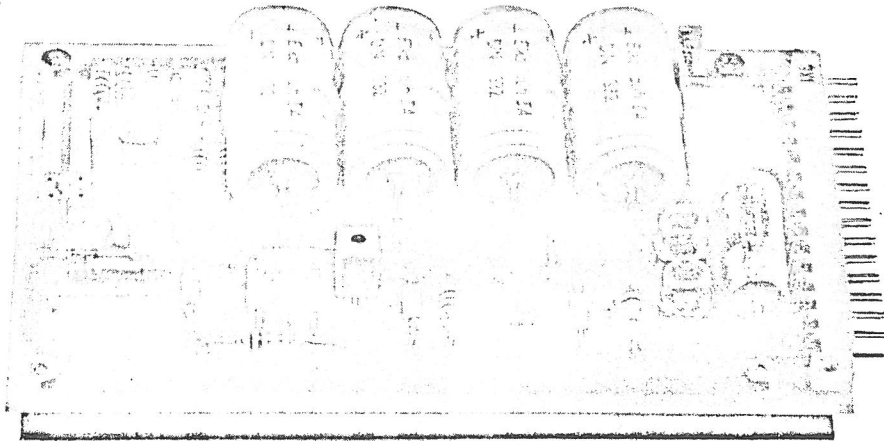




n.v. delta elektronika

nieuwe boogerdstraat 2 zierikzee holland telefoon (01110) 2734



REGULATED POWER SUPPLY C 12-2

4-12 V, 2 A

Output voltage

Model C 12-2 is intended to be used as a power supply with a fixed output voltage between 4 V and 12 V DC.

Voltage adjustment

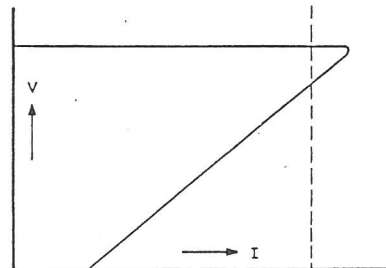
The output voltage is continuously adjustable between 4 and 12 V with a 20 turn wire wound potentiometer. However, to keep the dissipation low, the required AC input voltage is divided in certain ranges.

Output current

2 Ampere maximum.

Current limit

On overload the current falls to a safe value. The output voltage returns on removal of the overload condition.



Voltage regulation

5 mV for a + or - 10 % AC input voltage variation
10 mV for a maximum load variation.

Temp. coefficient

0.05 % per °C maximum.

Ripple

0.2 mV rms, 1 mV p-p.

Output impedance

Maximum 100 milli-ohms for load variations up to 100 kHz.

Recovery time

10 micro-seconds for recovery to within 30 mV after a step load change from 10 % to 100 %.

Parallel and series connection

Units can be connected in series and parallel.

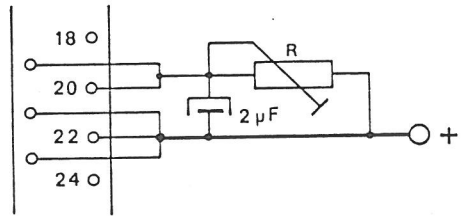
Ambient temperature

- 20 to + 50 °C at full load and nominal input voltage

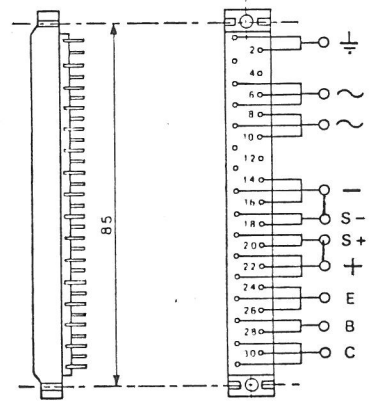
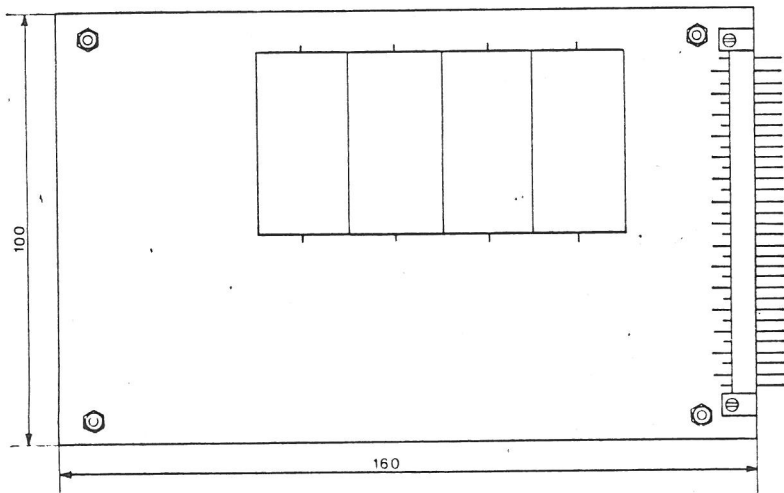
Weight and dimensions

