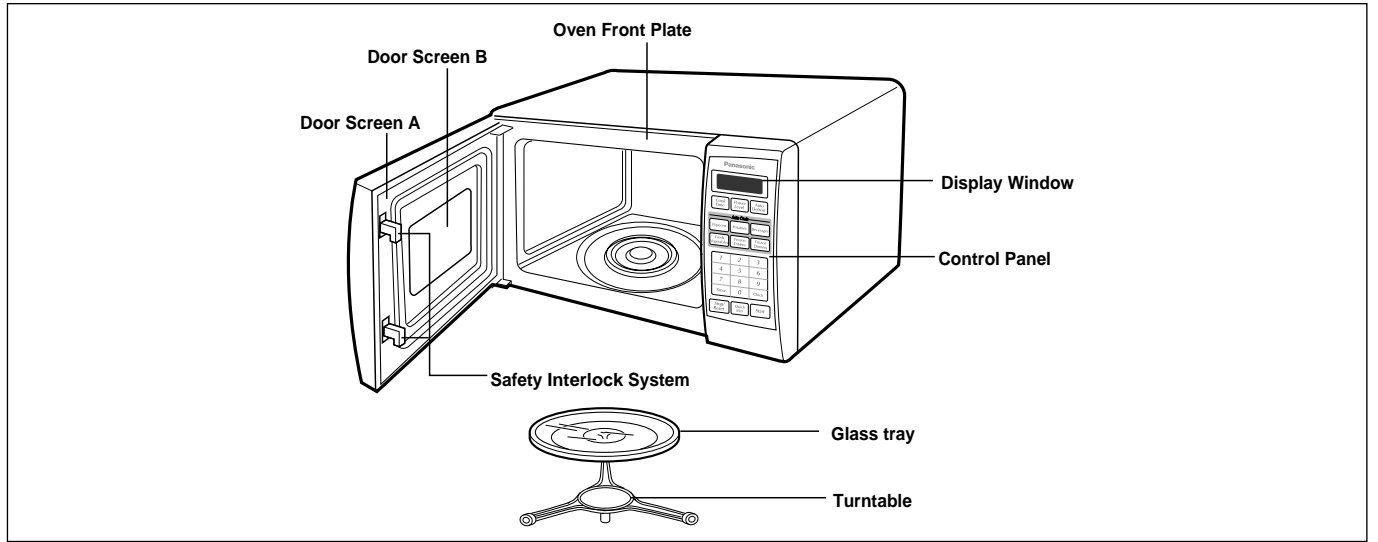
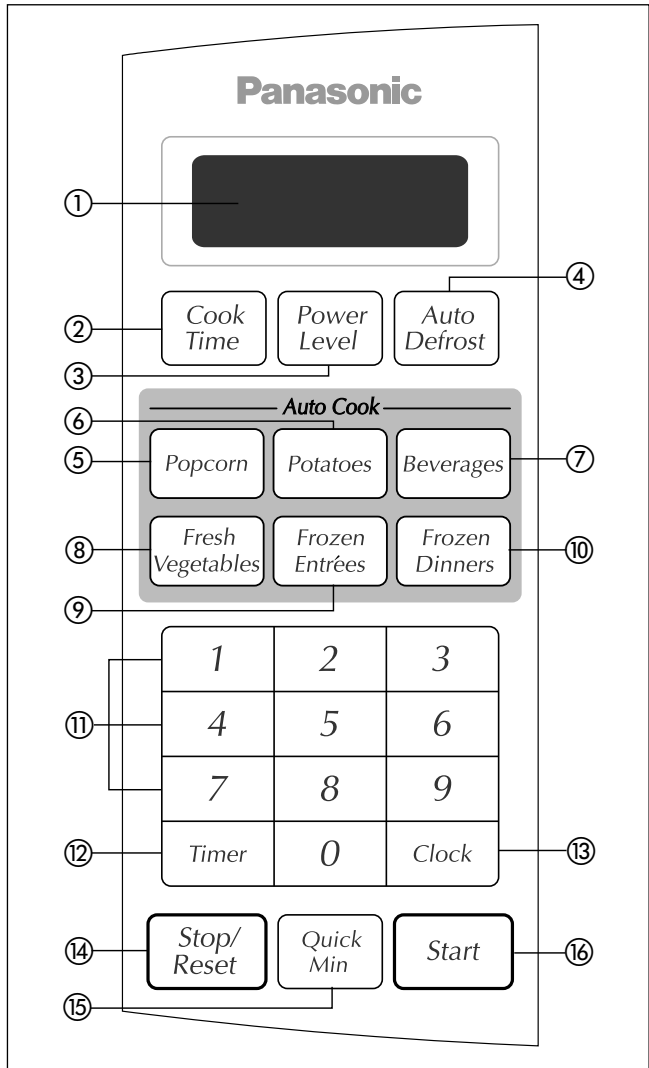


