



A80-WL Series Actuator

Wireless Variable Position Actuator



The A80-WL provides a low cost actuator that can be used with dampers up to 12-inch diameter and 1-inch of static pressure. The actuator uses 24VAC power and is controlled remotely using the handheld Remote Control or the Wireless Thermostat.

Program the actuator to one of 32 zones and one 32 home addresses using the remote or thermostat.

Direct Diffuser/Register Control

The A80-WL can be used with the remote or wireless thermostat to control airflow from the diffuser and eliminate the over-heating and over-cooling found in many businesses. By limiting the airflow to areas that do not need it, the airflow is directed to spaces that need more conditioning and the HVAC system operates less and saves energy.

Wireless Remote Control



The remote allows you to control 32 groups of dampers or zones and up to 32 different home or building addresses. Set the airflow from 0 to 100%. Remote is also used to program the zone and home number for a wireless actuator.

Wireless Thermostat Control



The wireless, battery operated thermostat controls the damper/actuator based on the setpoint temperature, space temperature and the supply air temperature (heating or cooling). The damper is opened or closed proportional to the differential between space and setpoint temperatures and is continually adjusted to keep the space temperature at the setpoint.

The thermostat can also be used to program the actuator zone and home addresses. This thermostat can also be used for wireless zoning.

Adjustable Close Limit

The Close position can be set or limited using the internal cam shown below. Simply loosen the screw and rotate the red cam CW and tighten screw. Minimum close position can be used to insure some airflow even when damper is closed.



Operation	Variable position, wireless control
Torque, Open & Close	80 in-oz (5 in-lbs)
Rotation Angle	90 Degrees
Adjustable Positioning	Damper position is controlled by the remote control or by the wireless, battery operated thermostat.
Operate Time	5 seconds from fully Open to Fully Closed
Noise	Very quiet
Direction of Rotation	CCW to Open, viewed from top of actuator
LED Indicators	Green LED for Open and red LED for Close
Electrical Power	24VAC, 2.8VA Running, 1VA Holding
Mounting	Bosses at both ends for #8 screw.
Damper Shaft	Square shaft, .215x.215-inch
Housing	Molding plastic case. Custom colors available
Electrical Connection	Screw terminals, COM and 24VAC for power. GND, VP and +5V can be used to control additional actuators (A80-VP) in the same zone.
Dimensions	4.64 x 2.41 x 1.30 inches (LWH)
Operating Life	Over 250,000 cycles, tested to over 2M cycles