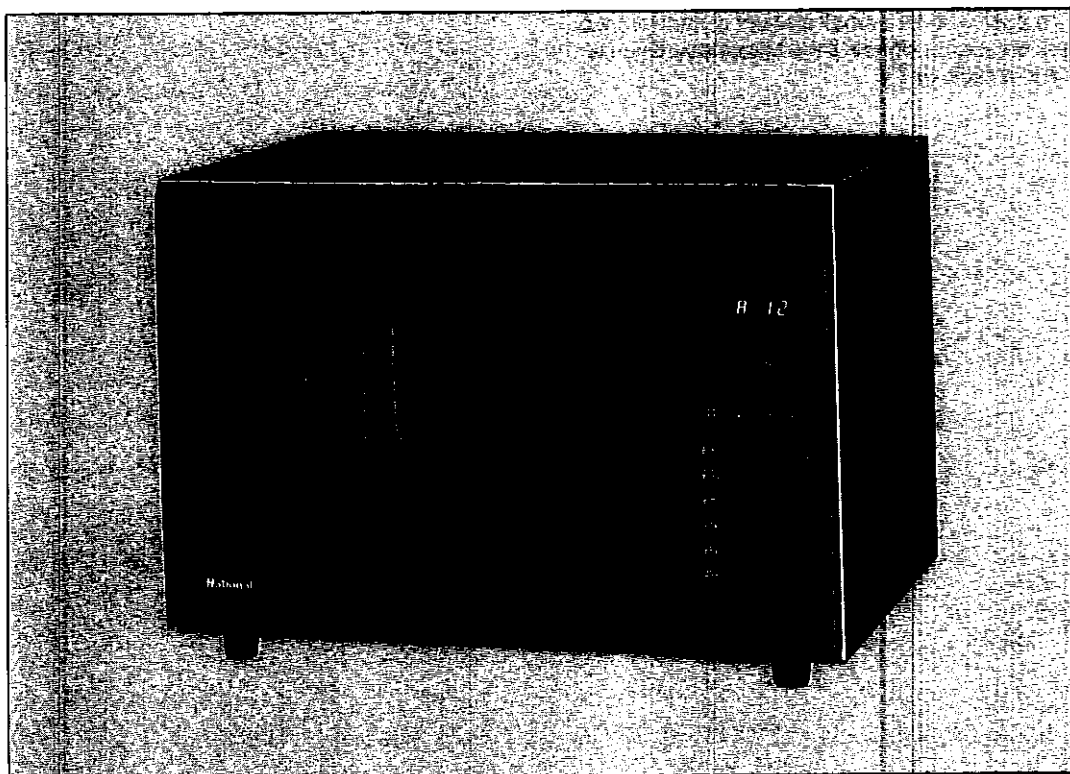


Operating Instructions

NE-770



 **National**

Before operating this set, please read these instructions completely.

Installation

Earthing

IMPORTANT: FOR PERSONAL SAFETY, THIS APPLIANCE MUST BE PROPERLY EARTHED.

When a wall socket is not earthed, it is the personal responsibility and obligation of the customer to have it replaced with a properly earthed wall socket.

Voltage and power warning

The voltage used must be the same as specified on this Microwave Oven. Using a higher voltage than that which is specified is dangerous, and may result in a fire or other type of accident causing damage.

Placement of the oven

Locate the oven on surface which is flat and stable. Do not place the oven in a hot or damp place; example—near a gas or electric range. Do not operate the oven when the room temperature is higher than 40°C (104°F) and/or the humidity is more than 85%. Free airflow around the oven is essential.

There is a possibility of a small amount of interference with weak broadcast signals if the Microwave Oven is too close to a radio or TV.

WARNING:

THIS APPLIANCE MUST BE EARTHED.