FEATURES



CONTROL PANEL



- 1. DISPLAY.** The display includes a clock and indicators that tell you time of day, cooking time settings, and cooking functions selected.
- 2. COOK TIME.** Touch this pad to set a cooking power.
- 3. POWER LEVEL.** Touch this pad to set a cooking power.
- 4. AUTO DEFROST.** Touch this pad to thaw meat, fish, or poultry by entering a weight.
- 5. AUTO COOK POPCORN.** Touch this pad to pop a bag of microwave popcorn without entering a cook power or time.
- 6. AUTO COOK POTATOS.** Touch this pad to cook up to 4 potatoes without entering a cook power or time.
- 7. AUTO COOK BEVERAGES.** Touch this pad to heat up to 2 cups of beverage without entering a cook power or time.
- 8. FRESH VEGETABLES.** Touch this pad to cook fresh vegetables without entering a cook power or time.
- 9. FROZEN ENTRÉES.** Touch this pad to cook a 10 oz. frozen entree without entering a cook power or time.
- 10. FROZEN DINNERS.** Touch this pad to heat a plate of heat food without entering a cook power or time.
- 11. NUMBER PADS.** Touch number pads to enter cooking time, power level, quantities, or weights.
- 12. TIMER.** Touch this pad to use your microwave oven as a kitchen timer.
- 13. CLOCK.** Touch this pad to enter the time of day.
- 14. STOP/RESET.** Touch this pad to stop the oven or reset entries.
- 15. QUICK MIN.** Touch this pad to cook at 100% cook power for 1 minute to 30 minutes.
- 16. START.** Touch this pad to start all entries (except the auto cook and quick min function which start automatically) and to turn Child Lock on or off.

OPERATING SEQUENCE

The following is a description of component functions during oven operation.

1. SETTING THE CLOCK

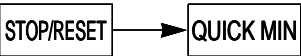


ex.) To set 4:30, touch number key [4],[3], and [0].
NOTE: 1) This is a 12 hour clock.
2) Clock will operate as long as power is applied to the oven.

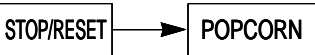
2. CANCEL FUNCTION

Touch the **STOP/RESET** pad whenever you need to cancel an entry or a function currently in use.
The display will return either to the last item entered or to the clock.

