



FEATURES

- Input Voltage Range of 90-264VAC
- Interchangeable Plugs for Worldwide Applications
- Power ON LED Indicator
- High Reliability
- Short Circuit, Over Voltage, and Over Load Protection
- Medical 60601-1 3rd Edition Approved
- RoHS and Energy Level V Compliant
- UL60601-1 3rd Edition, CSA-C22.2 No.60601-1 3rd Edition, EN60601-1 3rd Edition, and IEC EN60601-1 3rd Edition Safety Approvals

DESCRIPTION

The WMM24 series offers up to 24 watts of output power in a single output wall mount power supply with interchangeable plugs. This series is RoHS compliant and 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. This series has output voltages ranging from 5 to 48VDC and all units are short circuit, over voltage, and over load protected. Plugs come in United States (US), Europe (EU), Australia (AUS), and United Kingdom (UK) types. Plugs are sold separately so please contact factory for ordering details.

MODEL SELECTION TABLE

Model Number ⁽¹⁾	Input Voltage Range	Output Voltage	Output Current	Ripple & Noise ⁽²⁾	Output Power	Output Regulation
WMM15-1Y05Kx	90~264VAC	5VDC	3.00A	50mVp-p	15W	+5%/-3%
WMM24-1Y09Kx		9VDC	2.67A	90mVp-p	24W	+5%/-3%
WMM24-1Y12Kx		12VDC	2.00A	120mVp-p	24W	+5%/-3%
WMM24-1Y16Kx		16VDC	1.50A	160mVp-p	24W	+5%/-3%
WMM24-1Y18Kx		18VDC	1.34A	180mVp-p	24W	+5%/-3%
WMM24-1Y24Kx		24VDC	1.00A	240mVp-p	24W	+5%/-3%
WMM24-1Y36Kx		36VDC	0.67A	360mVp-p	24W	+5%/-3%
WMM24-1Y48Kx		48VDC	0.50A	480mVp-p	24W	+5%/-3%

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	Min	Typ	Max	Unit
INPUT SPECIFICATIONS					
Input Voltage Range		90		264	VAC
Input Frequency		47		63	Hz
Inrush Current	@115VAC, Cold start at 25°C @230VAC, Cold start at 25°C			30 60	A peak
Input Current	@90VAC @264VAC			0.7 0.35	A
No Load Power Consumption				300	mW
OUTPUT SPECIFICATIONS					
Output Voltage		See Table			
Output Regulation			+5/-3		%
Output Power		See Table			
Output Current		See Table			
Ripple & Noise ⁽²⁾		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

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	Min	Typ	Max	Unit
PHYSICAL SPECIFICATIONS					
Weight				5.64oz (160g)	
Dimensions (L x W x H)	US Type			3.13in x 1.97in x 2.06in (79.5mm x 50.0mm x 52.4mm)	
	EU Type			3.13in x 1.97in x 2.84in (79.5mm x 50.0mm x 72.1mm)	
	AUS Type			3.13in x 1.97in x 2.47in (79.5mm x 50.0mm x 62.8mm)	
	UK Type			3.13in x 1.97in x 2.44in (79.5mm x 50.0mm x 62.1mm)	
SAFETY CHARACTERISTICS					
Safety Approvals	UL60601-1 3 rd Edition ⁽³⁾ 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

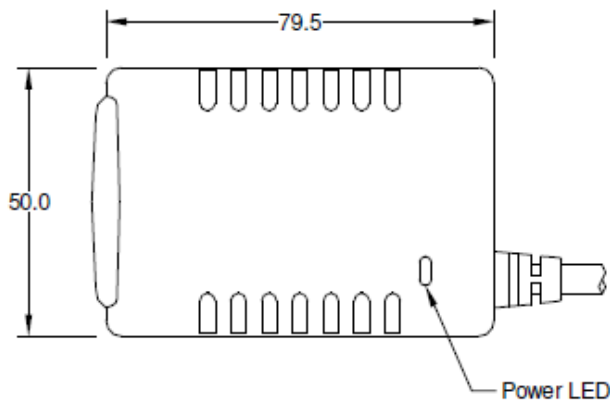
- "x" in model name indicates plug type. "x" can either be "U" for US plug, "E" for EU plug, "A" for AUS plug, or "K" for UK plug.
- Ripple and Noise is measured at oscilloscope 20MHz bandwidth by a 10uF electrolytic capacitor and a 0.1uF ceramic capacitor in parallel at output connector.
- This product is Listed to applicable standards and requirements by UL.

