



Young Regulator Co.

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Submit 4075 – 1-10

Model 4075-H90

*Motorized Damper
 Modulating VAV Damper w/ 90 Second Motor*

Application and Design

The Young Regulator Model 4075-H90 regulates the flow of air by modulating control. They are equipped with a direct-coupled 90-second actuator that operates in response to an electric control signal. The damper will provide modulating zone temperature control in residential and light commercial zoning applications, in heat only or cool only applications when used with a proportional and integral (P+I) thermostat like the Young Regulator models T-422 and T-322-JS.

Optional duct sensor (S-422 and S-322), wired to the thermostats, provide automatic changeover in heating and cooling applications.



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) proportional and integral thermostats.	
Volts	24V
Watts	2.0
VA	2.2
Amp	0.085
Timing	90 seconds
Torque	35 in. lb.

BUILT IN MOTOR STOP FOR MINIMUM AND MAXIMUM AIR	
OPTIONS	
Transformers Pt# 3035	
T-322-JS Digital Display P+I Thermostat and S-322 Changeover Sensor	T-422 P+I Thermostat and S-422 Changeover Sensor

QUANTITY	DIAMETER	NOTES

PROJECT	LOCATION
CONTRACTOR	DESIGN SPECIFIER