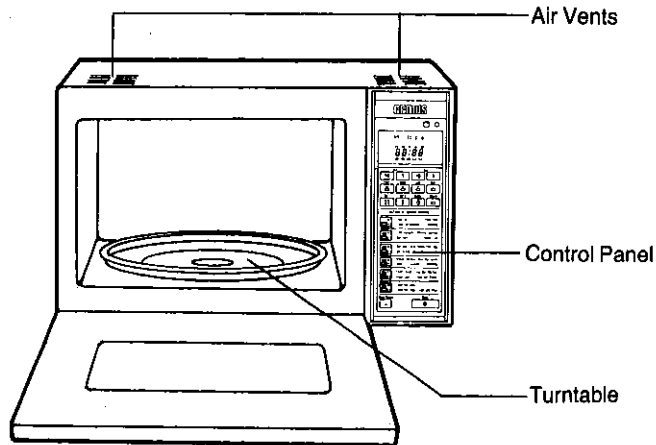
IMPORTANT:

The wires in this main lead are coloured in accordance with the following code:

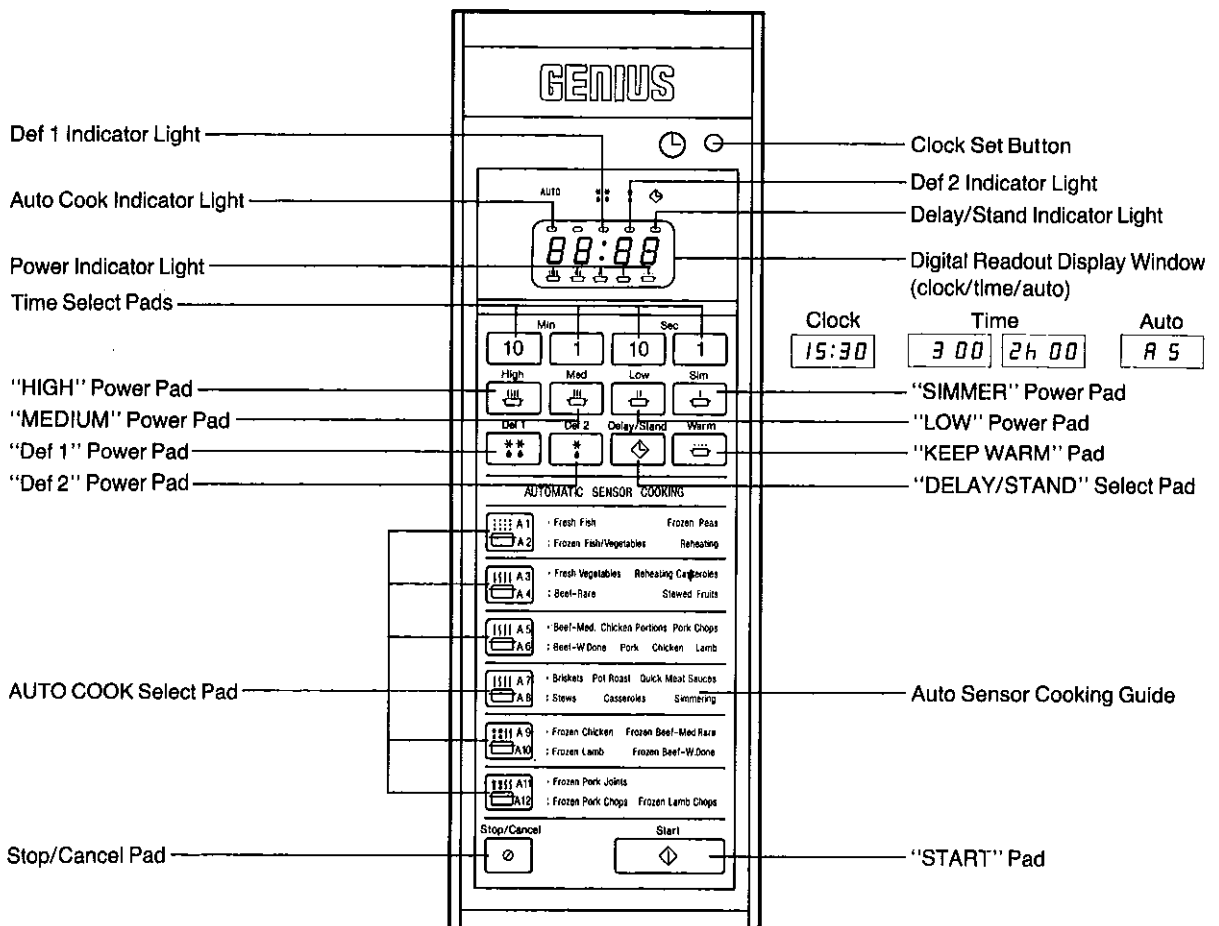
Green-and-yellow:	Earth
Blue:	Neutral
Brown:	Live

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows: The wire which is coloured GREEN-and-YELLOW must be connected to the terminal in the plug which is marked with the letter E or by the safety earth symbol  or coloured GREEN or GREEN-and-YELLOW. The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK. The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED.

