



Size: 3.13in x 1.97in x 1.38in (79.5mm x 50.0mm x 35mm)

FEATURES

- Input Voltage Range of 90-264VAC
- 2-Pole IEC320-C8 AC Inlet
- Class II
- Power On LED Indicator
- Short Circuit, Over Load, and Over Voltage Protection
- UL60601-1 3rd Edition, CSA-C22.2 No. 60601-1 3rd Edition, EN60601-1 3rd Edition, and IEC EN60601-1 3rd Edition

DESCRIPTION

The DTAM024A-K series of AC/DC desktop power supplies offers up to 24 watts of output power in a 3.13" x 1.97" x 1.38" package. This series consists of single output models with an input voltage range of 90-264VAC and a 2-Pole IEC320-C8 ac inlet. Each model in this series is RoHS compliant and has short circuit, over load, and over voltage protection. This series has UL60601-1 3rd edition, CSA-C22.2 No. 60601-1 3rd edition, EN60601-1 3rd edition, and IEC EN60601-1 3rd edition safety approvals.

MODEL SELECTION TABLE

Model Number	Input Voltage Range	Output Voltage	Output Current	Ripple & Noise	Output Regulation	Output Power	Efficiency Level
DTAM015A-1Y050K	90-264VAC	5V	3.00A	50mV	+5%/-3%	15W	V
DTAM024A-1Y090K		9V	2.67A	90mV	+5%/-3%	24W	
DTAM024A-1Y120K		12V	2.00A	120mV	+5%/-3%	24W	
DTAM024A-1Y160K		16V	1.50A	160mV	+5%/-3%	24W	
DTAM024A-1Y180K		18V	1.34A	180mV	+5%/-3%	24W	
DTAM024A-1Y240K		24V	1.00A	240mV	+5%/-3%	24W	
DTAM024A-1Y360K		36V	0.67A	360mV	+5%/-3%	24W	
DTAM024A-1Y480K		48V	0.50A	480mV	+5%/-3%	24W	

SPECIFICATIONS

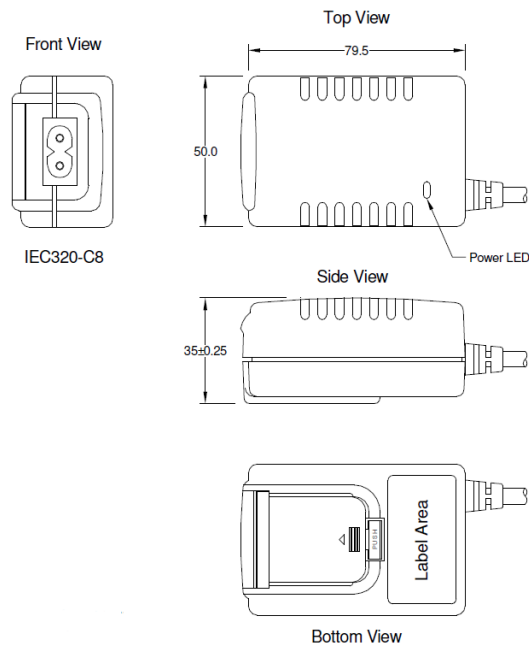
All specifications are based on 25°C, Nominal Input Voltage, and Maximum Output Current unless otherwise noted.
 We reserve the right to change specifications based on technological advances.

SPECIFICATION	TEST CONDITIONS				Unit
		Min	Typ	Max	
INPUT SPECIFICATIONS					
Input Voltage Range		90		264	VAC
Input Frequency		47		63	Hz
Inrush Current	@ 115VAC, Cold Start, 25°C @ 230VAC, Cold Start, 25°C			30 60	A peak
Input Current (rms)	@ 90VAC @ 264VAC			0.7 0.35	A
OUTPUT SPECIFICATIONS					
Output Voltage		See Table			
Output Regulation		-3		+5	%
Output Power		See Table			
Output Current		See Table			
Ripple & Noise ⁽¹⁾		See Table			
Hold-Up Time	@ Full Load, 115VAC		>10		mS
PROTECTION					
Short Circuit Protection		Automatic Recovery			
Over Load Protection		Automatic Recovery			
Over Voltage Protection		Shutdown and Latch Off, AC Recycle			
ENVIRONMENTAL SPECIFICATIONS					
Operating Temperature	Derate linearly 2.5% per °C from 41 to 60°C	-20		+60	°C
Storage Temperature		-20		85	°C
Humidity		20		90	%
MTBF	@ Full Load and 25°C ambient temperature	150,000			hours
PHYSICAL SPECIFICATIONS					
Weight		4.59oz (130g)			
Dimensions (L x W x H)		3.13in x 1.97in x 1.38in (79.5mm x 50.0mm x 35mm)			
SAFETY CHARACTERISTICS					
Safety Approvals	UL60601-1 3 rd edition, CSA-C22.2 No. 60601-1 3 rd edition, EN60601-1 3 rd Edition, IEC EN60601-1 3 rd Edition				
EMI		EN60601-1-2 FCC Part 18 EN55011 CE			Class B Class B

NOTES

1. Ripple and noise are measured at oscilloscope 20MHz bandwidth by a 10uF electrolytic capacitor and a 0.1uF ceramic capacitor in parallel at output connector.

**Due to advances in technology, specifications subject to change without notice.*

MECHANICAL DRAWINGS**Note:**

1. AC Inlet: IEC320-C8
2. Plastic Case Color: Black
3. Tolerance: $\pm 0.5\text{mm}$
4. Unit: mm

PLASTIC CASE

1. AWM 1185 #18 AWG/1C + SHIELDING, UL 80°C 300V VW-1, 1550mm
2. Depends on customer requirements.

COMPANY INFORMATION

Wall Industries, Inc. has created custom and modified units for over 50 years. Our in-house research and development engineers will provide a solution that exceeds your performance requirements on-time and on budget. Our ISO9001-2008 certification is just one example of our commitment to producing a high quality, well-documented product for our customers.

Our past projects demonstrate our commitment to you, our customer. Wall Industries, Inc. has a reputation for working closely with its customers to ensure each solution meets or exceeds form, fit and function requirements. We will continue to provide ongoing support for your project above and beyond the design and production phases. Give us a call today to discuss your future projects.

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