REMA & RMCU SYSTEM FOR UAV APPLICATIONS

REMA-2.0

RMCU-28

Moog proudly introduces a family of low cost, compact, and lightweight Rotary Electro-Mechanical Actuation (REMA) systems. Each system consists of a REMA paired with a Remote Motor Control Unit (RMCU) executing embedded flight software. Moog is the industry leader in high performance primary flight control solutions, offering unique capabilities in aerospace standard qualifications and in-house, high-volume production. Our electro-mechanical systems are flying successfully on multiple military and commercial aircraft platforms.

Moog continues to innovate with a new series of 2.0" and 2.5" REMA systems incorporating state-of-the-art manufacturing techniques. These systems are ideal for UAV applications requiring small SWaP-C solutions. Direct hinge line mounting capability eliminates the need for bell cranks typically associated with linear actuation. These REMA systems are easy to integrate and can be distributed throughout the airframe and used for primary or secondary flight surfaces, door drive systems and a variety of utility functions. Each REMA and RMCU is tested to MIL-STD requirements and environments to meet aviation market needs.
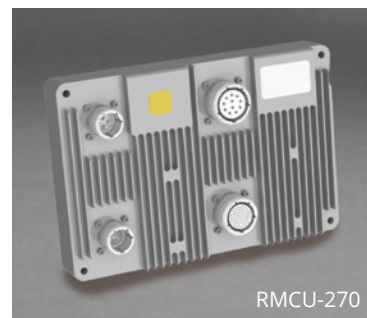

RMCU-270

REMA-2.5

KEY CONTROLLER FEATURES

• 28vdc and 270vdc controller options
• RS-485 half & full duplex capable
• Highly configurable I/O options
• System performance monitoring w/ fault isolation
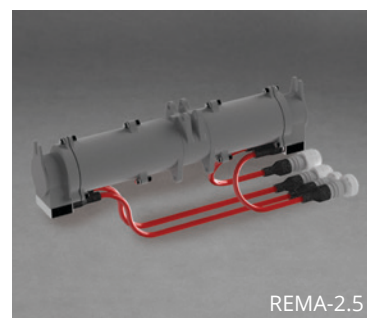• Simplex or duplex architectures supported

KEY ACTUATOR FEATURES

• 2.0" And 2.5" Diameter actuator options
• Brushless DC motors
• 0.5 To 1 HP shaft output power delivered
• Multiple gear ratios available to match load/speed requirements
• Integrated encoders for surface position and motor commutation
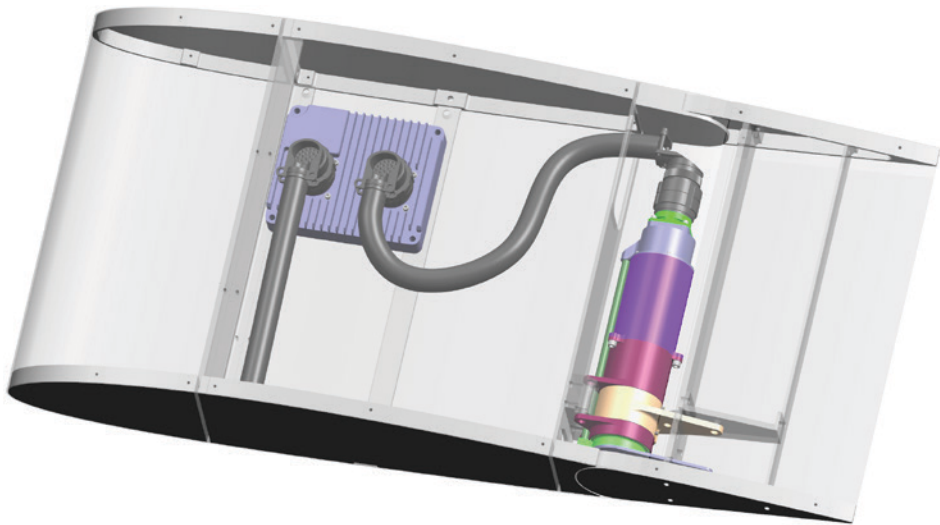• Single or dual channel operation

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REMA & RMCU

SPECIFICATIONS		
	28V	**270V**
Controller Envelopes	5.0" x 4.0" x 0.95"	6.0" x 9.0" x 1.5"
Controller Weights	<1.1 lb	<5 lb
Actuator Envelopes	2.0" x 9.0"	2.5" x 14.5"
Actuator Weights	<3.8 lb	<10 lb

MOOG

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