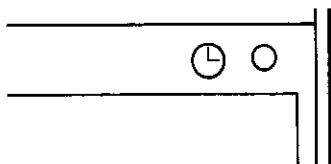
Feature diagram



Control panel



Controls



Clock Set Button

When the oven is first plugged in: The colon in the Display Window will blink. Enter the time of the day by tapping the appropriate Time Select Pads.

Example: If it is 14:25, tap the 10 min. pad once, 1 min. pad 4 times, the 10 sec. pad twice, and the 1 sec. pad 5 times.

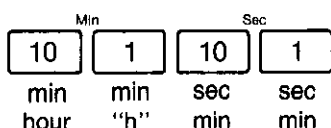
The Display Window will show 14:25 with the colon blinking.

Push the Clock Set Button. The colon stops blinking. The clock is set and will keep the time of the day as long as the unit is plugged in and electric energy is supplied.

NOTE: To Reset the time of the day in the Display Window, push the Clock Set Button again to clear the time.

Enter the correct time of the day by following the above procedure.

Time Select Pads

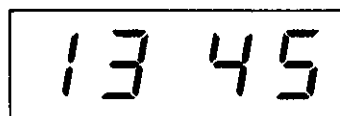


Basic Time Setting—All power except Simmer and Delay/Stand

DELAY/STAND & SIMMER

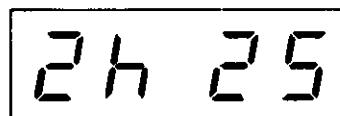
Example 1: High—13 min. 45 sec.

10 min. pad: 1 tap
1 min. pad: 3 taps
10 sec. pad: 4 taps
1 sec. pad: 5 taps

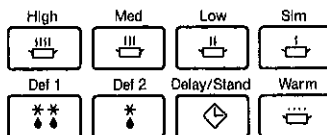


Example 2: Simmer—2 hours 25 min.

10 min. pad: 2 taps
10 sec. pad: 2 taps
1 sec. pad: 5 taps



When DELAY/STAND and/or SIMMER are selected, the Time Select Pads change to hours and minutes. The ten(10) minute pad will programme hours in the display window. The one(1) minute pad will be inoperable and display "h", indicating hours. The second pads, ten(10) and one(1), will programme minutes in the display window. No visible second countdown will be seen in the display window until 59 minutes remains. The timer will then display minutes and seconds.



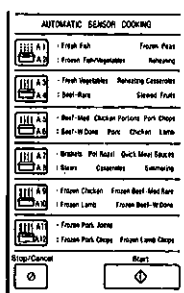
Power Select Pads

For Power Selection: At HIGH power, your microwave oven is rated at 700 watts. Listed below is the approximate percentage of cooking power at the lower power settings.

HIGH	100%	SIMMER	25%
MEDIUM	70%	DEFROST 2	18%
LOW	50%	WARM	10%
DEFROST 1	35%	DELAY/STAND	0%

NOTE: In case of defrosting more than 2 kg (4 lbs) in weight of either meat or poultry, use defrost 2 and allow 10 minutes per 450 g (1 lb). Calculate total defrost time for item. This total defrost time should be split into two halves and a resting period of 30 minutes should be allowed (this can be programmed).

For example in case of defrosting a 6 lb joint of meat, allow defrosting time of 60 minutes. Programme defrost 2 for 30 minutes, stand for 30 minutes, then defrost 2 for remaining 30 minutes. Allow a further 15–20 minutes stand time before proceeding to cook programmes. See hints and tips on defrosting in cookbook.



