

# Owner's Manual



## Commercial Microwave Oven

Keep these instructions for future reference.  
If the oven changes ownership, this manual  
must accompany oven.

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# Model Identification

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When contacting Amana, provide product information. Product information is located on oven serial plate. Record the following information:

Model Number: \_\_\_\_\_

Manufacturing Number: \_\_\_\_\_

Serial or S/N Number: \_\_\_\_\_

Date of purchase: \_\_\_\_\_

Dealer's name and address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Any questions or to locate an authorized Amana servicer, call toll free 1-866-426-2621 inside the U.S.A or Canada, or 1-319-622-5511 outside the U.S.A or Canada. Warranty service must be performed by an authorized Amana servicer. Amana also recommends contacting an authorized Amana servicer if service is required after warranty expires.

# IMPORTANT SAFETY INSTRUCTIONS



Recognize this symbol as a **SAFETY** message



## WARNING

When using electrical equipment, basic safety precautions should be followed to reduce the risk of burns, electrical shock, fire, or injury to persons.

1. READ all instructions before using equipment.
2. READ AND FOLLOW the specific “PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY” on this page.
3. This equipment **MUST BE EARTHED**. Connect only to properly **EARTHED** outlet. See “**EARTHING INSTRUCTIONS**” on page 5.
4. Install or locate this equipment **ONLY** in accordance with the installation instructions in this manual.
5. Some products such as whole eggs and sealed containers—for example, closed glass jars—are able to explode and **SHOULD NOT** be **HEATED** in this oven.
6. Use this equipment **ONLY** for its intended use as described in this manual. Do not use corrosive chemicals or vapors in this equipment. This type of oven is specifically designed to heat, cook, or dry food. It is not designed for industrial or laboratory use.
7. As with any equipment, **CLOSE SUPERVISION** is necessary when used by **CHILDREN**.
8. See door cleaning instructions on page 12 of this product safety manual.
9. **DO NOT** heat baby bottles in oven.
10. Baby food jars shall be open when heated and contents stirred or shaken before consumption, in order to avoid burns.
11. **DO NOT** operate this equipment if it has a damaged cord or plug, if it is not working properly, or if it has been damaged or dropped.
12. This equipment, including power cord, must be serviced **ONLY** by qualified service personnel. Special tools are required to service equipment. Contact nearest authorized service facility for examination, repair, or adjustment.
13. **DO NOT** cover or block filter or other openings on equipment.
14. **DO NOT** store this equipment outdoors. **DO NOT** use this product near water – for example, near a kitchen sink, in a wet basement, a swimming pool, or a similar location.
15. **DO NOT** immerse cord or plug in water.
16. Keep cord **AWAY** from **HEATED** surfaces.
17. **DO NOT** let cord hang over edge of table or counter.
18. For commercial use only.

## PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY

- A. **DO NOT** attempt to operate this oven with the door open since open door operation can result in harmful exposure to microwave energy. It is important not to defeat or tamper with the safety interlocks.
- B. **DO NOT** place any object between the oven front face and the door or allow soil or cleaner residue to accumulate on sealing surfaces.
- C. **DO NOT** operate the oven if it is damaged. It is particularly important that the oven door close properly and that there is no damage to the:
  1. door (bent)
  2. hinges and latches (broken or loosened)
  3. door seals and sealing surfaces.
- D. The oven should not be adjusted or repaired by anyone except properly qualified service personnel.

**SAVE THESE INSTRUCTIONS**

# IMPORTANT SAFETY INSTRUCTIONS



## WARNING

To avoid risk of fire in the oven cavity:

- a. DO NOT overcook food. Carefully attend oven when paper, plastic, or other combustible materials are placed inside the oven to facilitate cooking.
- b. Remove wire twist-ties from paper or plastic bags before placing bag in oven.
- c. If materials inside the oven ignite, keep oven door CLOSED, turn oven off and disconnect the power cord, or shut off power at the fuse or circuit breaker panel.
- d. DO NOT use the cavity for storage. DO NOT leave paper products, cooking utensils, or food in the cavity when not in use.



