

# OPERATION DESCRIPTION

## MICROWAVE COOKING

### 1. When the food is placed inside the oven and door is closed.

- 1) The low voltage transformer supplies the necessary voltage to the touch control circuit when the power cord is plugged in.
- 2) The contacts of the interlock monitor switch open.  
This switch stop magnetron oscillation when door is opened during operation under abnormal condition (i.e. the contacts of primary interlock switch do not open the circuit).
- 3) The contacts of primary interlock switch close the primary circuit.

### 2. When cooking cycle and power are set by the function panel.

- 1) The display window are located on the digitron light to indicate that microwave power.
- 2) The time you set appears in the display window.

### 3. When the start button is pressed.

- 1) 120VAC is applied to the high voltage transformer.
- 2) Fan motor starts rotating and cools the magnetron by blowing the air coming from the intake on the rear plate hole.
- 3) The oven lamp light the inside of the oven.
- 4) Indicator light turns on to indicate function operation. Cooking time starts count down.

### 4. When the door is opened during cooking.

- 1) The primary interlock switch is opened to cut off primary voltage to the high voltage transformer to stop microwave oscillation.
- 2) The secondary interlock switch is opened to give the door open information to control circuit. The display stops counting down.
- 3) Fan motor and turn table stop rotating.
- 4) The oven lamp turns off.

### 5. When the Reset button is pressed and holded during cooking.

- 1) The control circuit cuts the voltage supplied and causes the magnetron to stop oscillating.
- 2) The oven lamp turns off.
- 3) Fan motor and turn table motor stop rotating.

## MICROWAVE DEFROSTING

### 1. When the Defrosting is set by the function panel.

- 1) When defrost is selected and the desired defrosting weight is chosen, the automatic cycle divides the defrosting time into 3 periods, the first period equal 1/4 defrosting time, 50% power, alternating defrost and stand times, the microwave power is 12s on and 10s off. the second period equal 1/4 defrosting time, 30% power, alternating defrost and stand times, the microwave power is 8s on and 14s off. the last period equal 1/2 defrosting time, 10% power, alternating defrost and stand times, the microwave power is 4s on and 18s off.

## MICROWAVE COOKING CYCLE

Power Level	OUTPUT POWER AGAINST FULL POWER (s)	Indicated Power
5	22/22	P10 (100%)
4	16/22	P 7 (70%)
3	12/22	P 5 (50%)
2	8/22	P 3 (30%)
1	4/22	P 1 (10%)