DRAFT CONTROL ACTUATOR
Model JC-22-PL2-1006

Introduction

The Preferred Instruments JC-22-PL2-1006 is a linear actuator with an integral microprocessor-based draft controller and a solid state draft range pressure sensor.

The JC-22-PL2-1006 is housed in a durable metal enclosure with a removable cover.

The JC-22-PL2-1006 is a direct replacement for the Hays Cleveland CDR model # 9502-1012-B-8.

The JC-22-PL2-1006 provides automatic modulation for any negative or positive draft application.

Specifications
Weight & Dimension: 21 lbs. 17.5” L x 7.5” W x 5.9” H
Power Requirements: 120 VAC, 50/60Hz, 360 VA
Motor: 72 RPM synchronous motor
Sample Connection: ¼” NPT female fitting
Ambient Temp Range: 0 to 140F (-18 to 60C)

Application
Travel: 6 inch linear, 60 sec. stroke
Thrust: 150 lbs
User Auxiliary Switch: Damper Fully Open, 16A, 250VAC
Set Point: Adjustable, 0 to +2.0” w.c, or 0 to -2.0” w.c. (field selectable)
Dampening: Adjustable, 1.5 to 15 seconds for 90% response to a step change
Dead Band: Adjustable, 0.01 to 0.08” w.c.
Proportional Band: Adjustable, 0.03 to 0.2” w.c. (deviation from set point required to run at full speed)

Operation

Offers a 6-inch range of travel with a 60-second nominal stroke time. The JC-22-PL2-1006's thrust range is rated at 150 lbs with a cool-running 72 RPM synchronous motor.

The actuator is self locking in the “last” position if there is a power loss.

Preferred’s JC-22-PL2-1006 interfaces with your burner management system:

The JC-22-PL2-1006 is a sequencing draft controller.

Includes burner management interfacing relays for automated open damper during purge, and closed damper after shutdown.

Includes an automatic/ open selector switch. This allows the user to blow soot without interrupting the burner firing and allows the burner to fire in the “open” damper mode under emergency conditions.