



Young Regulator Co.

7100 Krick Rd • Walton Hills, OH 44146
 P: 440-232-9700 • F: 440-232-8266
www.youngregulator.com

Submit 4075 – 1-10

Model 4075

*Motorized Damper
 Modulating VAV Damper*

Application and Design

The Young Regulator Model 4075 regulates the flow of air by modulating control. They are equipped with a direct-coupled 7-minute actuator that operates in response to an electric control signal. When used with a single pole / double throw / center off thermostat (YR part # T-312, or T-641) available separately, the damper will provide modulating zone temperature control in residential and light commercial zoning applications.

For P+I control see Model 4075-H90.



STANDARD CONSTRUCTION	
Shell	6" – 10" – 24 ga. 12" – 20" – 20 ga. Galvanized Steel
Blade	20 ga. Galvanized Steel
Shaft	½" Plated Steel
Bushing	Oil Impregnated Bronze
Low Leak Seals	EPDM Rubber

SIZE INFORMATION	
One end straight, one end crimped Rolled stiffening beads NOTE: Dampers greater than 14" diameter will be a spiral shell	
Diameter	4" – 20"
Shell Length	8"

HONEYWELL ML6161 ACTUATOR	
Non-spring return direct-coupled actuators. Floating actuators used with single pole / double throw (SPDT) thermostats.	
Volts	24V
Watts	2.0
VA	2.2
Amp	0.085
Timing	7 min. standard
Torque	35 in. lb.

BUILT IN MOTOR STOP FOR MINIMUM AND MAXIMUM AIR	
OPTIONS	
Transformers	T-312 Thermostat
90 Sec. Motor	T-641 Thermostat

QUANTITY	DIAMETER	NOTES

PROJECT	LOCATION
CONTRACTOR	DESIGN SPECIFIER