EA81 Proportiona Hydraulic Linear

- DCmA or slidewire inputs
- Spring return on power interruption
- 120Vac, 50/60Hz operation
- 150lbs force, linear stroke
- Compatible with VB series valves

Eurotherm



Actuator
Specification Sheet

The Model EA81 is a hydraulic valve actuator with a linear stroke for proportional control of small valves that require return to normal position on power interruption. The permanently sealed oil-filled case contains a moveable hydraulic system. The electric pump/motor, powered continuously by the input supply voltage, generates fluid pressure opposed by the spring of the damper or valve linkage. The EA81 is available in two models, a 4-20mAdc input and a 1350hm slidewire input. The control signal is compared to measured shaft position in the actuator controller circuit and the output generates proportional positioning of the valve shaft. The unit supplies a force of 150 pounds for a linear stroke and operates on 120Vac, 50/60Hz. The linkage kit and extension, model AV-611, provides linkage to 1/2" to 1-1/4" valve sizes.

The EA81 is compatible with the VB-7000 valves in this catalog.

Specifications

Connections: Color-coded leads, 4ft (1.2m)

pigtail leads

Stroke: Approx. 9/16" (14.3mm) over

normal input,

Valve compatibility: 60 sec. extend, 30 sec. retract 1/2" to 1-1/4" valve bodies

To normal position 15 sec. Spring return: -20 to 140°F (-29 to 60°C) Ambient Temperature: Humidity: 5 to 95% RH, non-condensing

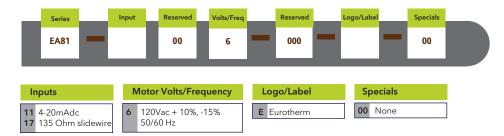
Locations: NEMA 1, indoor only Mounting: Any upright position with actuator above the centerline of the valve body. For stream applications, above body at 45°

from vertical.

Dimensions: 6-3/4" H x 3-1/4" diameter

(171x83mm) Case: Metal

Ordering codes



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