



Technical Data Sheet

B-00403-1	14V SINGLE ENGINE ALTERNATOR CONTROL
Duty Regulated Voltage Voltage Factory Set To Voltage Adjust Range Load Current Regulation Over-Voltage Trip Point Over-Voltage Delay Weight Dimensions	Continuous 14V Nominal 14.0V 12.0V – 16.0V 4A Max. 0.5V No Load to Full Load 16.0V +0.5V/-0.2V 50 microseconds from time an overvoltage is impressed on the bus until the overvoltage relay opens. 0.6lb. Max. 2.8"L x 5.6"W x 2.6"H
PINOUT	FUNCTION
Pin A Pin B Pin C Pin D	Battery Output, Field terminal of alternator Ground Trip out Indicator
OPERATION NOTES	DESCRIPTION
Note 1: Note 2: Note 3: Note 4: Note 5: Note 6: Note 7: Note 8:	This unit delivers a (PWM) pulse width modulated field control output as required to maintain alternator output voltage. Overvoltage protection is incorporated which latches off regulator output after an overvoltage event. This unit is self protected against damage due to output (field) circuit being shorted to ground. A short will latch output off until reset. Reset of latch off caused by either over-voltage or shorted output is accomplished by momentary turn off of supply voltage. Pulse rise and fall times are slowed to be more than 50 microseconds. Operating Caution: When used with an operating alternator, do not bypass bus to field (Pin A to Pin B) as a means of checking the alternator or the over-voltage protection action. This unit is protected from internal damage by a ground short on Pin D. This results in a minimum of about 1.7V output on Pin D. Open circuit normal output voltage on Pin D is much higher. This indicator circuit is intended for operation into an incandescent bulb or an equivalent low resistance. Dimensions are for reference only.
PART NUMBER	AIRCRAFT ELIGIBILITY
B-00403-1 35-380093-3 880016-501	Hawker Beechcraft E33, E33A, E33C, F33, F33A, F33C, G33, 35-33, 35-A33, 35-B33, 35-C33, 35-C33A, H35, J35, K35, M35, N35, P35, S35, V35, V35A, V35B, 36, A36, A36TC, B36TC, Mooney M20, M20A, M20B, M20C, M20D, M20E, M20F, M20G, M20J, M20K, M20L, M20M, M20R, M20S, M20TN

NOTE: Installer must cross-check eligibility with applicable technical data.