

UTILITY ACTUATION



RELIABLE MOTION CONTROL FOR DEMANDING MISSIONS

Kearfott utility actuation systems provide dependable electromechanical motion control for aerospace and defense applications. Built for operation in demanding environments, they support precise positioning and responsive control across a range of platform requirements.



LINEAR



VALVE



CARGO DOOR



CARGO ROLLER



NEW APU DOOR
ACTUATOR

Benefits

- Zero Maintenance
- Environmentally Sealed
- In-House Rapid Prototyping
- Many Interface & Feedback Options
- Weight-Optimized Solutions Available

Designed for Demanding Applications

Kearfott brings actuation, motor, electronics, and position-sensing capabilities together to support integrated motion control solutions. Systems can be tailored to application requirements, helping simplify integration and support reliable operation throughout the mission.



Military and Civil
Aerospace Applications

**85% EFFICIENCY
TYPICAL
FOR MANY
APPLICATIONS**

Rotary and Linear Actuators for
Electric Utility Applications



UTILITY ACTUATION

Typical Utility Actuator Family Characteristics

Output Force	10-10K+ lbs
Torque	10-10K+ in-lb
Speed	200°/s
Voltage	28-270+ VDC
Current	Configurable Depending on Application
Available Features	Failsafe Brake, EM & Overload Slip Clutches
Operating Temperature Range	-55 to 70°C (-67 to 158°F)
Frequency Responses	10+ Hz
Standard Accuracy	+0.01 in
Command Interface (closed-loop position/rate)	Serial (RS485), Analog
Feedback Options	Resolver, VDT, Potentiometer

FEATURED PRODUCT



APU DOOR ACTUATOR

Kearfott's APU door actuator provides reliable, precise electromechanical control of auxiliary power unit access doors in demanding aerospace environments.

Typical APU Door Actuator Characteristics

Size	38.1 X 16.3 X 5 cm (15 x 6.4 x 5.9 in)
Weight	<9.92 lbs
Power Input	28 VDC
Interface	Glenair 801 Series 10 Pin Connector
Nominal Operating Voltage	28 VDC
No-Load Speed	0.17 in/sec
Speed at 30 lb	0.14 in/sec
Holding Load	495 lbs
Position Feedback Accuracy	+/- 0.0873 in (RVDT)
Operating Temp. Range	-55 to 55°C (-67 to 131°F)
Stroke Length	8.51 in
Feedback Options	Resolver, VDT, Potentiometer

ON COURSE. ON TARGET. ON POINT.

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