

[illegible]

Figure S-1. Pictorial Diagram

MWC24 Wire Schematic

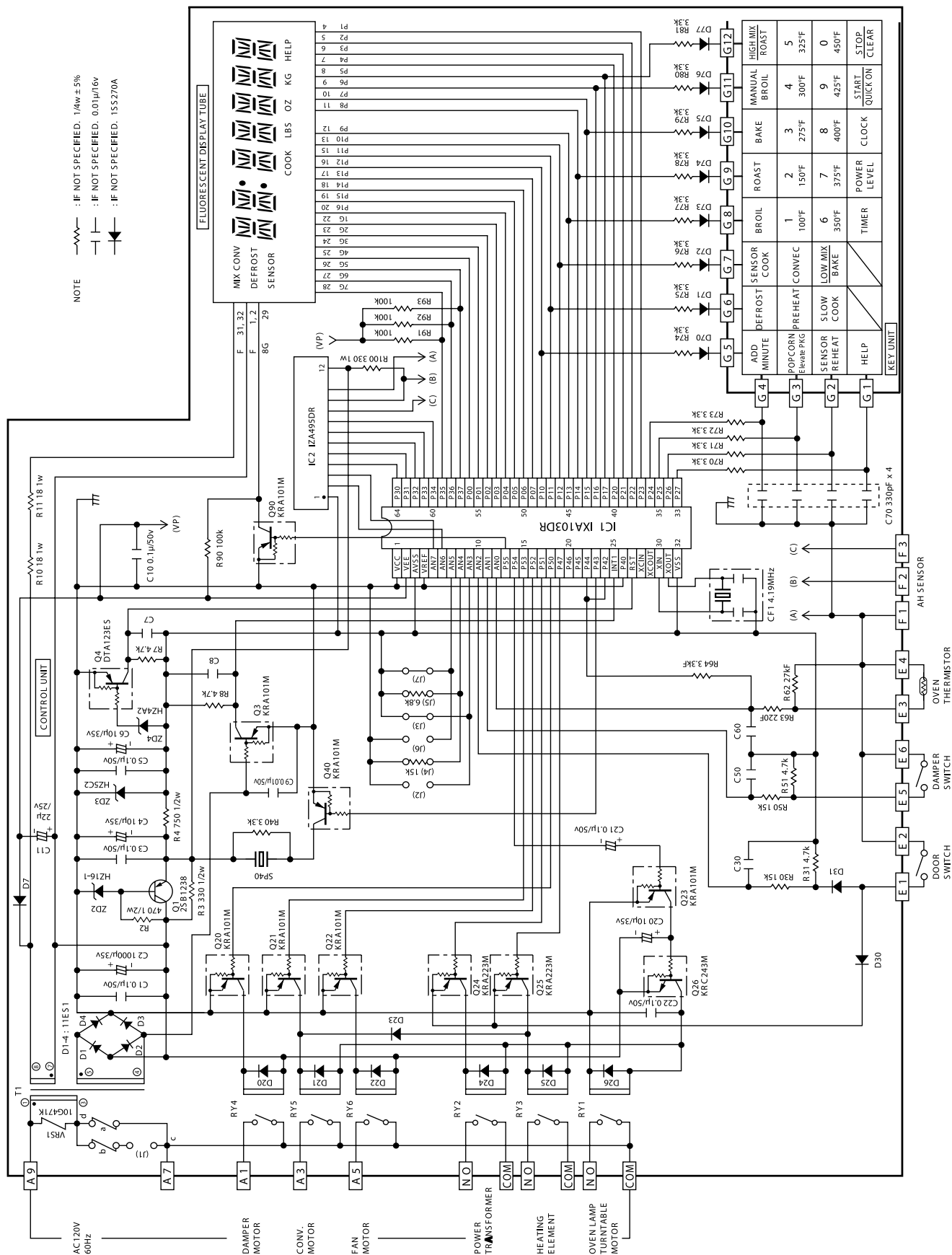


Figure S-2: Control Panel Circuit

The diagram is a detailed electronic schematic for the control panel of a Sharp FA-218DR microwave oven. It shows the internal wiring and component layout. Key components include:

- Control Panel:** Located at the top, featuring a display (DIP) and various control buttons (e.g., 1, 2, 3, 4, 5, 6, 7, 8, 9, 0, *, #).
- Power Transformer:** Located on the left side, with primary and secondary windings connected to the power supply.
- Microcontroller/ICs:** IC1 and IC2 are shown, likely microcontrollers or timing chips, with various pins connected to the control panel and other components.
- Resistors and Capacitors:** Numerous resistors (R1-R11) and capacitors (C1-C10) are distributed throughout the circuit for timing, signal conditioning, and power regulation.
- Diodes:** Diodes D1 through D10 are used for rectification and signal processing.
- Microwave Oven Door:** The bottom section shows the door's internal wiring, including the door switch (D1) and the door lock mechanism.
- Power Connections:** The diagram shows the connection points for the microwave oven's power supply, including the power transformer and the main power line.

The diagram is oriented vertically, with the control panel at the top and the microwave oven door at the bottom. The Sharp logo is visible at the bottom right.

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