

Damper Options Summary

		DESCRIPTION	Sensor Locations	Set Point Control Locations
AR27	Zone Pressurization Control Fully Modulating Motorized outside & return air dampers and pressure null switch	Modulates return and outside air damper positions to maintain zone pressure (modulates from zero to 100%) by regulating return and outside air quantities (constant volume air flow with minimum outside air damper position).	Space	Pressure Switch Field Installed in Space - minimum outside air factory set at damper motor (field adjustable)
AR23	Zone Pressurization Control Fully Modulating Motorized outside & return air dampers and pressure null switch	Modulates return and outside air damper positions to maintain zone pressure (modulates from zero to 100%) by regulating return and outside air quantities (constant volume air flow).	Space	Field Installed in Space
AR18	100% Outside Air and 100% Return Air Dampers with Modulating Motor (0-100% Outside Air with Remote Position Adjustment)	Modulating damper motor with outside air damper (and return) positions controlled from the space mounted potentiometer.	N/A	Field Installed in Space or Mixed Air Inlet
AR17	100% Outside Air and 100% Return Air dampers with 2-Position Motor	Motorized outside air dampers are driven 100% opened and return air dampers are driven 100% closed when unit is enabled. If unit is disabled, outside air damper is closed (return air damper opened) by spring return. Field installed time clocks may provide for occupied and unoccupied control sequences.	N/A	Mixed Air Inlet
AR8	100% Motorized Outside Air Damper - 2 position	Motorized outside air damper is opened 100% during unit operation. If unit is disabled, outside air damper is closed by spring return.	N/A	Mixed Air Inlet
AR11	100% Outside and Return Air Dampers (Manual Adjustment)	Provides manual adjustment of return and outside air dampers	N/A	Mixed Air Inlet

General Notes

- Option AR23 or AR27, pressurization control is recommended on Map systems designed for higher CFM/ton requirements or a minimum of 3 stage cooling controls. Hot Gas Bypass is typically recommended.
- Damper linkage may not provide adequate air balance of return and outside air quantities. Compare return duct and outside air inlet hood pressure drops to determine balancing requirements.