



Technical Data Sheet

B-00387-1	28V SINGLE ENGINE ALTERNATOR CONTROL
Duty Voltage Factory Set To Voltage Adjust Range Load Current Over-Voltage Trip Point Over-Voltage Delay Weight Dimensions	Continuous PWM 28.5V 26.7V – 29.0V 5A Max. 32.0V 1.0V over calibration, 0.8 seconds ±15% 5.0V over calibration, 0.29 seconds ±15% 0.6lb. Max. 23/4"L x 55/8"W x 25/8"H
PINOUT	FUNCTION
MS3102A18-1P Connector Pin A Pin B Pin C Pin D Pin E Pin F Pin G Pin H Pin I Pin J Case	Mates with MS3202A18-1S Battery Alternator Field Ground N/C N/C Regulator Sense N/C N/C N/C N/C N/C Grounded
OPERATION NOTES	DESCRIPTION
Note 1: Note 2: Note 3: Note 4: Note 5:	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 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. 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.
PART NUMBER	AIRCRAFT ELIGIBILITY
B-00387-1 36-380096-1	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, D55, D55A, E55, E55A, 56TC, A56TC, 58, 58A, 58P, 58PA, 58TC, 58TCA, G58, 95, B95, B95A, D95A, E95, 95-55, 95-A55, 95-B55, 95-B55A, 95-B55B (T-42), 95-C55, 95-C55A

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

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