



PROTECT FUNCTION

- If overcurrent is applied to the Power Distributor or overheating occurs, the Power Distributor stops the semiconductor relay function of the circuit where the load abnormality is occurring in order to protect the semiconductor relay circuit. The Power Distributor soon restores the semiconductor relay function, but if a load abnormality still continues at this time, the Power Distributor again stops the semiconductor relay function. The Power Distributor continues this ON/OFF operation (protect operation) at a fast cycle until the load abnormality is corrected.
This protect function is applied to all the semiconductor relays except for the rear defogger relay.
- The operating condition (normal or protect condition) of the semiconductor relay can be checked using the output voltage of the mode monitor terminal. When the semiconductor relay is operating normally, the mode monitor terminal outputs about 6 V. When the semiconductor relay operates in protect mode, the mode monitor terminal outputs about 0 V. However, the mode monitor terminal outputs for the overall operating condition of the Power Distributor, so it is not possible to identify an individual semiconductor relay during protect operation.