## WARNING

Liquids such as water, coffee, or tea are able to be overheated beyond the boiling point without appearing to be boiling due to surface tension of the liquid. Visible bubbling or boiling when the container is removed from the microwave oven is not always present. THIS COULD RESULT IN VERY HOT LIQUIDS SUDDENLY BOILING OVER WHEN A SPOON OR OTHER UTENSIL IS INSERTED INTO THE LIQUID. To reduce the risk of injury to persons:

- i) Do not overheat the liquid.
- ii) Stir the liquid both before and halfway through heating it.
- iii) Do not use straight-sided containers with narrow necks.
- iv) After heating, allow the container to stand in the microwave oven for a short time before removing the container.
- v) Use extreme care when inserting a spoon or other utensil into the container.



## CAUTION

To avoid personal injury or property damage, observe the following:

1. Do not deep fat fry in oven. Fat could overheat and be hazardous to handle.
2. Do not cook or reheat eggs in shell or with an unbroken yolk using microwave energy. Pressure may build up and erupt. Pierce yolk with fork or knife before cooking.
3. Pierce skin of potatoes, tomatoes, and similar foods before cooking with microwave energy. When skin is pierced, steam escapes evenly.
4. Do not operate equipment without load or food in oven cavity.
5. Use only popcorn in packages designed and labeled for microwave use. **Popping time varies depending on oven wattage.** Do not continue to heat after popping has stopped. Popcorn will scorch or burn. Do not leave oven unattended.
6. Do not use regular cooking thermometers in oven. Most cooking thermometers contain mercury and may cause an electrical arc, malfunction, or damage to oven.
7. Do not use metal utensils in oven.
8. Never use paper, plastic, or other combustible materials that are not intended for cooking.
9. When cooking with paper, plastic, or other combustible materials, follow manufacturer's recommendations on product use.
10. Do not use paper towels which contain nylon or other synthetic fibers. Heated synthetics could melt and cause paper to ignite.
11. Do not heat sealed containers or plastic bags in oven. Food or liquid could expand quickly and cause container or bag to break. Pierce or open container or bag before heating.
12. To avoid pacemaker malfunction, consult physician or pacemaker manufacturer about effects of microwave energy on pacemaker.
13. An authorized servicer MUST inspect equipment annually. Record all inspections and repairs for future use.
14. Clean oven regularly and remove any food deposits.
15. To avoid surface deterioration, keep the oven in a clean condition. Infrequent cleaning could adversely affect the life of the appliance and possibly result in a hazardous situation.

# SAVE THESE INSTRUCTIONS

## Unpacking Oven

- Inspect oven for damage such as dents in door or inside oven cavity.
- Report any dents or breakage to source of purchase immediately.  
**Do not attempt to use oven if damaged.**
- Remove all materials from oven interior.
- If oven has been stored in extremely cold area, wait a few hours before connecting power.

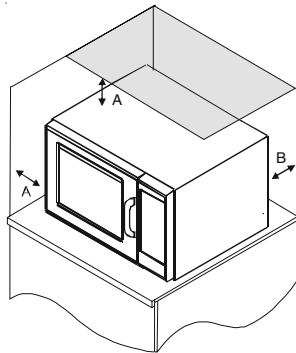
## Radio Interference

Microwave operation may cause interference to radio, television, or a similar oven. Reduce or eliminate interference by doing the following:

- Clean door and sealing surfaces of oven according to instructions in *Care and Cleaning* section.
- Place radio, television, etc. as far as possible from oven.
- Use a properly installed antenna on radio, television, etc. to obtain stronger signal reception.

## Oven Placement

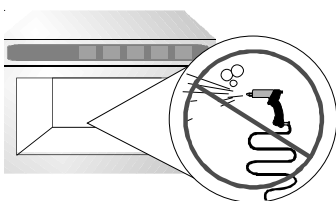
- Do not install oven next to or above source of heat, such as pizza oven or deep fat fryer. This could cause microwave oven to operate improperly and could shorten life of electrical parts.
- Do not block or obstruct oven filter. Allow access for cleaning.
- Install oven on level countertop surface.
- Place warning label in a conspicuous place close to microwave oven. (50 Hz models only)
- Outlet should be located so that plug is accessible when oven is in place.



