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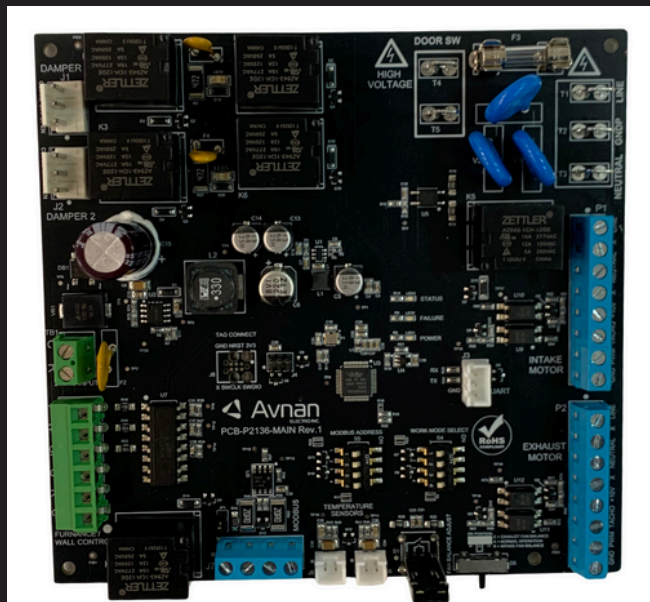
ERV UNIVERSAL CONTROL BOARD

The ERV control module is designed to enhance indoor air quality and energy efficiency in buildings. The main functions and benefits of an ERV system are:

1. **Air Exchange:** The ERV system exchanges stale indoor air with fresh outdoor air by driving supply and exhaust air motors, filtering out pollutants and improving indoor air quality
2. **Heat and Moisture Transfer:** The heat exchanger transfers heat and moisture between the outgoing and incoming air without mixing them, easing the load on the HVAC equipment (thus reducing energy costs). Humidity management prevents issues such as mold growth.
 - **Winter:** It captures warmth from indoor air and transfers it to the colder incoming air.
 - **Summer:** It removes heat from incoming air, cooling it before it enters the building.

APPLICATION

North American ERV/HRV ventilation system for residential or commercial buildings



FEATURES

- Controls supply and exhaust air EC motors of the
- PWM or 0–10V speed control
- Error indication LEDs
- Supply and exhaust air temperature measurements
- Indoor air pressure balancing
- RS–485 MODBUS communication for wall control units
- 2–channel 24VAC damper motor control
- Internal 120VAC/5A fuse