Auto Sensor Cooking Pads

12 Auto Sensor Cycles are available.

NOTE: For Auto Sensor Cooking Pads Selection, touch each pad once for an odd number selection and touch each pad twice for an even number selection.
Example: If you select Auto 8, touch Auto 7–8 Pad two times.



Keep Warm Pad

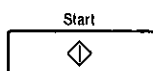
To keep foods warm after Power/Time cooking or Auto Sensor Cooking is completed. To prevent drying out most foods keep warm time should not be longer than 30 minutes. However, if required, maximum time is 99 min. 99 sec..



Delay/Stand Pad

To delay cooking or to programme Stand Time after cooking is completed or as an auxiliary timer, up to 9 hour 99 min.

NOTE: It is not always advisable to use Delay Start when selecting any defrost function by time or Auto Sensor Cooking. If left in the oven too long, some defrosting may take place before Defrost or Auto Sensor Cooking begins, causing inaccurate results.



Start Pad

One touch begins cooking. If door is opened or Stop/Reset Pad is touched once during cooking, Start Pad must always be touched to begin cooking operation.



Stop/Cancel Pad

Before Cooking: One touch clears instructions.

During Cooking: One touch temporarily stops the cooking progress. Another touch cancels all programmes and the time of the day reappears in the Display Window.

Beep Sound

When a correct Pad is tapped, a beep sound is heard. If a Pad is tapped and no beep sound is heard, the unit has not or cannot accept the instruction.

Two beeps will sound between stages. At the end of any complete programme, five beeps will be heard.

Opening Door

Opening the door during cooking will stop the cooking progress without cancelling programme. Cooking resumes as soon as the door is closed and START Pad is tapped.

Operating procedure

TIME COOKING

One-Stage Cooking

Step 1: Set cooking power by tapping the appropriate POWER Pad.

Clock time disappears, and Power Indicator Light appears.

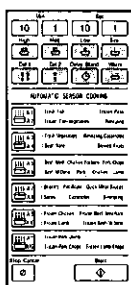
Step 2: Set cooking time by tapping the appropriate Time Pads.

Example: To set 15 minutes and 30 seconds, tap 10 min. pad once, 1 min. pad 5 times, 10 sec. pad 3 times.

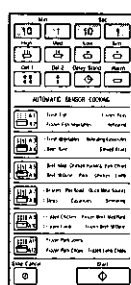
(The cooking time appears in the Display Window.)

Step 3: Touch START Pad.

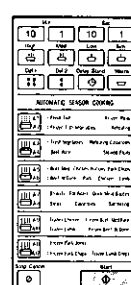
Microwave activity starts. Power Indicator Light blinks. Turntable begins to rotate. Oven light turns on and cooking time begins to count down. When cooking time has elapsed, oven beeps and turns off automatically. Turntable stops. Power Indicator and oven lights turn off. Time of the day reappears in the Display Window.



Step 1



Step 2



Step 3

Two-Stage Programmed Cooking

Step 1: Set first stage cooking power by tapping the appropriate POWER Pad.

Clock time disappears, and Power Indicator Light appears.

Step 2: Set first stage cooking time by tapping the appropriate Time Pads.

First stage cooking time appears in the Display Window.

Step 3: Set second stage cooking power by tapping the appropriate POWER Pad.

First stage time disappears. Second stage cooking power indicator light appears above the power selected. First stage cooking Power Indicator Light turns off.

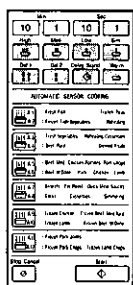
Step 4: Set second stage cooking time by tapping the appropriate Time Pads.

Second stage cooking time appears in the Display Window.

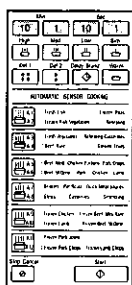
Step 5: Touch START Pad.

Second stage cooking time disappears and first stage cooking-time reappears in the Display Window and begins to count down. First stage Power Indicator Light turns on and starts to blink. Second stage Power Indicator Light remains on. Oven light turns on. Turntable rotates. Microwave activity begins. When the first stage cooking time has elapsed, second stage cooking time reappears in the Display Window and begins to count down. A beep sounds twice. First stage Power Indicator Light turns off. Second stage Power Indicator Light starts to blink.