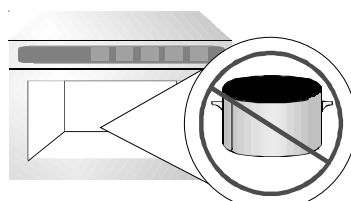
A—Allow at least 4" (10.2 cm) of clearance around top and sides of oven. Proper air flow around oven cools electrical components. With restricted air flow, oven may not operate properly and life of electrical parts is reduced.

B—Allow at least 4" (10.2 cm) between air discharge on back of oven and back wall.

### Oven Clearances



**DO NOT** power spray



**No** metal pans

## **WARNING**

To avoid risk of electrical shock or death, this oven must be earthed.

## **WARNING**

To avoid risk of electrical shock or death, do not alter the plug.

## Grounding/Earthing Instructions

### Oven **MUST** be grounded.

Grounding reduces risk of electric shock by providing an escape wire for the electric current, if an electrical short occurs. This oven is equipped with a cord having a ground wire with a grounding plug. The plug must be plugged into an outlet that is properly installed and grounded.

Consult a qualified electrician or servicer if grounding instructions are not completely understood, or if doubt exists as to whether the oven is properly grounded.

### **Do not use an extension cord.**

If the product power cord is too short, have a qualified electrician install a three-slot receptacle. This oven should be plugged into a separate circuit with the electrical rating as provided in product specifications (available on Amana's wavelink website). When a microwave oven is on a circuit with other equipment, an increase in cooking times may be required and fuses can be blown.

## External Equipotential

### Earthing Terminal (*export only*)

Equipment has secondary earthing terminal. Terminal provides external earthing connection used in addition to earthing prong on plug. Located on outside of oven back, terminal is marked with symbol shown below.



# Display and Features (some models)



## START/+30 SEC Pad

The START/+30 SEC pad is used to begin a cooking cycle and to increase the reheat time in 30 second increments.

- The START/+30 SEC pad is used to reheat for 30 seconds at 100% (full power). The oven will start immediately and 30 seconds will be added to the time counting down each time the pad is pressed up to a maximum reheating time of 5 minutes.

NOTE: Pressing the START/+30 SEC pad is only available in Manual Time Entry mode.



## STOP/RESET Pad

The STOP/RESET pad stops a cooking sequence in progress and must be pressed again to clear out any remaining cooking time.

When the STOP/RESET pad is used to end a programming change, the changes are discarded.



## Single Pad Programming

This feature enables each numbered pad to be programmed for a specific cooking cycle. To use this feature, simply program the pad to the desired length of time and power level. Press the pad once and the microwave will begin cooking. Number pads 1-10 are preprogrammed at the factory, but can be changed.



## Double Pad Programming

This feature enables 10 additional programmed entries to be made. Each entry will be assigned a double digit number. When using the double pad programming, a pad must be pressed twice within 2 seconds to start the cooking cycle.



## QTY 2X Pad

The QTY 2X pad doubles the preset cooking time. The QTY 2X pad can be used with either single or double pad programming. Maximum cooking time is 60 minutes except when cooking with full power (100%). In case of full power (100%), maximum cooking time is 20 minutes.



## Stage Cooking

Stage cooking is a cooking sequence with specific power level and time changes. The user can program up to three different power level changes and the specific amount of cooking time at each stage. Each power level/cooking time combination is known as a stage. Stage cooking is available only on electronic control models. Maximum cooking time is 60 minutes except when cooking with full power (100%). In case of full power (100%), maximum cooking time is 20 minutes.



