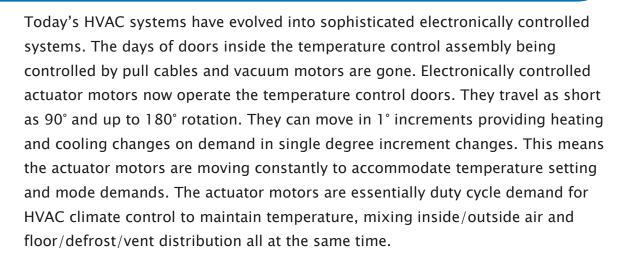
Actuators



The actuators are designed with plastic housings with nylon gears rotated by a small electric motor controlled by a printed circuit board and position potentiometer. These tend to be somewhat fragile. Gear strip and circuit boards burn out, particularly when debris in the duct-ways causes the air doors to stick. Most units are not sealed so they pull in dust that coats the inside and contaminates the lubricant. This results in wear to the motor, gears, and potentiometer contacts.

gpd Actuators Feature:

- Actuator motors are improved by using higher strength nylon gears coated with superior lubricant
- Heavier duty motors and redesigned circuit boards to prevent burnouts.
- All units are direct fit replacements that mount in the existing position without modification.
- All gpd actuator motors are plug and play and do not require any programming.
- The gpd actuator motor design exceeds the design of OEM motors.
- The design has been life cycle tested in excess of 10 thousand hours.
- gpd actuator motors will provide a more durable service life in the HVAC temperature control system.

See gpd Tech Tip #166, "Replacing the Right Actuator?", for a quick reference guide.

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