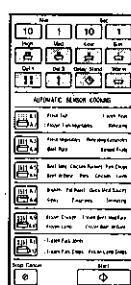
When the second stage cooking time has elapsed, a beep sounds five times and oven turns off automatically. Second stage Power Indicator Light and oven light turn off. Turntable stops. Time of the day reappears in the Display Window.



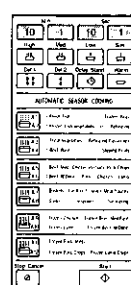
Step 1



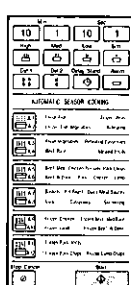
Step 2



Step 3



Step 4



Step 5

NOTE:

Some additional examples of 2 stage programme cooking are:

DEFROST→MEDIUM DELAY→HIGH
MEDIUM→STAND DEFROST→HIGH

Follow above procedure for any 2 stage programme cooking.

Three-Stage Programmed Cooking

Step 1: Set first cooking power by tapping the appropriate POWER Pad.

Clock time disappears, and Power Indicator Light appears in the Display Window.

Step 2: Set first stage cooking time by tapping the appropriate Time Pads.

First stage cooking time appears in the Display Window.

Step 3: Set second stage cooking power by tapping the appropriate POWER Pad.

First stage time disappears. Second stage cooking Power Indicator Light appears and First stage cooking Power Indicator Light turns off.

Step 4: Set second stage cooking time by tapping the appropriate Time Pads.

Second stage cooking time appears in the Display Window.

Step 5: Set third stage cooking power by tapping the appropriate POWER Pad.

Second stage time disappears. Third stage cooking Power Indicator Light appears and Second stage cooking Power Indicator Light turns off.

Step 6: Set third stage cooking time by tapping the appropriate Time Pads.

Third stage cooking time appears in the Display Window.

Step 7: Touch START Pad.

Third stage cooking time disappears and first stage cooking time reappears in the Display Window and begins to count down. First stage Power Indicator Light turns on and starts to blink. Second stage Power Indicator Light turns on. Third stage Power Indicator Light remains on. Oven light turns on. Turntable rotates. Microwave activity begins.

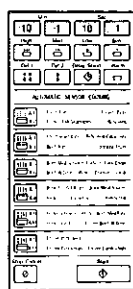
When the first stage cooking time has elapsed, a beep sounds twice. Second stage cooking time reappears in the Display Window and begins to count down. First stage Power Indicator Light turns off. Second stage Power Indicator Light starts to blink. Third stage Power Indicator Light remains on.

When the second stage cooking time has elapsed, a beep sounds twice. Third stage cooking time reappears in the Display Window and begins to count down. Second stage Power Indicator Light turns off. Third stage Power Indicator Light starts to blink. When the third stage cooking time has elapsed, five beeps are heard and oven turns off automatically. Third stage Power Indicator Light turns off.

Oven light turns off and turntable stops. Time of the day reappears in the Display Window.



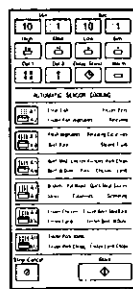
Step 1



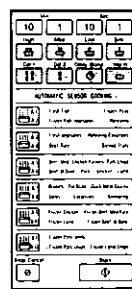
Step 2



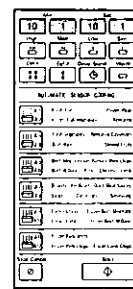
Step 3



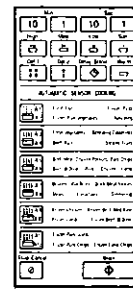
Step 4



Step 5



Step 6



Step 7

NOTE:

Some additional examples of 3 stage programme cooking are:

DEFROST→MEDIUM→WARM MEDIUM→SIMMER→WARM
HIGH→LOW→STAND DELAY→HIGH→STAND

DELAY START/STAND TIME/MINUTEMINDER

Delay Start

You may delay the start of the cooking process by up to 9 hours and 99 minutes.