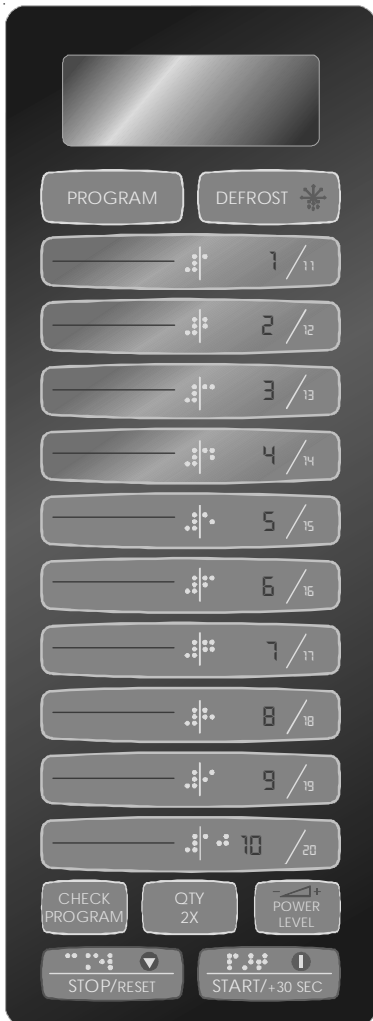
## Program Pad

This feature allows you to program a number pad for a specific power level and cooking time of your choice in any stage cooking.



## Power Level Pad

The POWER LEVEL pad allows you to program a cooking cycle for a specific power level (100%, 80%, 60%, 40%).

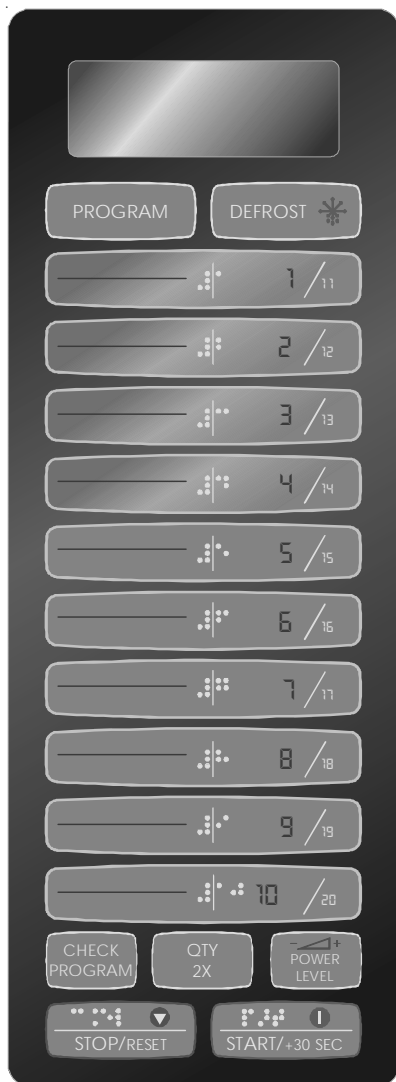




# Display and Features (some models)

## ? If These Features are Different from Yours

These features are intended to show the variety that is available in the product line. If your microwave does not have all the options that are shown, it is not a mistake. The information provided applies to several of the models in the product line.



## Check Program Pad

This feature allows you to check the programmed cooking time and power level of any programmed pad.

1. Press CHECK PROGRAM pad.
  - **CHECK** displays.
2. Press desired numeric pad.
  - **PROG--XX** displays (XX indicates program number).
  - **STAGE-1** displays then flashes to cooking time and power level.  
example: **00:30 HI**
  - display repeats for next stage(s)
3. Press STOP/RESET pad to exit Check Program function.



## Power Save Mode

This function is used for saving energy by:

1. Press and hold CHECK PROGRAM pad for 3 seconds.
  - **CHECK** displays, oven beeps and display goes blank.
2. To operate oven in Power Save mode, press any pad.
  - **:0** displays and all keypad functions will be the same as in normal mode.
  - If keypad is not touched within 10 seconds, display will go blank.
3. To deactivate, press any pad and then hold CHECK PROGRAM pad for 3 seconds.
  - **CHECK** displays and oven beeps.
4. Press STOP/RESET pad to have oven return to normal operating mode.

