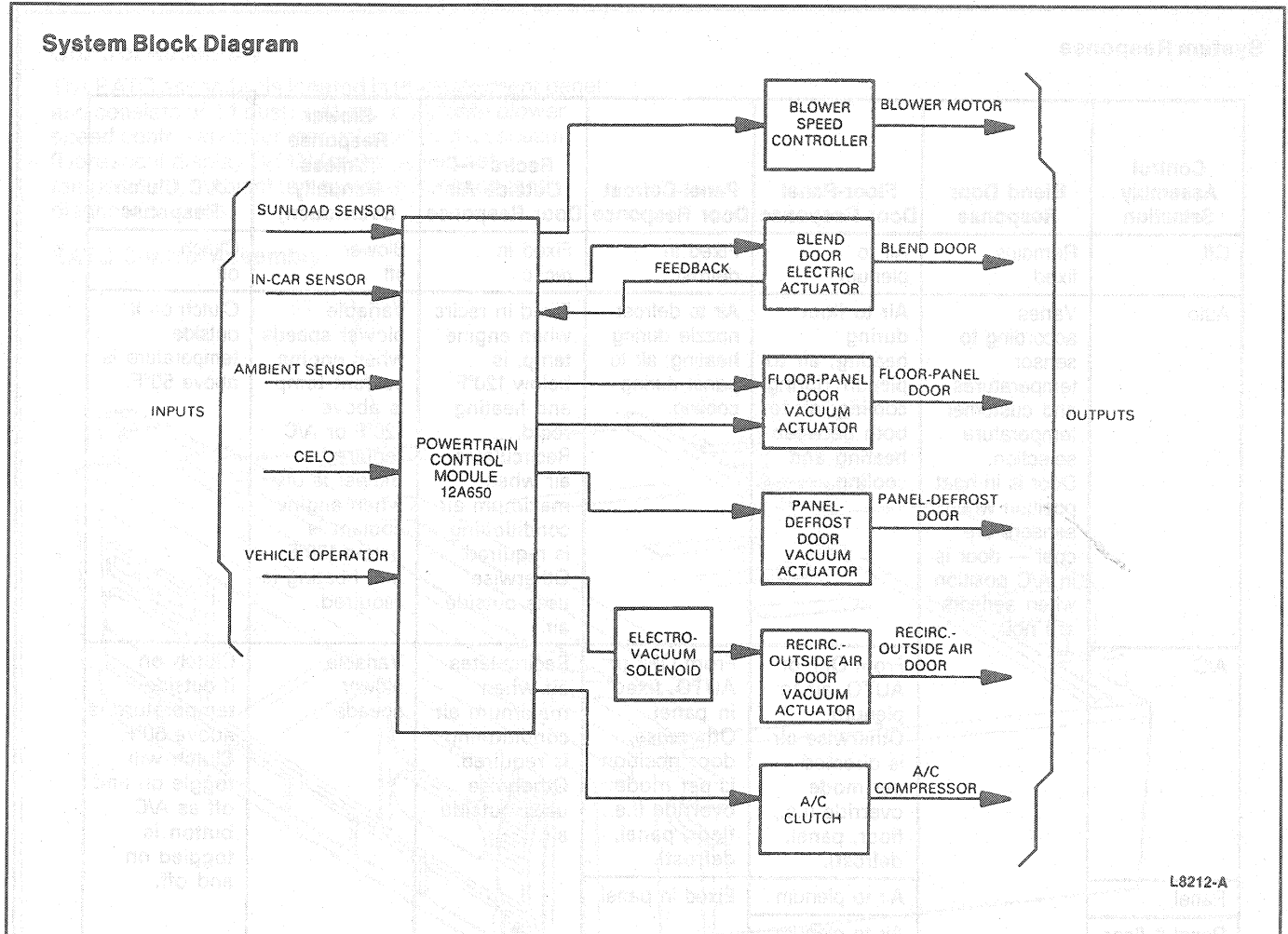


DESCRIPTION AND OPERATION (Continued)



With the use of a microcomputer, the control assembly analyzes inputs from six major sources:

1. Temperature, function, and blower selections (made by the vehicle occupants)
2. In-vehicle temperature
3. Ambient temperature
4. Cold engine lock out (CELO)
5. Sunload sensor
6. A/C system clutch cycling pressure switch

Using these inputs, the microcomputer determines the correct conditions for the following six outputs:

1. A/C compressor clutch engagement
2. Blower speed
3. Blend door position

4. Floor-panel door position
5. Panel-defrost door position
6. Outside-recirc door position

A small DC electric motor or actuator is used to operate the temperature blend door. Vacuum actuators are used to control each of the three remaining air distribution doors. A feedback circuit is used in the blend door actuator to supply the control assembly with blend door position information. The blower motor is controlled by the control assembly through the blower speed controller. The blower speed controller is necessary to react to the low power signal from the control assembly to provide high power signal required to drive the blower. The following system response chart shows the control assembly response to the function selections.