

BASIC OPERATIONS, MES 330 DOOR CONTROL BOARD

The MES 330 Door Control Board is a replacement for the M.A.C. Door Control Board 104, as well as for all previous PM/SSC and HPM/SSC three and four board door operator controls.

Troubleshooting and Adjusting Switches

The MES 330 Door Control Board has two small toggle switches on it, the TEST/RUN switch and the O-OFF-C switch. These switches are used to signal door opening or closing from the car top during troubleshooting and adjusting. They are also used to disconnect the door open and close signals, and will deactivate the internal shutdown timer.

Adjusting Door Speed

1. Remove door operator cover, close doors, disconnect power.
 2. Set switches and potentiometers in the following positions:
 - All speed control potentiometers - fully counter-clockwise.
 - CCL potentiometer - fully clockwise.
 - RUN/TEST switch - TEST position
 - C-OFF-O switch - OFF (center) position
 - Jumper J4 - standard position if only one pair of wires is present at TB3. High Performance position if two pairs of wires are present at TB3.
 3. Apply power. Switch O-OFF-C to the O position. LED 6 next to the "PL" potentiometer will light, indicating that the doors are in the PL zone.
 4. Turn the "PL" potentiometer clockwise until the doors begin to open. When the "PL" microswitch is dropped, the "PL" LED will go out, and the "OF" LED will light.
 5. Turn the "OF" potentiometer clockwise until the doors resume opening. When the "OSDL" microswitch is dropped, the "OF" LED will go out, and the "OS" LED will light.
 6. Turn the "OS" potentiometer clockwise until the doors resume opening. When the "OL" microswitch is activated, the "OS" LED will go out. The doors should now be fully open.
 7. Switch O-OFF-C to the "C" position. The "CF" LED should light.
 8. Turn the "CF" potentiometer clockwise until the doors begin to move. When the "CSDL" microswitch is dropped, "CF" LED will go out, and the "CS" LED will light.
 9. Turn the "CS" potentiometer clockwise until the doors resume closing. When the "CL" microswitch is activated, the "CS" LED will go out. The doors should now be closed. Using the O-OFF-C switch, you should now be able to open and close the doors at slow speed.
- Note: When the "TEST/RUN" switch is in the "RUN" position, there is an internal timer that will deactivate the door motor in the event that the doors do not fully open or close within 10 to 15 seconds. LED 7 lights when timeout condition occurs.**
10. Using the appropriate potentiometers, adjust door speeds for desired performance. The LEDs indicate which speed control potentiometer is controlling the door speed.

Note: If the door does not operate smoothly, particularly on slower moving doors, it may help to remove the jumper J3. This eliminates the dynamic braking, and will allow a