## Program Lock Function

This feature locks the control panel and prevents unwanted oven operations.

1. Press and hold STOP/RESET pad for 3 seconds to activate.
  - Oven beeps and **:0** along with a key graphic  appear in display.
2. Press and hold STOP/RESET pad for 3 seconds to deactivate.
  - Oven beeps and key graphic  disappears from display.

## Mute Function

This function mutes the keypad beep sound (except for end of cycle beep) by:

1. Press and hold QTY 2X pad for 3 seconds.
  - **DOUBLE** displays, oven beeps and **MUTE** displays for 1 second, then **:0** appears in display.
2. To deactivate, press and hold QTY 2X pad for 3 seconds.
  - **DOUBLE** displays, oven beeps and **:0** appears in display.



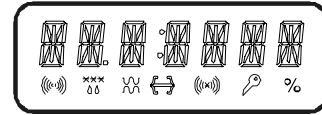
## Defrost Pad

When DEFROST is selected, the automatic cycle divides the defrosting time into periods of alternating defrost and stand times by cycling on and off. Maximum defrost time is 60 minutes.

# Display and Features (some models)

## Cooking Display

| DISPLAYS                  | DESCRIPTION   |
|---------------------------|---|
| : 0                       | Displays when oven control will accept entries.   |
| 60:00                     | Displays cooking time. If stage cooking is programmed, total cooking time is displayed. |
| DOUBLE                    | Displays when the QTY2X pad is pressed.   |
| 100%<br>80%<br>60%<br>40% | These settings display the current microwave power level used.                          |

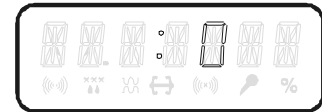


## Display

Some items in the display can be seen but are not available depending on the model. During normal operation of oven, not all items will be displayed at same time.

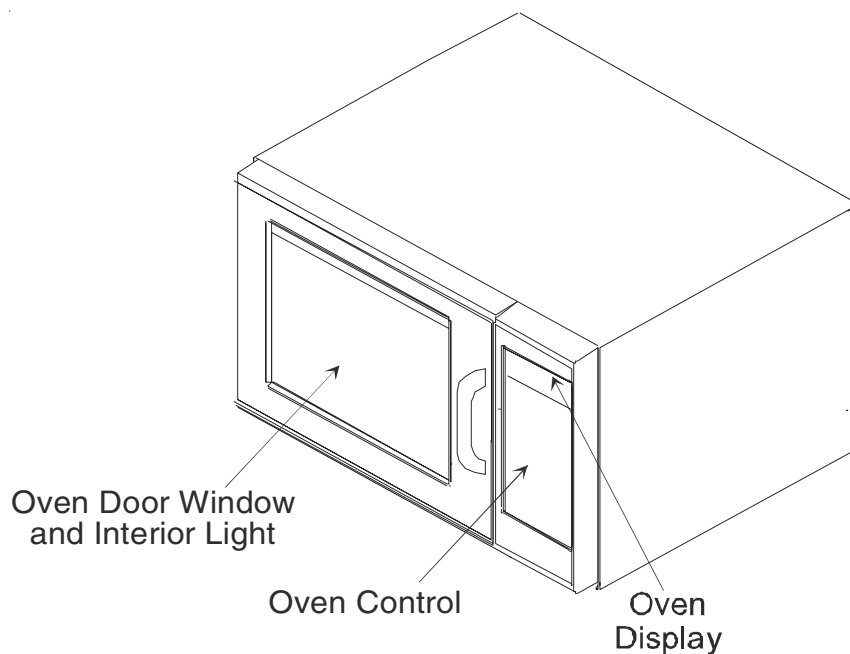
## Programming Display

| DISPLAYS   | DESCRIPTION   |
|------------|---|
| PROGRAM    | Displays when oven is in programming mode.  |
| CHECK      | Displays when CHECK PROGRAM pad is pressed.   |
| STAGE -- _ | Displays when programming a specific cooking stage and when checking the cooking cycle of a programmed pad. The oven beeps once at the change of each number (1 through 3). |



## Ready Condition

: 0 displays when an oven control will accept entries.





