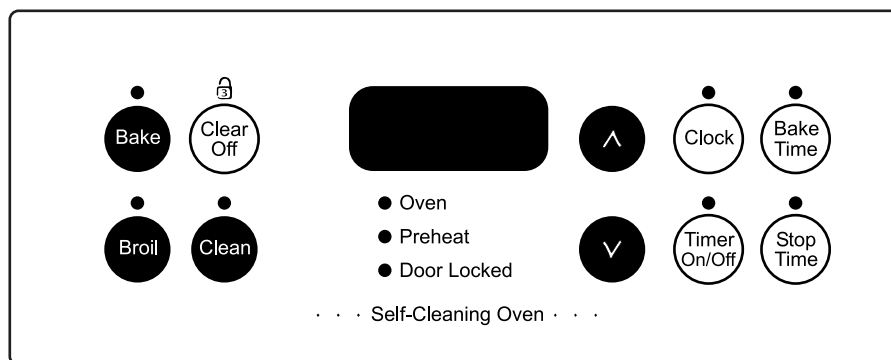
To Change the Minute Timer while it is in use:
While the timer is active and shows in the display, push and hold the **UP** or **DOWN ARROW** pad to increase or decrease the time.

To Cancel the Minute Timer before the set time has run out :
Push **TIMER ON/OFF** pad.

Setting Oven Controls

Note: The oven function will not work if the time of day clock is not set.

To Set or Change the Temperature for Normal Baking
The oven can be programmed to bake at any temperature from 170°F to 550°F (65°C to 287°C).

Note: The oven control has a built-in safety feature that will shut off the
oven if the control is left on for more than 11 hours 59 minutes.

To Set the Controls for Normal Baking:
1. Push **BAKE** pad. "— — —°" appears in the display.
2. Within 5 seconds, push the **UP** or **DOWN ARROW** pad. The display will show "350°F (177°C)." By holding the **UP** or **DOWN ARROW** pad, the temperature can then be adjusted in 5°F (1°C) increments.
3. As soon as the **UP** or **DOWN ARROW** pad is released, the oven will begin heating to the selected temperature. When the displayed temperature reaches the desired baking temperature, the control will beep 3 times.
4. To cancel the baking function, push the **CLEAR OFF** pad.

To Change the Oven Temperature after Baking has Started:
1. If you are using the minute timer, push the **BAKE** pad and make sure the bake temperature is displayed.
2. Push the **UP** or **DOWN ARROW** pad to increase or decrease the set temperature.

To Set Control for Continuous Bake or 12 Hour Energy Saving:
The oven control has a built-in 12 Hour Energy Saving feature that will shut off the oven if the 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 control for continuous baking:
1. Push **TIMER ON/OFF** pad, "0:00" will appear in the display.
2. Push and hold **TIMER ON/OFF** pad down for 5 seconds until tone is heard, "— — hr" will appear in display for continuous cooking. The current time of day will return to the display.
3. To cancel the Continuous Bake Function, push **TIMER ON/OFF** pad and hold for 5 seconds until tone is heard. "12hr" will appear in display indicating that the control has returned to the 12 Hour Energy Saving feature.
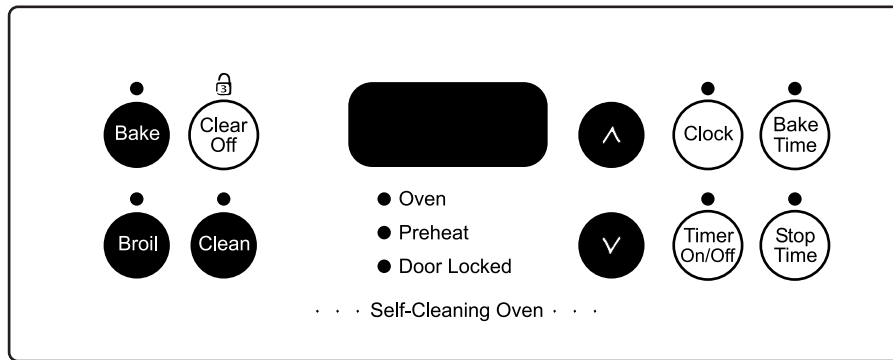
To Set Control for Oven Lockout:
The control can be programmed to lock the oven door and inactivate the oven controls.

To Set Control for Oven Lockout feature:
1. Push the **CLEAR OFF** pad and hold for 3 seconds. "Loc" will appear in display, the "Door Locked" indicator light will flash and the motor driven door lock will begin to close automatically. **DO NOT open oven door** while the indicator light is flashing. Allow about 15 seconds for the oven door to lock. Once the oven door is locked, the current time of day will appear in the display.
2. To cancel the lockout feature, push **CLEAR OFF** pad and hold for 3 seconds. The control will unlock the oven door and resume normal operation.

