

Generator Control Units

G.C.U. Model Series: 501



Typical Installations:

- SIKORSKY: S76 SERIES

Functions:	Max. Envelope Dimensions & Max Weight:								
<ul style="list-style-type: none"> • Voltage Regulation • Line Contactor Control • Reverse Current Protection • Overload Protection • Over/Under Voltage Protection • Anticycle Control • Remote Electrical Reset • Remote Trip • Self Test 	<p>Series: 501</p> <table border="1"> <tr> <td>L:</td> <td>4.28 in.</td> </tr> <tr> <td>W:</td> <td>3.39 in.</td> </tr> <tr> <td>H:</td> <td>4.01 in.</td> </tr> <tr> <td>WT:</td> <td>1.6 lbs</td> </tr> </table>	L:	4.28 in.	W:	3.39 in.	H:	4.01 in.	WT:	1.6 lbs
L:	4.28 in.								
W:	3.39 in.								
H:	4.01 in.								
WT:	1.6 lbs								

G.C.U. Model Series: 502, 503, 503-4A



Typical Installations:

- DEHAVILLAND: DASH 7 APU
- BELL: 206L AUX. SYSTEM
- SCHWEIZER: 330T
- DORNIER: DO-228
- MYASISHCHEV: M101T
- U.S. ARMY: "LITTLE BIRD" HELI
- ORTHROP GRUMMAN: UAV
- PIPER MALIBU CONVERSION
- AERO VODOCHODY: AE270

- BELL: 206NTH
- PZL: SW3
- JAG: 255
- PAC: CRESCO 750

Functions:	Max. Envelope Dimensions & Max Weight:								
<ul style="list-style-type: none"> • Voltage Regulation • Generator Current Limit • Line Contactor Control • Automatic Paralleling Control • Reverse Current Protection • Overvoltage Protection • Overexcitation Protection • Remote Electrical Reset • Remote Trip • Self Test 	<p>Series: 502, 503, 503-4A</p> <table border="1"> <tr> <td>L:</td> <td>4.28 in.</td> </tr> <tr> <td>W:</td> <td>3.39 in.</td> </tr> <tr> <td>H:</td> <td>4.03 in.</td> </tr> <tr> <td>WT:</td> <td>1.6 lbs</td> </tr> </table>	L:	4.28 in.	W:	3.39 in.	H:	4.03 in.	WT:	1.6 lbs
L:	4.28 in.								
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G.C.U. Model Series: 504



Typical Installations:

- FAIRCHILD: METRO II, III, IV, V
- MARSH AVIATION: S2 TRACKER, OV10A
- GENERAL ATOMICS: PREDATOR-B/UAV
- HARBIN: Y12

Functions:	Max. Envelope Dimensions & Max Weight:

- Overvoltage Protection
- Overexcitation Protection
- Ground Fault Protection
- Remote Electrical Reset
- Remote Trip
- Self Test

G.C.U. Model Series: 505-16B, 505-12B, 505-28-1



Typical Installations:

- BOMBARDIER: LEARJET-60 & APU, CL-415, CL215T
- AGUSTA: A109 SERIES, A109 POWER, A119, KOALA
- BELL: 412 AUX SYSTEM
- DEHAVILLAND: DASH 7 AGES APU
- NAL: SARAS
- AERMACCHI: S211 TRAINER
- DC-3 TURBINE CONVERSION

Functions:

- Voltage Regulation
- Generator Current Limit

Max. Envelope Dimensions & Max Weight:

Series: 505-16B

L: 5.65 in.

<ul style="list-style-type: none"> • Reverse Current Protection • Overvoltage Protection • Overexcitation Protection • Ground Fault Protection • Overload Protection • Remote Electrical Reset • Remote Trip • Self Test 	Series: 505-28-1	
	L:	5.65 in.
	W:	3.77 in.
	H:	4.75 in.
	WT:	2.8 lbs

APC's family of Generator Control Units incorporates the control and 28V DC protective functions required for a single of multiengine aircraft 28V DC starting/generating system.

The Control Units are completely self-contained, compact and lightweight and have been designed to operate with APC's 28V DC Starter-Generators and other compatible machines designed to the requirements of MIL-G-6162.

FEATURES:

- Operating Temperature Range: -55°C to +71°C
- Operating Altitude: up to 70,000 feet

MAJOR CUSTOMERS:

- Eurocopter
- Schweizer
- Honeywell