0.4 kgs, 100 x 160 x 45 mm.

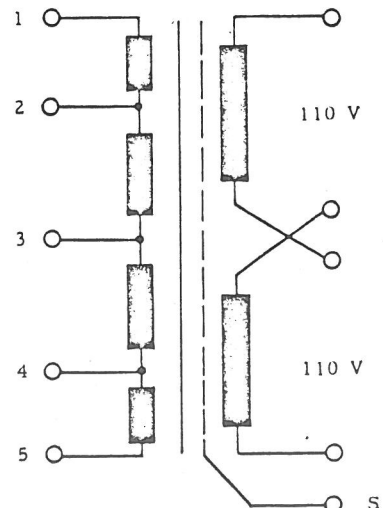
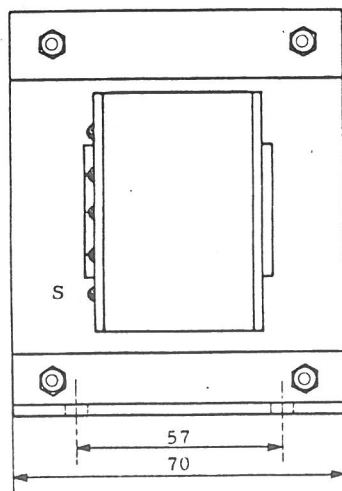
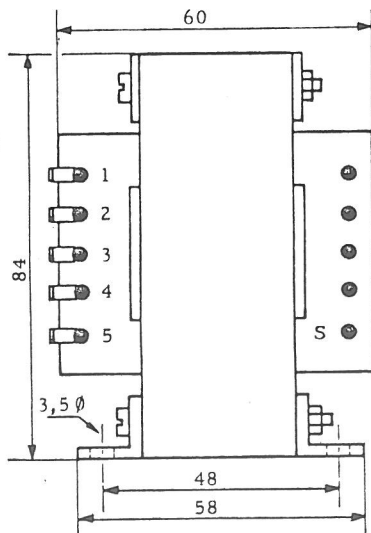
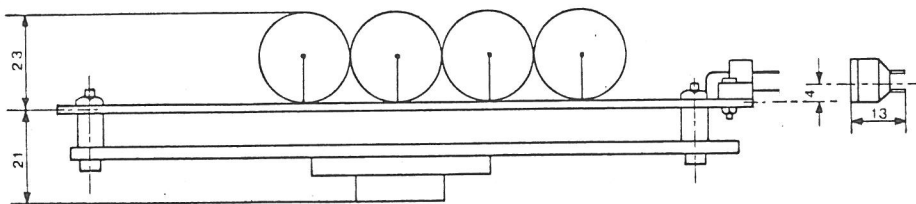
Output voltage V DC	Input voltage V AC (loaded)	Transformer T 122 Terminals
4 - 7	12.0	1 - 2
7 - 9	13.5	1 - 3
9 - 11	15.5	1 - 4
11 - 12	16.5	1 - 5



