



acdc electronics

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DATA INCLUDES:

Specifications
Outline and Mounting
Connection Chart
Parts List
Schematics

CASE A MODELS

ECV5N3-1
ECV12N1.7
ECV15N1.5
ECV24N1.2

A

SPECIFICATIONS-ECV SERIES, CASE A, SINGLE OUTPUT

AC INPUT: 100/117/220/230/240 VAC, 47-440Hz (Derate 10% for 50Hz operation)

FUSING: See chart for recommended external fusing

DC OUTPUTS: See chart

LINE REGULATION: $\pm 0.05\%$ for $\pm 10\%$ line change

LOAD REGULATION: $\pm 0.05\%$ for 50% load change

OUTPUT RIPPLE: 3mV Pk-Pk typical, 2mV RMS

TRANSIENT RESPONSE: 30usec for 50% load change

OVERLOAD AND SHORT CIRCUIT PROTECTION: Current limiting and foldback. Recovery automatic.

*OVERVOLTAGE PROTECTION: Fixed on all 5 volt units at 6.2 ± 0.4 volts

TEMPERATURE RATING: Full rating, 0-50°C in free air. Derate linearly to 40% at 70°C.

TEMPERATURE COEFFICIENT: 0.02%/°C max.

REMOTE SENSING: Not available

VIBRATION: Per Mil-Std-810C, method 514.2, proc. X, curve AW (to 50Hz)

SHOCK: Per Mil-Std-810B, method 516, proc. V.

*Overvoltage protection modules available for 12, 15 and 24V models.

MODEL	RATING
ECV5N3-1	5V, 3A
ECV12N1.7	12V, 1.7A
ECV15N1.5	15V, 1.5A
ECV24N1.2	24V, 1.2A

AC CONNECTIONS AND FUSING			
INPUT VOLTS	CONNECT	POWER TO	FUSE
100	1-2,3-4	1,5	1A
117	1-2,3-4	1,4	1A
220	2-3	1,5	1/2A
230/240	2-3	1,4	1/2A

WARRANTY

When used within specified operating conditions, every catalog listed ECV/ETV Power Supply is warranted to be free from defects in materials and workmanship for a period of 2 years. This warranty shall not apply to any product or parts which have been subjected to misuse, accident or abnormal conditions of operation. This warranty covers all parts of the module, including semiconductors and capacitors. All terms of the guarantee are fully transferable when the power supply is sold as original equipment. If at any time the power supply is in need of warranty service, the purchaser should promptly notify ACDC or its authorized representative describing the conditions. The method and place of warranty service will be specified by ACDC at its sole discretion. Authorized returns for warranty service should be forwarded to the specified service location freight prepaid, where, without charge, the unit will be repaired. The sole obligation of ACDC and purchaser's exclusive remedy under this or any other warranty, expressed or implied, is the repair or replacement of defective modules as provided above. ACDC shall not be responsible for incidental or consequential damage, whether or not foreseeable, caused by defects in the power supply. In warranty units requiring calibration or mechanical damage repair will be charged.