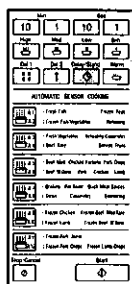
Step 1: Touch Delay/Stand Pad.

Step 2: Set desired Delay Start time by tapping appropriate Time Pads.

Step 3: Set Cooking Power by tapping Power Pad to the appropriate power.

Step 4: Set Cooking Time by tapping appropriate Time Pads.

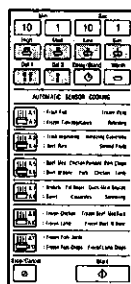
Step 5: Touch Start Pad.



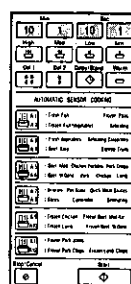
Step 1



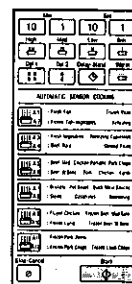
Step 2



Step 3



Step 4



Step 5

NOTE:

- It is also possible to select Delay-Start and 2-stage cooking cycle.
- Certain foods may spoil if left standing at room temperature for an unreasonably long period of time.
- If it is not advisable to use "Delay start" when selecting any defrost function, "defrosting by Time and Power". If foods are left in the oven too long, some defrosting will take place before Defrost begins.
- When "Delay Start" is set, only the time control functions, there is no microwave activity.

Stand Time

After cooking certain foods, a standing time is recommended which allows the food to complete cooking. For example, after cooking 1 cup of long grain rice, it should stand for approximately 10 minutes before serving. For your convenience, this standing time may be programmed when you are setting the cooking time and power by taking the following steps:

Step 1: Set Cooking Power by tapping Power Pad to the appropriate power.

Step 2: Set Cooking Time by tapping appropriate Time Pad.

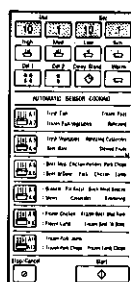
Step 3: Touch Delay/Stand Pad.

Step 4: Set desired Stand Time by tapping appropriate Time Pad.

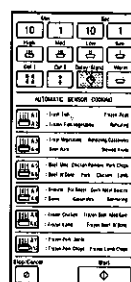
Step 5: Touch Start Pad.



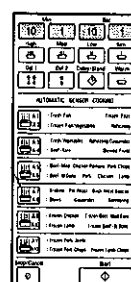
Step 1



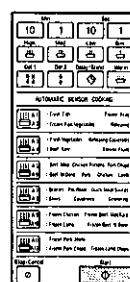
Step 2



Step 3



Step 4



Step 5

NOTE:

- It is also possible to select Stand Time and 2-stage cooking cycle.
- During the Standing Time there is no microwave activity.

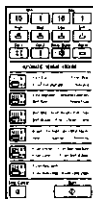
Minuteminder

When not being used for cooking, your oven may be used as a minute minder for timing other kitchen activities.

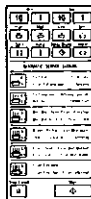
Step 1: Touch Delay/Stand Pad.

Step 2: Set desired time for timer use by tapping appropriate Time Pads.

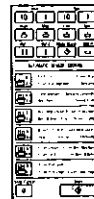
Step 3: Touch Start Pad.



Step 1



Step 2



Step 3

NOTE:

Opening the door will not interrupt the time counting down.

AUTO SENSOR COOKING

For proper cooking results on Auto Sensor programme, be sure to cover foods tightly with plastic film, or place in a glass casserole with lid as directed by recipe.

Step 1: Select the appropriate Auto Sensor programme by touching the proper Auto Sensor Cooking Pad, once or twice.

Clock time disappears, and Auto Sensor Indicator Light appears in the Display Window.

Step 2: Touch START Pad.

- Microwave activity starts. Oven light turns on and turntable starts to rotate.

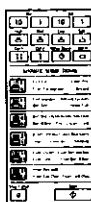
- Auto Sensor Indicator Light begins to blink. Auto Sensor programme number stays on.

- When Humidity Sensor detects moisture which escapes from the food, Time readout appears in the Display Window, indicating remaining amount of time that food will cook. Selected Auto Sensor programme number disappears. Oven beeps twice.