3. QUICK MIN

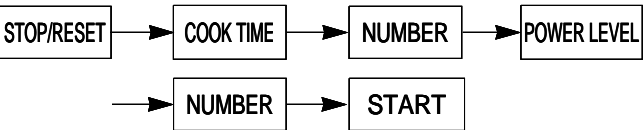


4. AUTO COOKING



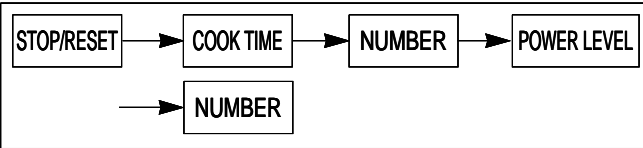
NOTE: Heat only 1 package at a time

5. TIME COOKING

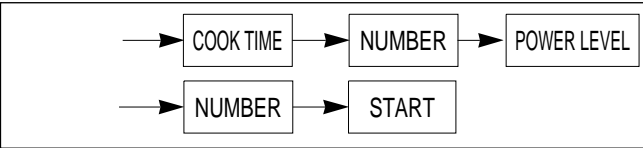


6. MULTI-STAGE COOKING

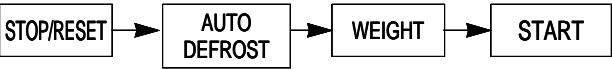
1ST STAGE



2ND STAGE



7. AUTO DEFROST COOKING



8. CHILD LOCK

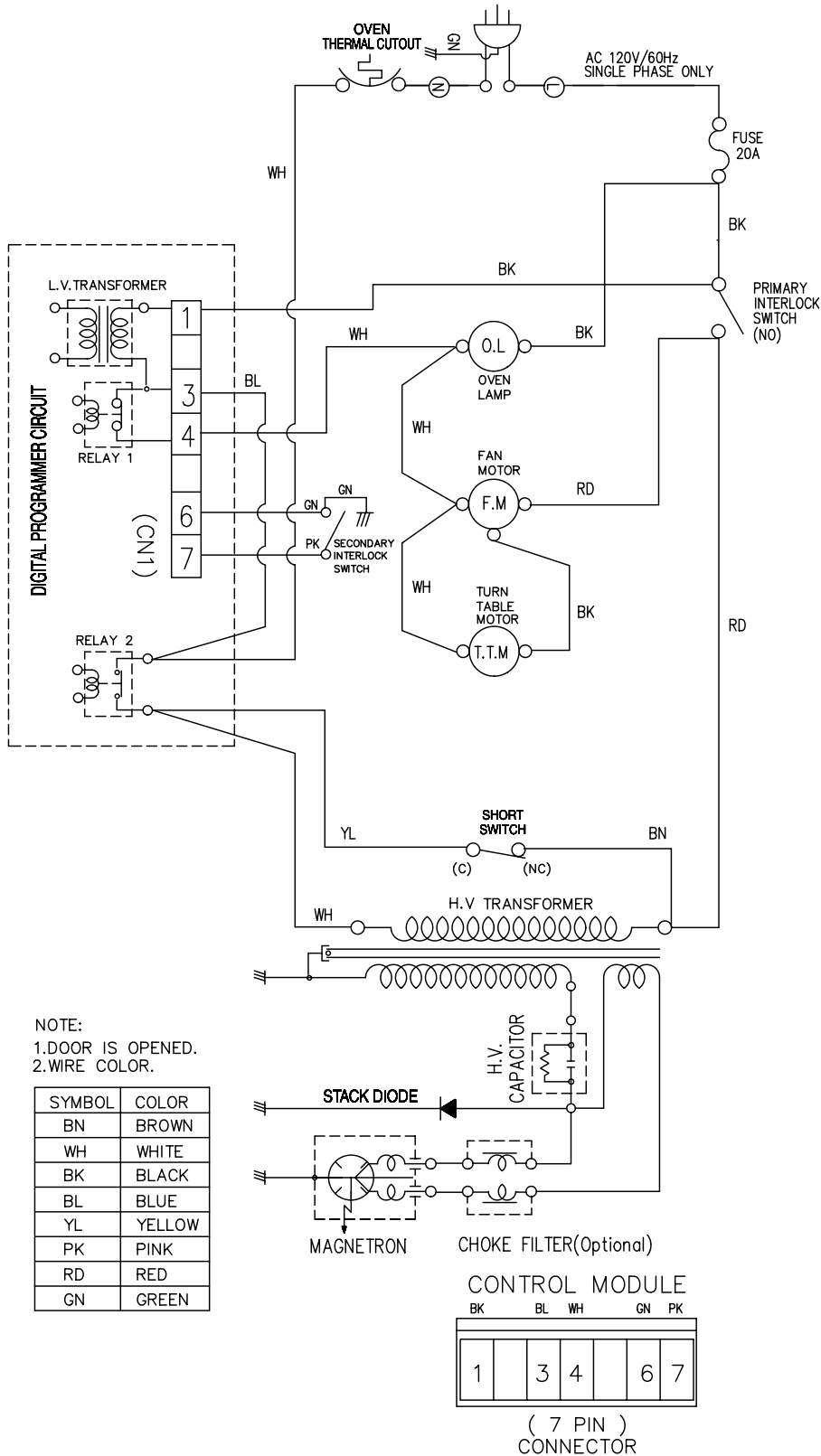
This oven has a CHILD LOCK feature
TO SET CHILD LOCK

- Touch and hold 0 pad —> L appears on the display.

TO CANCEL CHILD LOCK

- Touch and hold 0 pad —> L disappears.