# Using Electronic Oven Control (some models only)



## Interrupting Operation

Open oven door or press STOP/RESET pad to interrupt operation. Display continues to show countdown time. Close door and press START/+30 SEC pad to resume oven operation.



## Canceling Mistakes

If oven is not cooking, press STOP/RESET pad to clear display. If oven is cooking, press STOP/RESET pad once to stop oven, then again to clear display. If oven door is open and time shows in display, close oven door and press STOP/RESET pad to clear display.

## Do I have stage programming?

Stage programming is a hidden feature—it is not shown with a pad on the oven. Stage cooking is a feature that is present when programming. See the Programmed Pads section on this page for details.



## QTY 2X Pad (some models)

To double the cooking time temporarily when cooking more than one serving. The maximum cooking time is 60 minutes 00 seconds except for full power. Full power (100%) maximum cooking time is 20 minutes 00 seconds.

- Open oven door and place food in oven. Close door.
  - :0 displays. Light will turn on.
- Press QTY 2X pad.
  - DOUBLE** displays
- Press desired preprogrammed pad or pad sequence. (example: pad 5)
  - PROG-05** displays
- After 1 second, oven begins cooking. Displayed cooking time is the total of original cooking time doubled.



## Defrost Pad

Defrosts food by dividing total defrost time into periods of alternating defrost and stand times by cycling on and off:

- Open oven door and place food in oven. Close door.
- Press DEFROST pad.
  - DEFROST indicator lights and :0 shows in the display.
- Press the number pad(s) to enter the desired defrosting time.
- Press START/+30 SEC pad.
- Oven begins to cycle.
  - The display counts down the time to show you how much defrosting time is left in the DEFROST mode.

**NOTE:** Oven beeps during the defrosting cycle to signal that the food needs to be turned or rearranged.

- Open door and rearrange food. Close door.
- Press START/+30 SEC pad to continue defrost cycle.

**NOTE:** If you don't open door to rearrange food, defrost cycle continues.

## Manual Time Entry

To cook food using a specific entered time and power level.

**NOTE:** To use Time Entry, you must press POWER LEVEL Pad first.

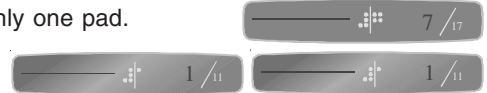
- Open oven door and place food in oven. Close door.
  - :0 displays. Light will turn on.
- Press POWER LEVEL pad.
  - Press POWER LEVEL pad to change power level if desired (some models).
  - Power level (example: **100%**) displays.
    - 100% indicates 100% microwave power, 80% indicates 80%, 60% indicates 60%, and 40% indicates 40% microwave power. By continuing to press the Power level pad, the power level will cycle through each level continuously.
- Enter cooking time by using the numbered pads.
- Press START/+30 SEC pad to begin cooking cycle.
  - At end of cooking cycle, oven beeps and shuts off.



## Programmed Pads

To cook food using pads preprogrammed with cooking sequences.

- Open oven door and place food in oven. Close door.
  - :0 displays. Light will turn on.
- Press desired pad.
  - For single pad entry, press only one pad.
  - For double pad entry, press same pad twice.
  - If pad has not been programmed, **NO DATA** displays.
- Oven begins to cook.
  - Total cooking time displays.
- At end of cooking cycle oven beeps and shuts off.



## Factory Settings

| Pad | Time    | Pad | Time           |
|-----|---------|-----|----------------|
| 1   | 10 sec. | 6   | 1 min. 30 sec. |
| 2   | 20 sec. | 7   | 2 min.         |
| 3   | 30 sec. | 8   | 3 min.         |
| 4   | 45 sec. | 9   | 4 min.         |
| 5   | 1 min.  | 0   | 5 min.         |

# Programming Electronic Oven Control (some models only)

## Programming Pads

Oven is shipped from factory with pads 1-10 preprogrammed. To re-program pads 1-10 or program pads 11-19, use the following procedures.