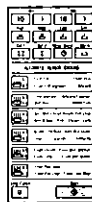
NOTE: When using Auto Sensor Programme A1, remaining cooking time will not appear.

- Cooking time counts down by second.

- When cooking time has elapsed, oven beeps five times and shuts off automatically. Oven light and Auto Sensor Indicator Light turns off. Time of the day reappears in the Display Window.



Step 1



Step 2

NOTE:

When Humidity Sensor detects moisture and oven calculates remainder of cooking time to be over 60 minutes, time will appear as hour and minutes. Seconds will not visibly count down until 59 minutes remain.

IMPORTANT:

- When cooking with Auto Sensor, do not interrupt for more than one minute for better cooking result as long as Auto Sensor (A1–12) is indicated in the Display Window.
- All foods for Auto Sensor Cooking to cook are taken from their normal storage place.
- All foods for Auto Sensor Cooking to defrost and cook should be solidly frozen.
- Before using Auto Sensor feature, make sure glass tray in the oven is dry to assure best Auto cooking results.
- Room temperature or heat surrounding the oven should not be above 35°C or below 0°C when using the Auto Sensor Cooking cycle. Inaccurate cooking may result.
- When selecting Auto Sensor Cooking for frozen foods, do not expect to be completely defrosted after first stage. This is a total cycle for frozen foods and foods should not be removed until the end of the cook cycle. For defrosting foods only, use Defrost cycle.

Automatic Checking Mechanism

1. If "E" indication appears in the Display Window: You might have given wrong instruction. "E", indicating ERROR, appears under following conditions.
 - When Defrost Power are selected after Auto Sensor Cooking.
 - When Auto Sensor Cooking is selected after Time and Power cooking. (Exception: Delay Start may be set before Auto Sensor Cooking.)
 - When clock is set at impossible time like 00:73 or 24:50.
2. If Auto Sensor Control should not work properly, oven is designed to shut off automatically 60 minutes after operation begins and to show "FFFF" in the Display Window.

Touch RESET Pad to clear "F" from the Display Window and check if the quantity of food should be proper for Auto Sensor Cooking.
3. When the oven is not being used for cooking the Display Window will show the time of the day. If the oven is affected by temporary power failure or the plug is removed and reinserted, the Display Window will show blinking colon. To reset the correct time of the day, simply follow the clock set instructions.

Touch RESET Pad to clear "E" from Display Window and enter correct instructions.

Other Helpful Instructions

For best results

1. When determining time for a particular food, always figure minimum time and check occasionally during cooking for progress. The Microwave Oven cooks so quickly, therefore it is easy to overcook your food.
2. Be careful of the cooking time for small quantities of food, or food with low water content. They may burn if cooked too long.
3. Do not use the oven for drying kitchen towels or napkins. They may burn if heated too long.
4. Do not try to boil eggs in the oven.
5. When you cook egg with yolk as it is, be sure to break the membrane to prevent bursting of the yolk prior to placing in the oven.
2. To defrost evenly, turn it over during defrosting.
3. To defrost fatty meat, heat it in the Microwave Oven for a short time and leave it at room temperature, or heat it intermittently.
4. When you defrost a whole chicken, or any frozen food of irregular shape, wrap legs or thin parts with aluminum foil. Otherwise thin parts will be defrosted faster and sometimes cooked before other parts have properly defrosted. For big pieces of meat, wrap them on the sides with aluminum foil so that they will be uniformly thawed by vertical microwaves only.
5. Ice should be removed at times during defrosting.

How to get a browning finish

Generally food does not brown when cooked by a Microwave oven. This is one of the features of the Equipment. To brown chicken, brush sauce on the surface before or during cooking. You can also brown meat in a conventional frying pan before cooking in the oven. A browning skillet for the Microwave Oven can bring the same result.

Defrosting Frozen Food

1. If you try to completely defrost frozen food in the Microwave Oven, uneven defrosting may occur due to the differences in the thickness and shape of the food. Drippings may also result, and sometimes a part of the food cooks although other parts still remain undefrosted. In actual usage of frozen food, you should not normally defrost them 100%. 50% to 70% defrosting in the Microwave Oven is ideal and helpful for the next cooking operation.