Note: If any control pad is pressed while the Oven Door/Control Lockout mode, "Loc" will appear in the display until the control pad is released.
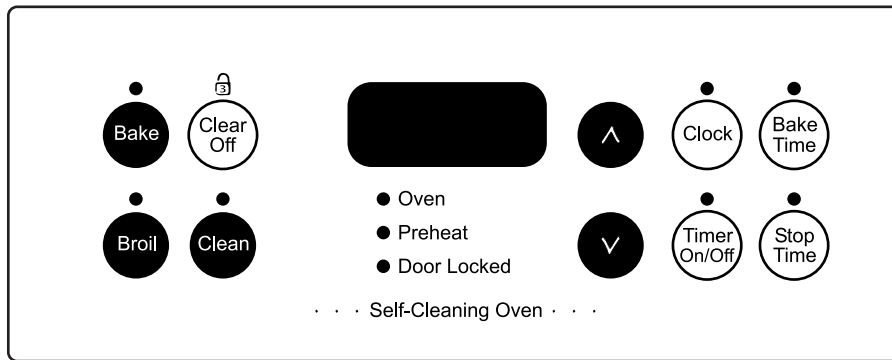
Setting Oven Controls **(continued)**

To Broil

1. Arrange oven rack while oven is still cool.
2. Push the **BROIL** pad.
3. Push and hold the **UP** or **DOWN ARROW** pad until the desired broil setting level appears in the display. Push **UP ARROW** pad for **HI** broil or the **DOWN ARROW** pad for **LO** broil. Most foods can be boiled at the **HI** broil setting. Select the **LO** broil setting to avoid excess browning or drying of foods that should be cooked to the well-done stage.
4. Place grid on the broiler pan, then place the food on the grid. **DO NOT** use the broiler pan without the grid or cover the grid with aluminum foil. The exposed fat could ignite.
5. Place the pan on the oven rack. **Close the oven door.**
6. Broil on one side until food is browned; turn and cook on the second side. **Note**: Always pull the rack out to stop position before turning or removing food.
7. When broiling is finished, push the **CLEAR OFF** pad.

⚠ **CAUTION** Should an oven fire occur, close the oven door and turn off the oven. If the fire continues, use a fire extinguisher. **DO NOT** put water or flour on the fire. Flour may be explosive.

Setting Oven Controls (continued)

To Set the Automatic Timer (Timed Bake Feature-If equipped)
The **BAKE TIME** and **STOP TIME** controls operate the Timed Bake Feature. The automatic timer will turn the oven on and off at the times you select in advance. The oven can be programmed to start immediately and shut off automatically or to begin baking at a later time with an automatic shut off.

To Program the Oven to Begin Baking Immediately and To Shut Off Automatically:
1. Be sure that the clock shows the correct time of day.
2. Place the food in the oven.
3. Push the **BAKE** pad.
4. Within 5 seconds, push the **UP** or **DOWN ARROW** pad. The display will show "350°F (177°C)." By holding the **UP** or **DOWN ARROW** pad, the temperature can then be adjusted in 5°F (1°C) increments.
5. Push the **BAKE TIME** pad. "0:00" will flash in the display.
6. Push the **UP** or **DOWN ARROW** pad until the desired amount of baking time appears in the display.

To Program Oven for a Delayed Start Time and to Shut-Off Automatically:
1. Be sure that the clock shows the correct time of day.
2. Place the food in the oven.
3. Push the **BAKE** pad.
4. Within 5 seconds, push the **UP** or **DOWN ARROW** pad. The display will show "350°F (177°C)." By holding the **UP** or **DOWN ARROW** pad, the temperature can then be adjusted in 5°F (1°C) increments.
5. Push the **BAKE TIME** pad. "0:00" will flash in the display.
6. Push the **UP** or **DOWN ARROW** pad until the desired amount of baking time appears.
7. Push the **STOP TIME** pad. The earliest possible stop time will flash in the display.
8. Push the **UP** or **DOWN ARROW** pad until the desired stop time appears in the display.
9. Once the controls are set, the control calculates the time when baking will start in order to finish at the time you have set.

Once the Controls are Set:
a. The oven will come on and begin heating to the selected baking temperature.
b. The oven temperature (or time of day) will show in the display.

