

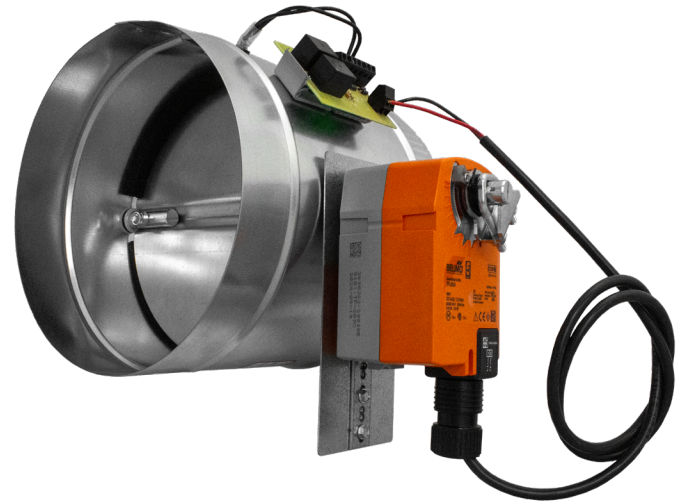


2100-IT
Round Modulating VAV Damper

Application and Design

Office computer server rooms, serviced by a central heating and cooling system, require special considerations to provide maximum cool air and stop heated air to prevent over heating and protect vital business operations.

The Young Regulator model 2100-IT is a self-contained damper with a built-in temperature sensor and relay board. The temperature sensor determines if the unit is delivering heating or cooling. In cooling mode, the damper powers open to supply important cold air to heat sensitive computer equipment. If the built-in sensor determines the unit is delivering heat (greater than 72°F), the relay board automatically springs the damper closed to prevent additional hot air from entering the space to help prevent over-heating. The unit is standalone, so all of this is accomplished without a wall thermostat.



STANDARD CONSTRUCTION (TO 4" W.C.)

Shell	4"Ø - 8"Ø	24 ga. Galvanized Steel
	10"Ø - 20"Ø	20 ga. Galvanized Steel
Blade	20 ga. Galvanized Steel "V" Blade	
Shaft	½" Zinc Plated Steel	
Blade Bushings	Synthetic	

SIZE INFORMATION

One end straight, one end crimped
Rolled stiffening beads

Diameter	4"Ø-20"Ø
Shell Length	8"

BELIMO TF24 ACTUATOR

Actuator Drive Open / Spring Close
DC Brushless Motor

Volts	24V
Watts	2.5W Running, 1.3W Holding
VA	5VA
Timing	< 75 Drive, < 25 Spring Return
Torque	18 in.oz.

ACCESSORIES

Transformer (YR Model 3035) 

Quantity	Option	Notes

PROJECT	LOCATION
CONTRACTOR	DESIGN SPECIFIER