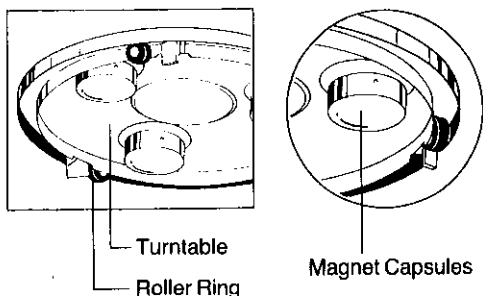
NOTE:

In case of defrosting more than 2 kg (4 lbs) in weight of either meat or poultry, use defrost 2 and allow 10 minutes per 450 g (1 lb). Calculate total defrost time for item. This total defrost time should be split into two halves and a resting period of 30 minutes should be allowed (this can be programmed).

For example in case of defrosting a 6 lb joint of meat, allow defrosting time of 60 minutes. Programme defrost 2 for 30 minutes, stand for 30 minutes, then defrost 2 for remaining 30 minutes. Allow a further 15–20 minutes stand time before proceeding to cook programmes. See hints and tips on defrosting in cookbook.

Care of Your Microwave Oven

1. Keep the inside of the oven clean. When food spatters or spilled liquids adhere to oven walls, wipe with a damp cloth. Mild detergent may be used if the oven gets very dirty. The use of harsh detergent or abrasives is not recommended.
2. The outside oven surface should be cleaned with soap and water, rinsed and dried with a soft cloth. To prevent damage to the operating parts inside the oven, water should not be allowed to seep into the ventilation openings.
3. It is occasionally necessary to remove the glass tray for cleaning. Wash the tray in warm sudsy water or in the dishwasher. Frequently clean the turntable unit (turntable and roller ring) in warm sudsy water. When removing the roller-ring from the turntable for cleaning be sure to re-install into the proper position.
Note: Because the mechanism turning the tray utilizes magnetic-capsules, remove your watch before handling.



NOTES:

- Roller ring fits under metal clips on magnetic capsules.

4. Frequently the turntable and roller ring should be removed for cleaning. There is a possibility of excessive noise from the turntable if food spills are allowed to collect on the rollers or the bottom of the oven. Simply wipe the bottom surface of the oven with a mild solution of water and dishwashing liquid or window cleaner and dry. The turntable and roller ring may be washed in mild sudsy water or dishwasher. Cooking vapors also collect during repeated use, requiring occasional cleaning, as above but they will not damage the bottom surface or roller ring.
5. If steam accumulates inside or around the outside of the oven door, wipe with a soft cloth. This may occur when the microwave oven is operated under high humidity conditions and in no way indicates malfunction of the unit.
6. Air from vent may become very warm during cooking. This is normal.
7. Protect the microwave oven against high heat and dampness. At times the water condensation will develop on the view-window or on the inside walls. This is normal, but after having finished cooking, wipe off the water condensation.

Caution

Do not turn on the oven when it is empty.

In order to maintain the high quality of the magnetron tubes, you are requested not to turn the oven on with no food inside.

Do not open the cabinet.

High volts are present inside the cabinet. Repairs and adjustments should be done only by qualified service personnel.

Do not block the air vents.

This Microwave Oven requires free airflow for maximum cooking efficiency. You should keep the air vents clear while cooking.

Do not dry clothes in the oven.

Do not dry clothes in the Microwave Oven since there is a possibility of the clothes burning if left in the oven for too long of a time.

Precautions to avoid possible exposure to microwave energy.

1. Do not attempt to operate the oven with the door open.
2. Do not place any object between the oven front face and the door or allow soil or cleaner residue to accumulate on the sealing surfaces.
3. 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 or cracked), (2) hinges and latches (broken or loosened), (3) door seals and sealing surfaces.

Technical Specifications

Power Source:	240 V, 50 Hz
Required Power:	1400 W
Output:	700 W: full power
Operating Frequency:	2450 MHz
Outer Dimensions:	557(W)×429(D)×385(H) mm
Oven Dimensions:	345(W)×360(D)×230(H) mm
Timer:	99 min. 99 sec. 9 hour 99 min.
Weight:	28.7 kg.