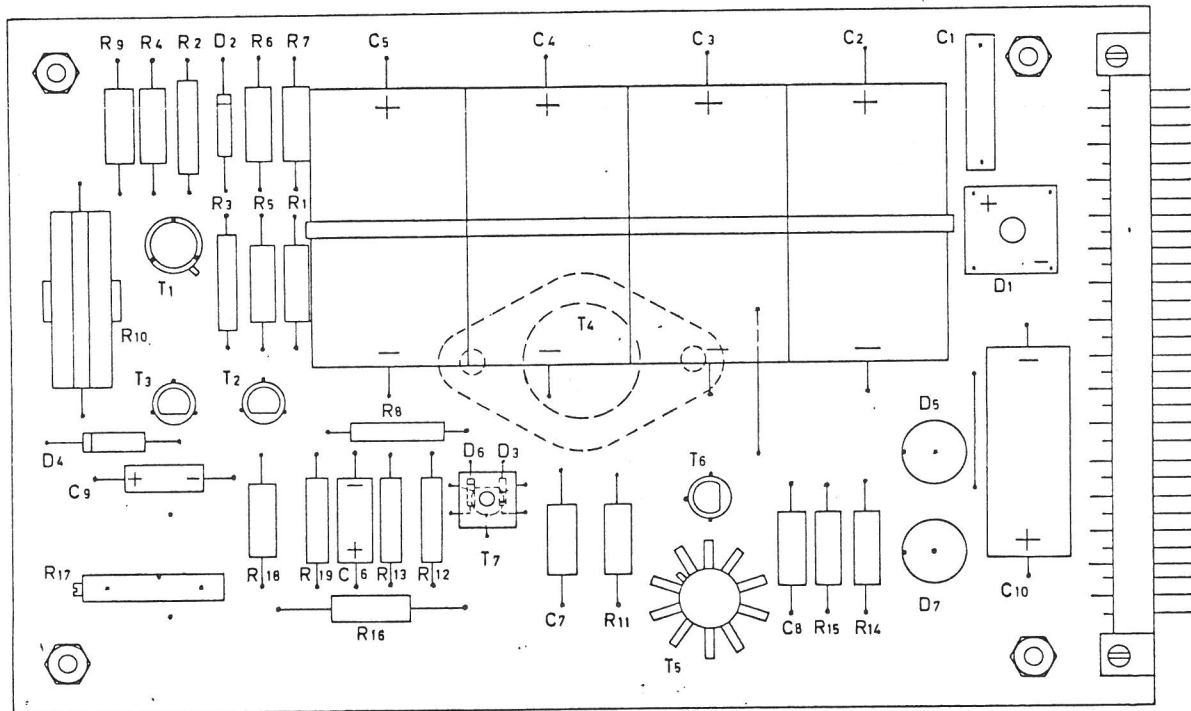
External voltage adjustment about 125 Ohm/Volt



Connector DIN 41617
Siemens C42334-A56-A1



Transformer T 122



R (Ohm)	C (microfarad)	D
1 = 2,7 k 1/2W 5 %	1 = 0.1 250 V	1 = W613 VARO
2 = 3,9 k 1/2W 2 % MF	2 = 1000 35 V	2 = ZP6,8 ITT
3 = 10 k 1/2W 2 % MF	3 = 1000 35 V	3 = ZP6,2 ITT
4 = 150 1/2W 2 % MF	4 = 1000 35 V	4 = OA202 Philips
5 = 33 k 1/2W 5 %	5 = 1000 35 V	5 = MR1031 B Motorola
6 = 4,7 k 1/2W 2 % MF	6 = 10 35 V	6 = OA202 Philips
7 = Cal. R 1/2W 5 %	7 = 0.00022 250 V	7 = MR1031 B Motorola
8 = 3,3 k 1/2W 2 % MF	8 = 0.01 250 V	
9 = 27 k 1/2W 5 %	9 = 2 25 V	
10 = 1 7W 5 % WW	10 = 250 35 V	
11 = 3,3 k 1/2W 5 %		
12 = 680 1/2W 2 % MF	T	
13 = 820 1/2W 2 % MF	1 = 2N4037 RCA	MF = Metalfilm resistor
14 = 47 1/2W 5 %	2 = BC 182 TI	WW = Wire wound resistor
15 = 10 k 1/2W 5 %	3 = BC 212 TI	
16 = 470 1/2W 5 %	4 = 2N3055 RCA	
17 = 1 k variable	5 = 2N4037 RCA	
18 = 180 1/2W 2 % MF	6 = BC 182 TI	
19 = 220 1/2W 2 % MF	7 = BC 182 TI	