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

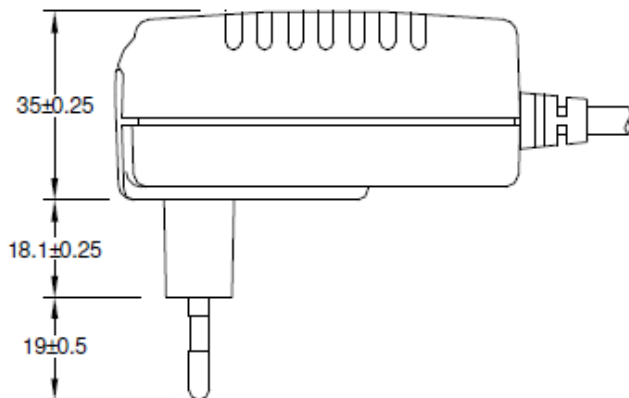
MECHANICAL DRAWINGS

European Type

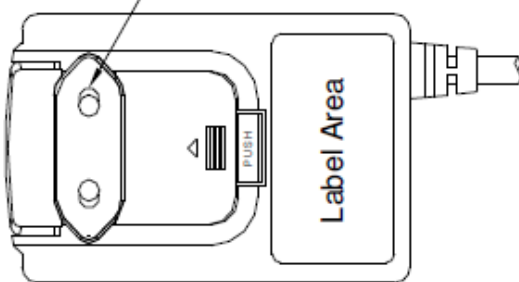
Top View



Side View



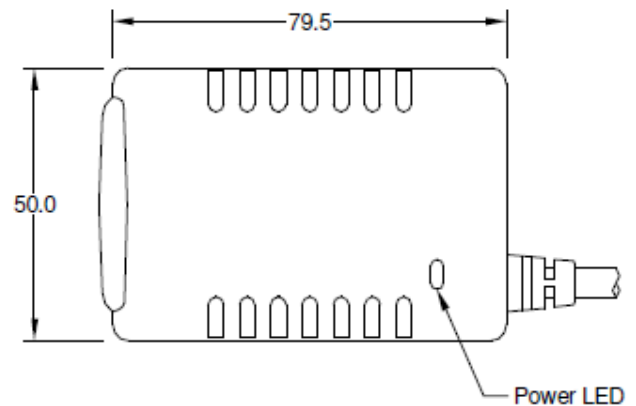
European AC Plug



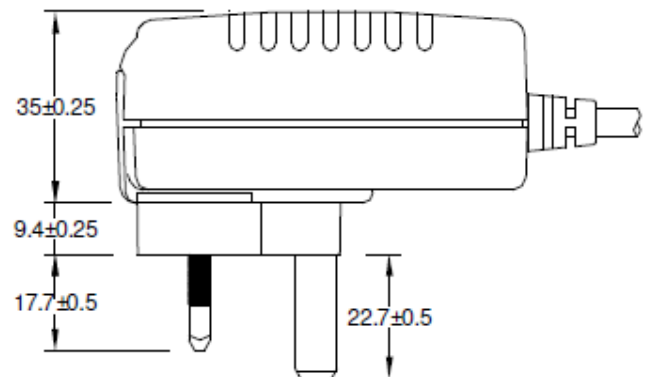
Bottom View

UK Type

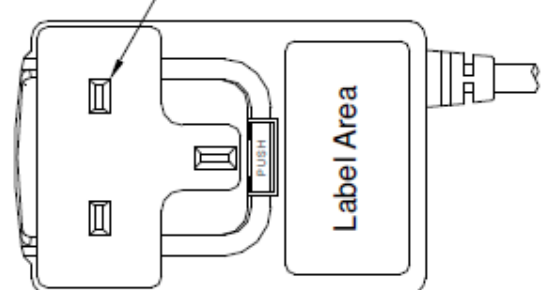
Top View



Side View



UK AC Plug

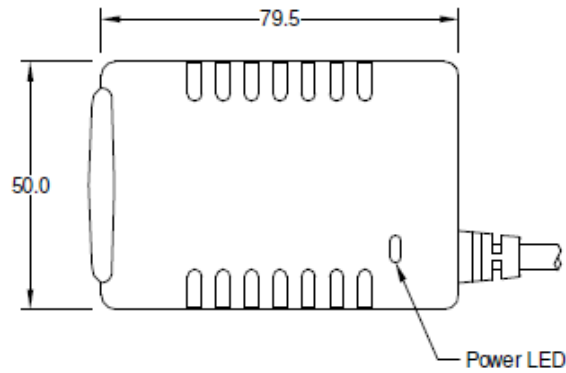


Bottom View

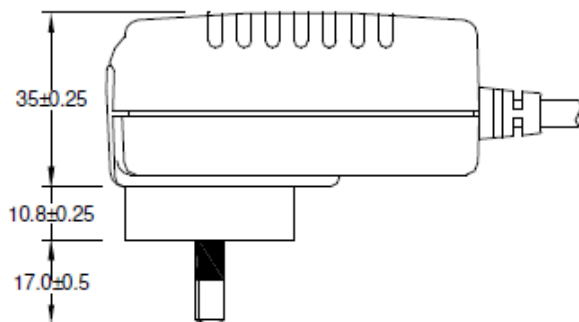
Note:
AC Inlet: IEC320-C8
Plastic Case Color: Black
Tolerance: ±0.5mm
Unit: mm

Australia Type

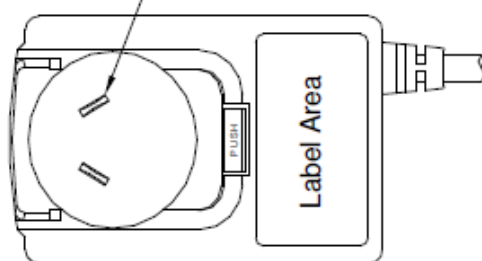
