PAT MODEL TABLE							
MODEL	l .	UTPUT NGE   AMPS	VOLTAG SERIES RESISTANCE	OUTPUT IMP E MODE SERIES INDUCTANCE	PEDANCE(1) CURREN SHUNT RESISTANCE	T MODE Shunt Capacitance	
PAT 7-2	0-7	0-2	0.2mΩ	1μH	250ΚΩ	2.9KµF	
PAT 15-1.5	0-15	0-1.5	0.5mΩ	1µH	333ΚΩ	2.0KµF	
PAT 21-1	0-21	0-1	1mΩ	1µH	500ΚΩ	1.4KµF	
PAT 40-0.5	0-40	0-0.5	4mΩ	1μH	1.0ΜΩ	950µF	
PAT 72-0.3	0-72	0-0.3	<b>1</b> 2mΩ	1µH	1.6ΜΩ	375µF	
PAT 100-0.2	0-100	0-0.2	25mΩ	1μH	2.5ΜΩ	275µF	

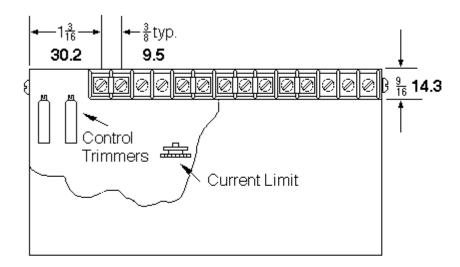
The tabulated shunt resistance applies for current stabilization using external sensing and feedback. The shunt resistance for the internal sensing mode is E<sub>Q</sub>5mA.

PAT GENERAL SPECIFICATIONS							
SPECIFICATION	CONDITION	RATING/DESCRIPTION					
INPUT							
a-c Voltage	User selectable	105-125, 210-250					
Current	Max load, 125V ac	0.45 Ampsrms					
Frequency	Range	50-440Hz					
OUTPUT	OUTPUT						
d-c Output	Series pass	Transistor					
Type of stabilizer	Volt stabilizer	Automatic crossover Current limit					
Voltage	Adjustment range for	0 to 100% of rating					
Current	temp-20°C to 71°C	0 to 100% of rating					
Error sense	Voltage allowance	0.5V per load wire					
Isolation voltage	Output to ground	500V d-corpeak					
Leakage current	rmsat115Va-c	<5 microamperes					
Output to ground	p-p at 115V a-c	<50 microamperes					
Series connection	Max voltage off grd.	500V					
Parallel <sub></sub>	Autom atic	Use current mode limiting					
connection	Current sharing	Use master-slave connection					
	Redundancy type	External steering diodes					
OVP	Type	Crowbar					
(o ption on PTR. Add suffix "-VP".	Setting range	4.8V-110% E <sub>0</sub>					
Not available, PAT)	Threshold	5% E <sub>O</sub> max. or 0.5V, whichever is greater					
	Temp. effect on setting	±0.03% /°C					

PAT GENERAL SPECIFICATIONS						
SPECIFICATION	CONDITION	RATING/DESCRIPTION				
CONTROL						
Туре	Voltage	Variable gain				
	Current	Differential comparison				
Voltage	Remote analog	O to 1mA				
	Remote digital	Use SN digital to an alog converter				
Current	Remote analog	0 to 0.5V d-c				
	Remote digital (PTR only)	Use SN digital to an alog converter				
Dynamics	Normal (slow) only	dV/dt=I/C (see tabulated C)				
MECHANICAL	MECHANICAL					
Input connection	All models	Barrier strip				
Output connection	All models	Barrier strip				
Mounting	Use 6-32 hardware to recessed captive nuts.	For rack mounting, use adapter RA 26-1, RA 27-2, or RA 28-4.				
Dimensions (HxWxD)	inches mm	4% x 6% x 31½₂ 84.9 x 161.9 x 123.8				
Finish	All models	Black anodized aluminum				
Weight (packed for shipment)	6lb (2.7Kg)					

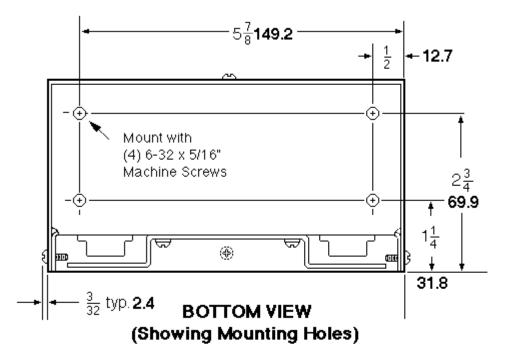
PAT STATIC SPECIFICATIONS								
Source Voltage (minmax.)	<0.0005%	<0.005%	<10 <i>µ</i> V	<2nA	<0.0001%			
Load	<0.005% or	<0.01%	<200µ∨	<5nA	_			
No load-full load	0.2m V(2)							
Time	<0.01% or	<0.02%	<20µV	<2nA	<0.005%			
8-hours (drift)	1m V(2)							
Temp. Per °C	<0.01%	<0.02%	<20µV	<5nA	<0.005%			
Ripple rms	<0.1m V	<0.2% of l <sub>0</sub> max	_	_	_			
and Noise(4) p-p(5)	<0.5m V	<0.1% of lo max	_	_	_			

Tolerance:  $\pm 1/64$ " (0.4) between mounting holes;  $\pm 1/32$ " (0.8) other dimensions

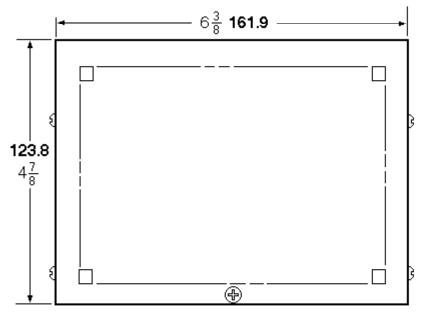


**TOP VIEW** 

Tolerance: ± 1/64" (0.4) between mounting holes; ± 1/32" (0.8) other dimensions

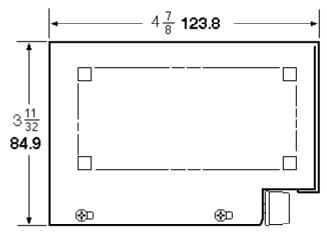


Tolerance:  $\pm 1/64$ " (0.4) between mounting holes;  $\pm 1/32$ " (0.8) other dimensions



**REAR VIEW** 

Tolerance: ± 1/64" (0.4) between mounting holes; ± 1/32" (0.8) other dimensions



SIDE VIEW

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