



Young Regulator Co.

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Submit 2100IT 7-2014

Model 2100 IT

*Round Automatic Changeover Damper
Power Open/Spring Close Operation
with Belimo TF Motor*

Application and Design

Office computer server room, 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 stand alone, so all this is accomplished without a wall thermostat.



STANDARD CONSTRUCTION	
Shell	4" - 8" - 24 ga. Galvanized Steel 10" - 14" - 20 ga. Galvanized Steel 16" - 20" Spiral Steel construction
Blade	20 ga. Galvanized Steel
Shaft	1/2" Plated Steel
Bushing	Oil Impregnated Bronze
Low-Leak Seals	

SIZE INFORMATION	
One end straight, one end crimped. Rolled stiffening beads.	
Diameter	4" - 20"
Shell Length	8"

ACTUATOR DRIVE OPEN/SPRING CLOSE BELIMO TF24 DC Brushless Motors	
Volts	24V
Watts	2.5 Running, 1.3 Holding
VA	5
Timing	<75 Drive, <25 Spring Return
Torque	18 in. lb.

OPTIONS	
Transformers	For drone, use model RDTF
Low Leak Seals	Thermostats

QUANTITY	DIAMETER	NOTES
PROJECT	LOCATION	
CONTRACTOR	DESIGN SPECIFIER	