

Brief description of the circuit □

Model: 63792 series

Microwave oven connect to the power, when the door is closed, All interlock switch worked, the electronic control system get power. It switch the power inverter work and provide the power to Magnetron, then Magnetron will work and produce 2450MHz microwave to the cavity of microwave oven.

At the same time, Electronic control system will control the 40W inverter, it produce 12V low power provide to cavity lamp, Hood lamp and cooling fan motor, the control PCB switch on/ off them by relay.

Hood fan motor can work by two ways, one is switched on by PCB TRIAC, the speed is adjusted from zero to max speed. The other way is switch on to max speed by the exhaust fan thermostat until the thermostat operate. Normally, there is a cooktop and range under the microwave oven, when the cooktop and range work on, the air temperature around the thermostat will rise to spring the thermostat operate.

For Grill function, when the program switch on the function, the soft-start relay will work but Grill relay does not switch on until the current Halogen Grill element current small enough, then Grill relay will on and soft-start relay will be off. If the quartz heater will work, the program will switch on the Heater relay.

The turntable motor and stirrer motor will work on by switching on the relay by the program.