

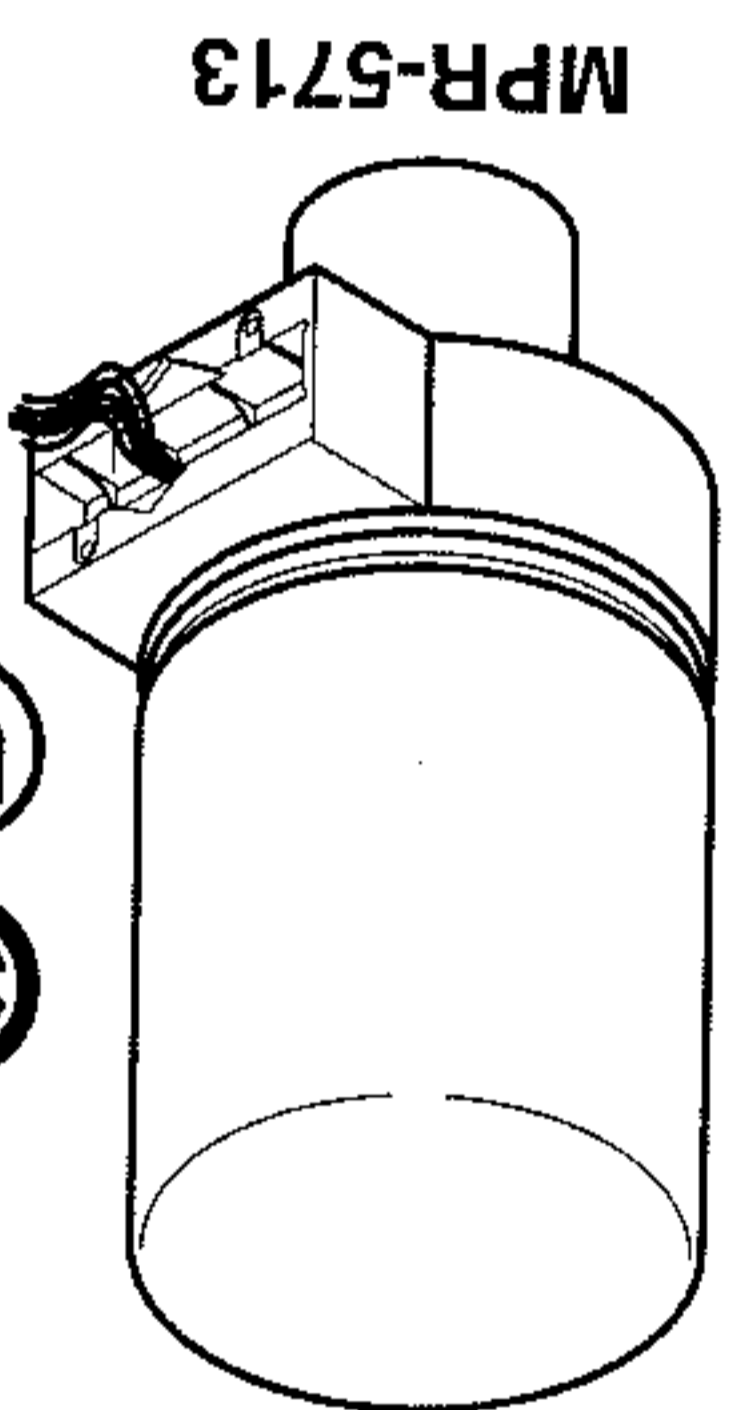
MPR-5713

Proportional Actuators

The MPR-5713 actuator provides electronic proportional control of dampers and valves which require a return to the normal position upon power interruption. The actuator is compatible with 135 ohm slidewire controllers (Series 90).

Features:

- Spring return.
- Available in damper models or base models that require damper or valve linkage.
- Die cast lower housing with 1/2 in. conduit opening and painted steel upper housing.
- Hydraulic actuator with oil-immersed motor, transducer, and pump.
- Proportional actuators controlled by a controller with a 135 ohm slidewire output.



Model Chart

Model No.	Actuator Power Input		Timing in Seconds at 72°F (22°C)		Required Linkages (Applications)		
	50/60 Hz	AC Voltage (±10%)	No Load Stroke		Retract on	Damper ^a	
MPR-5713	10	Watts	18	60	30	15	AV-7600-1 or AV-600 AV-601 ^b
	24						AM-601

^a The MPR-5713 actuator basic model may be equipped for damper applications with the installation of an AM-601 linkage.

^b May be required for steam and hot water. Refer to "Valve" section in this catalog.

Specifications

Actuator inputs	MPR-5713: Three-wire 135 Ω slidewire. Refer to Model Chart.
Power input	Color-coded 4 ft. (1.2 m) leads.
Connections	
Actuator outputs	
Electrical	Position signals: Internal feedback circuitry provides positive positioning of the damper in relation to the controller signal. Stroke Valve: Approximately 9/16 in. (14 mm) from fully retracted to fully extended. Output torque rating: The proportional output torque rating of 15 lb-in. (1.7 N-m) is available throughout the entire stroke and is based on the lowest force available under normal operation spring return stroke, or at a minimum (-10%) supply voltage.
Environment	Shipping and storage: -40 to 140°F (-40 to 60°C).
Humidity	5 to 95% RH, non-condensing.
Location	NEMA Type 1.
Dimensions	6-3/4 H x 3-1/4 dia in. (171 x 83 mm).
Agency Listings	UL 873
CUL	Underwriters Laboratories File E9429 Category Temperature-Indicating and Regulating Equipment
European Community	Certified for use in Canada by Underwriters Laboratories. Canadian Standard C22.2 No. 24-93 EMN Directive (89/336/EEC). Low Voltage Directive (72/23/EEC).
General Instructions	Refer to F-23576.