Top View



Side View



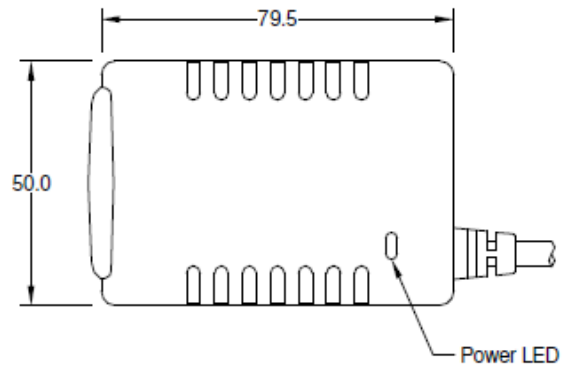
Australia AC Plug



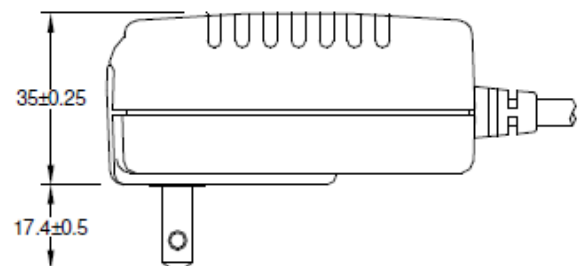
Bottom View

American Type

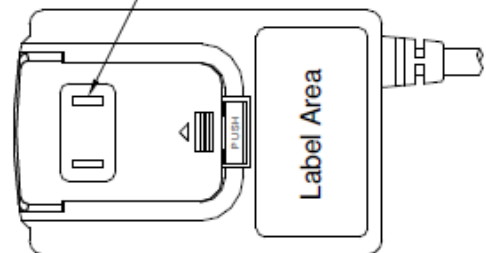
Top View



Side View



American AC Plug



Bottom View

Notes:
AC Inlet: IEC320-C8
Plastic Case Color: Black
Tolerance: ±5mm
Unit: mm

STANDARD OUTPUT CABLE

1. AWM 1185#AWG/1C + SHIELDING, UL 80°C 300V VM-1, 1550 mm
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: 2015 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.

Contact **Wall Industries** for further information:

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