SCHEMATIC DIAGRAM



IMPORTANT SAFETY NOTE: THE SHADED AREAS ON THIS SCHEMATIC DIAGRAM INCORPORATE SPECIAL FEATURES IMPORTANT FOR PROTECTION FROM MICROWAVE RADIATION, FIRE, ELECTRICAL SHOCK, AND HAZARDS. WHEN SERVICING IT IS ESSENTIAL THAT ONLY MANUFACTURER'S SPECIFIED PARTS BE USED FOR THE CRITICAL COMPONENTS IN THE SHADED AREAS OF THE SCHEMATIC DIAGRAM.

NOTICE: SINCE THIS IS BASIC SCHEMATIC DIAGRAM, THE VALUES OF COMPONENTS AND SOME PARTIAL CONNECTIONS ARE SUBJECT TO CHANGE FOR IMPROVEMENT.

CIRCUIT DESCRIPTION

GENERAL DETAILS

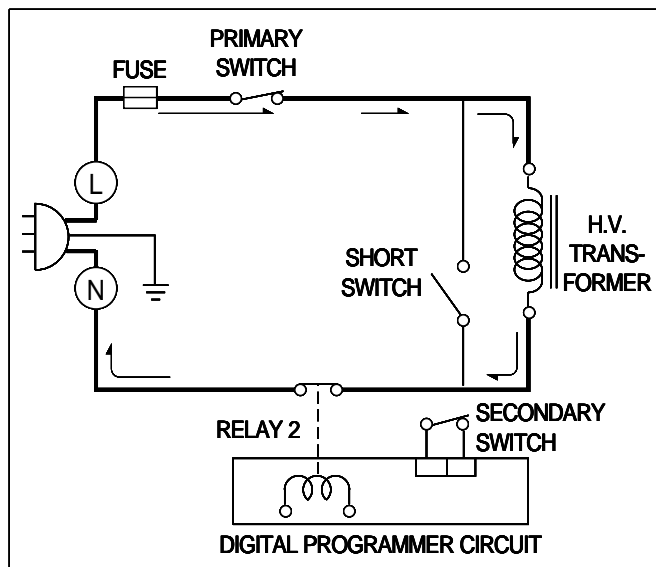
- The low voltage transformer supplies the necessary voltage to the Digital programmer circuit(D.P.C) when power cord is plugged in.
- When the door is closed, the primary switch is ON, the secondary switch is ON, and the short switch opens (contact COM and NO).

WHEN SELECTING COOKING POWER LEVEL AND TIME

- The microprocessor memorizes the function you set.
- The time you set appears in the display window.
- Each indicator light turns on to indicate that the stage has been set.

WHEN TOUCHING THE START PAD

- The coil of the relay is energized by the micom controller.
- Power input is supplied to the high voltage transformer through the fuse to the primary switch and relay 2.
- Turntable rotates.



- The fan motor rotates and cools the magnetron by blowing air (coming from the intake on the base).
- The air is also directed into the oven to exhaust the vapor in the oven through the upper plate.
- Cooking time starts counting down.
- 3.3 volts AC is generated from the filament winding of the high voltage transformer. This 3.3 volts is applied to the magnetron to heat the magnetron filament through two noise-preventing choke coils.

- A high voltage of approximately 2100 volts AC is generated in the secondary of the high voltage transformer which is increased by the action of the high voltage diode and charging of the high voltage capacitor.
- The negative 4,000 Volts DC is applied to the filament of the magnetron.

WHEN THE OVEN IS SET AT ANY LEVEL EXCEPT MAXIMUM.

- The microprocessor controls the ON-OFF time of relay 2 by the applied signal to vary the average output power of microwave oven as POWER LEVEL. (refer to page 1-1)
- One complete cycle of the relay 2 is 22 seconds.

WHEN THE DOOR IS OPENED DURING COOKING

- Both the primary switch and relay 2 cut off the primary winding voltage of the high voltage transformer.
- ON-OFF of relay 2 is coupled electrically with opening and closing of the secondary switch.
- When the door is opened, the secondary switch is opened and when the door is closed, the secondary switch is closed.
- The cooking time stops counting down.
- Relay stops functioning.
- As the door is opened, if the contact of primary switch and relay 2 and/or secondary switch fail to open, the fuse opens due to the large current surge caused by the short switch activation, which, in turn, stops magnetron oscillation.