1. Door can be in either open or closed position with :0 showing in display.
2. Press PROGRAM pad.
  - **PROGRAM** appears in display.
3. Press desired number pad to be programmed.
  - If pad 4 is being programmed, **PROG- 04** will appear in display.
4. Press POWER LEVEL pad to select desired power level.
  - Press POWER LEVEL pad to change power level if desired (some models).
  - **POWER LEVEL** displays.
    - 100% indicates 100% (full) microwave power, 80% indicates 80%, 60% indicates 60%, and 40% indicates 40% microwave power. By continuing to press the Power level pad, the power level will cycle through each level continuously.
5. Press desired number pad(s) to program desired cooking time.
6. Press START/+30 SEC pad to save programming for Stage 1.
  - If Stage 2 or Stage 3 is desired for programming, repeat steps 4 through 5.
  - If Stage 2 or Stage 3 is not desired press STOP/RESET pad, to end programming sequence.

**NOTE:** If door is closed or STOP/RESET pad is pressed before programming is complete, changes are discarded and microwave exits programming mode.

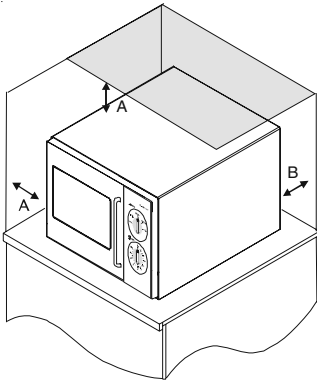


## ? The display shows PROGRAM.

When PROGRAM pad is pressed, the display will show PROGRAM.

# Dial Operation (some models only)

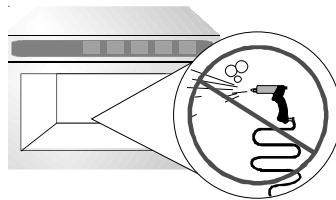
## Dial option is available on some models only.



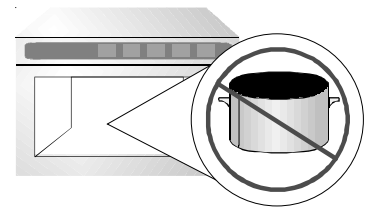
### Oven Clearances

A—Allow at least 4" (10.2 cm) of clearance around top and sides of oven. Proper air flow around oven cools electrical components. With restricted air flow, oven may not operate properly and life of electrical parts is reduced.

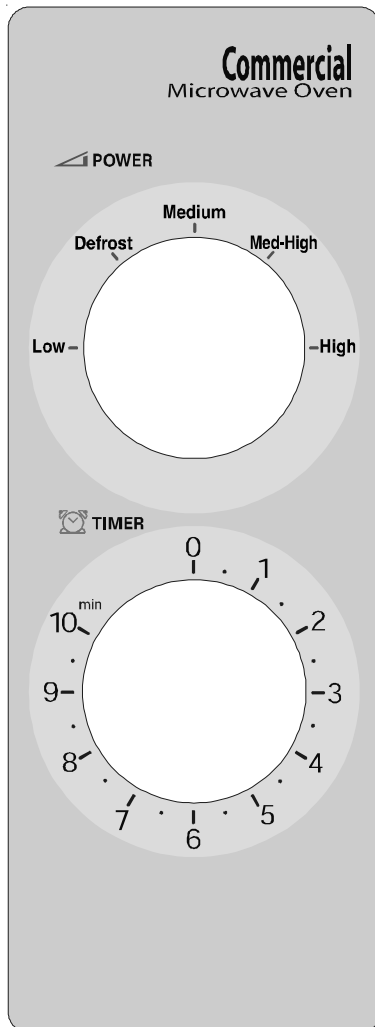
B—Allow at least 4" (10.2 cm) between air discharge on back of oven and back wall.