When the Set Bake Time Runs Out:
a. "END" will appear in the display window and the oven will shut off automatically.
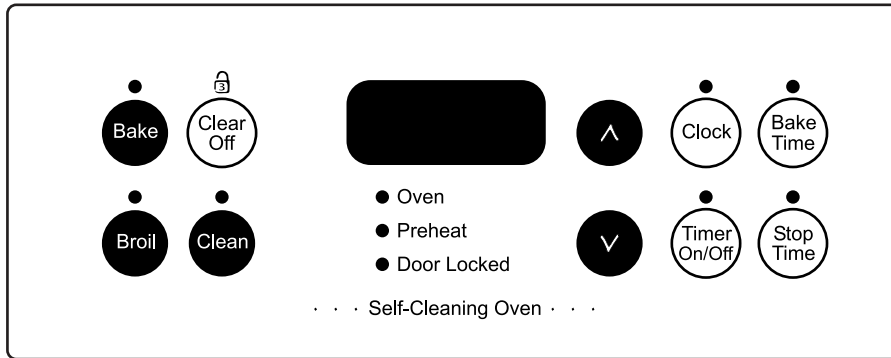b. The control will beep 3 times every 60 seconds until the **CLEAR OFF** pad is pushed.

To Change the Oven Temperature or Bake Time after Baking has Started:
1. Push the function pad you want to change.
2. Push the **UP** or **DOWN ARROW** pad to adjust the setting.
Note: If bake time is modified, stop time will be affected and readjusted automatically regarding to the new bake time.

⚠ **CAUTION** Use caution when using the automatic timer. 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.

Oven Cleaning

. . . Self-Cleaning Oven . . .

> **Note (some range models only):** During the self-cleaning, the surface element, when used, are subjected to high heat. To ensure maximum element life, a safe guard locks off the use of the surface elements during the self-clean cycle. Once the oven cleaning cycle is completed and the oven door can be opened, the surface elements can be utilized.

To Start the Self-Clean Cycle
*We recommend a 2 hour self-clean cycle for **light soils**, and a 3 hour cycle for **average to heavy soils** (to assure satisfactory results).

To Set the Controls for a Self-Clean Cycle:
1. Be sure the clock shows the correct time of day.
2. Push the **CLEAN** pad. "- - -" appears in the display.
3. Push the **UP ARROW** pad until "3:00" appears in the display for a 3 hour cycle, or push the **DOWN ARROW** pad until "2:00" appears in the display for a 2 hour cycle.
4. As soon as the **UP** or **DOWN ARROW** pad is released, "CLn" appears in the display.
5. As soon as the controls are set, the motor driven lock will begin to close automatically and the "LOCK" indicator light will flash. **DO NOT** open the door while the light is flashing (it takes about 15 seconds for the lock to close).
6. The "LOCK" light will glow until the cleaning cycle is completed or cancelled, and the oven temperature has cooled.

When the Self-Clean Cycle is Completed:
1. The time of day or "End" will appear in the display window and the "Clean" and "LOCK" light will continue to glow.
2. Once the oven has cooled down for about 1 hour and the "LOCK" light has gone out, the oven door can be opened.
3. If "End" is in display and the "Clean" indicator remains on, press **CLEAR OFF** pad. The time of day will appear in the display.

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:
1. Push the **CLEAR OFF** pad.
2. Once the oven has cooled down for about 1 hour and the "LOCK" light has gone out, the oven door can be opened.
3. Correct the condition which caused the smoking.
4. Restart the self-clean cycle once all conditions have been corrected.

⚠ **CAUTION** Use care when opening the oven door after self-cleaning cycle. Stand to the side of the oven when opening the door to allow hot air or steam to escape.

⚠ **CAUTION** **DO NOT** force the oven door open. This can damage the automatic door locking system. Use caution when opening the door after the self-cleaning cycle is completed. The oven may still be **VERY HOT.**

Recalibrating Your Oven Temperature

Recalibrating Your Oven Performance

The temperature in the oven has been 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 recommended temperature. The baking results should help you to decide how much of an adjustment is needed.

To Adjust Oven Temperature:

1. Push the **BAKE** pad.
2. Set the temperature to 550°F (287°C) by pushing and holding the **UP ARROW** pad.
3. Within 2 seconds, push and hold the **BAKE** pad until the special 2 digit display appears. Release the **BAKE** pad. The display now indicates the amount of degrees offset between the original factory temperature setting and the current temperature setting. If the oven control has the original factory calibration, the display will read "00."
4. The temperature can now be adjusted up or down 35°F (17°C), in 5°F (1°C) steps by pushing and holding the **UP** or **DOWN ARROW** pad. Adjust until the desired amount of degrees offset appears in the display. When lowering the oven temperature, a minus sign (-) will appear before the number to indicate that the oven will be cooler by the displayed amount of degrees.
5. When you have made the desired adjustment, push the **CLEAR OFF** pad to go back to the time of day display.

Note: The adjustment made will not change the self-cleaning temperature.

Failure Modes

All failure modes give a visual and audible alarm. When display shows **F1** (internal fault), **F3** (oven sensor circuit fault) or **F9** (motor door lock fault), the electronic oven control has detected a fault condition. Note that code and push the **CLEAR OFF** pad to clean the display and stop the beeping. Reprogram the oven. If fault recurs, push **CLEAR OFF** pad, disconnect the appliance to prevent damage and contact an authorized servicer.

Notes