**DO NOT** power spray



**No metal pans**



### Heating

1. Open oven door, place food in oven, and close oven door.
2. Turn the power level knob to desired power level.
  - Power level can be set at Low (17%), Defrost (33%), Medium (55%), Med. High (77%), or High power (100%).
3. Turn time entry knob clockwise until desired time displays.
  - Cooking time can be set up to 10 minutes.
  - If turning the timer knob for less than 2 minutes, turn it past 2 minutes and then back to the desired time.
4. Oven begins operation and time counts down.
5. When cooking time elapsed, microwave energy stops and oven signal sounds.

### Interrupting Operation

Open oven door to interrupt operation or turn time entry knob counterclockwise to "0". To resume microwave oven operation, close oven door.

If time was changed to "0", time will need to be reset.

### Changing Time and Power/Canceling Mistakes

Cooking time and power level can be changed at any time while the oven is operating. Turn knob(s) to desired new setting. To set cooking time to zero, turn time entry knob counterclockwise to "0".

# Care and Cleaning

| PART                         | CARE AND CLEANING RECOMMENDATION  |
|------------------------------|---|
| Interior, Exterior, and Door | <p>Clean microwave oven with mild detergent in warm water using soft sponge or cloth. Wring sponge or cloth to remove excess water before wiping equipment. If desired, boil a cup of water in microwave oven to loosen soil before cleaning.</p> <p><b>Important:</b></p> <ul style="list-style-type: none"> <li>Do not use abrasive cleansers or cleaners containing ammonia or citrus. These could damage finish.</li> <li>Never pour water into microwave oven bottom.</li> <li>Do not use water pressure type cleaning systems.</li> </ul> |
| Discharge Air Vents          | <p>Check monthly for a buildup of particles along intake screen on back of oven. Clean screen with damp cloth to ensure proper airflow. Dry thoroughly.</p>   |
| Control Panel                | <p>Open oven door to deactivate oven timer. Clean with mild detergent in warm water using soft sponge or cloth.</p>   |

## Before Calling for Service



### WARNING

To avoid electrical shock which can cause severe personal injury or death, do not remove outer case at any time. Only an authorized Amana servicer should remove outer case.

| Problem   | Possible Cause  |
|---|---|
| Oven does not operate.  | <p>Confirm oven is plugged into dedicated circuit.</p> <p>Confirm oven is on grounded and polarized circuit. (Contact electrician to confirm)</p> <p>Check fuse or circuit breaker.</p> <p>Check that the door is firmly closed.</p>  |
| If oven does not accept entries when pad is pressed.                      | <p>Make sure oven is on.</p> <p>Open and close oven door. Press pad again.</p>  |
| <p>If oven malfunctions or shows:</p> <p><b>E20</b></p> <p><b>E30</b></p> | <p>Oven control is equipped with a self-diagnostic system. Self-diagnostic system alerts you if there is an error or problem. When electronic control signals a problem, follow steps listed below.</p> <ol style="list-style-type: none"> <li>Record number shown.</li> <li>Unplug oven, wait for 1 minute, and plug in oven. <ul style="list-style-type: none"> <li>Disconnecting electrical supply may eliminate service code. If failure continues, contact an authorized Amana servicer or call Amana toll free at 1-866-426-2621 inside the U.S.A. or Canada, or 1-319-622-5511 outside the U.S.A or Canada.</li> </ul> </li> </ol> |
| If oven shows <b>E 10</b> in display:                                     | <p>An attempt has been made to program the oven for more time than allowed.</p> <ol style="list-style-type: none"> <li>Press STOP/RESET pad.</li> </ol> <p>NOTE: Maximum cooking time is 60 minutes except when cooking with full power (100%). In case of full power (100%), maximum cooking time is 20 minutes.</p>   |
| Oven operates but does not heat food.                                     | <p>Place one cup of water in oven.</p> <p>Run for one minute at full power (100%).</p> <p>If temperature does not rise, oven is not operating correctly. Contact an authorized Amana servicer or call Amana toll free at 1-866-426-2621 inside the U.S.A. or Canada, or 1-319-622-5511 outside the U.S.A or Canada.</p>   |
| Low Power (Dial Models Only)  | <p>Check Power Level control setting. Control must be set to HIGH.</p>  |