

United States ("U" Suffix)



Size: 2.91 x 1.13 x 1.83 inches

United Kingdom ("K" Suffix)



Size: 2.91 x 1.13 x 1.87 inches

Europe ("E" Suffix)



Size: 2.91 x 1.13 x 2.36 inches

China ("C" Suffix)



Size: 2.91 x 1.13 x 1.83 inches

Australia ("A" Suffix)



Size: 2.93 x 1.59 x 1.99 inches

Japan ("J" Suffix)



Size: 2.91 x 1.13 x 1.83 inches

FEATURES

- Class II
- Single Outputs
- RoHS Compliant
- 100-240VAC Input Voltage Range
- 7.5~14.4 Watts Output Power
- Very Low Standby Power
- MTBF: 50,000 Hours
- 0°C to +40° Operating Temperature Range
- Over Voltage, Over Current, and Short Circuit Protection
- CEC / Energy Star Level V Compliant
- UL/cUL, FCC, ICES-300, CE, GS, EUP, CB, BS1363, SAA, CCC, MEPS, and C-TICK Safety Approvals
- United States, United Kingdom, Europe, China, Australia and Japan AC Plug Types Available
- Several Output Connector Options Available

DESCRIPTION

The WMSAW14 series of Class II AC/DC wall mount power supplies provides up to 14.4 Watts of output power. This series has single output models with an input voltage range of 100-240VAC. These supplies are protected against over voltage, over current, and short circuit conditions. The WMSAW14 series is RoHS and CEC/Energy Star Level V compliant and has UL/cUL, FCC, ICES-300, CE, GS, EUP, CB, BS1363, SAA, CCC, C-TICK, and MEPS safety approvals. United States, United Kingdom, Europe, China, Australia, and Japan AC plug types are available for this series. Several output connector options are also available. Please contact the factory for ordering details.

MODEL SELECTION TABLE

Model Number ⁽¹⁾	Input Voltage Range	Output Voltage	Output Current	Ripple & Noise ⁽²⁾	Output Power
WMSAW705-x	100~240 VAC	5 VDC	1.5A	50mVp-p	7.5W
WMSAW1005-x		5 VDC	2A	50mVp-p	10W
WMSAW1205-x		5 VDC	2.5A	50mVp-p	12.5W
WMSAW775-x		7.5 VDC	1A	50mVp-p	7.5W
WMSAW975-x		7.5 VDC	1.2A	50mVp-p	9W
WMSAW1175-x		7.5 VDC	1.5A	50mVp-p	11.25W
WMSAW909-x		9 VDC	1A	50mVp-p	9W
WMSAW1009-x		9 VDC	1.2A	50mVp-p	10.8W
WMSAW1309-x		9 VDC	1.5A	50mVp-p	13.5W
WMSAW709-x		9 VDC	0.8A	50mVp-p	7.2W
WMSAW1212-x		12 VDC	1A	50mVp-p	12W
WMSAW1412-x		12 VDC	1.2A	100mVp-p	14.4W
WMSAW1224-x		24 VDC	0.5A	100mVp-p	12W

NOTES

1. The "x" in the model number represents the type of plug: "U" for United States type, "K" for United Kingdom type, "E" for Europe type, "A" for Australia type, "C" for China type, and "J" for Japan type.
2. Ripple and noise is measured at 20MHz limited bandwidth with 0.1µF ceramic and 10µF electrolytic capacitors across the output
3. Several output connector options are available. Please call factory for ordering details.

SPECIFICATIONS: WMSAW14 SERIES

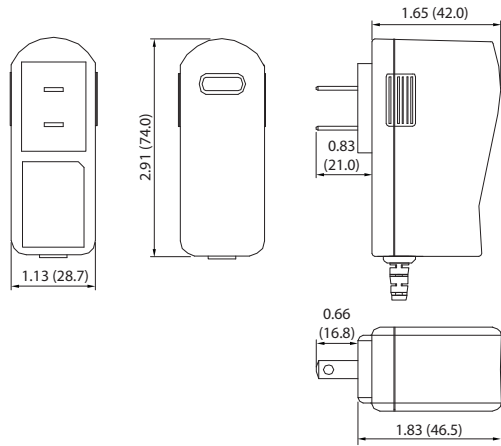
All specifications are based on 25°C, Nominal Input Voltage, and Maximum Output Current unless otherwise noted.
 We reserve the right to change specifications based on technological advances.

SPECIFICATION	TEST CONDITIONS		Min	Typ	Max	Unit
INPUT SPECIFICATIONS						
Input Voltage	Rated input voltage range		100	115/230	240	VAC
Input Frequency			47	50/60	63	Hz
Input Current	90VAC/60Hz and full load				0.5	A
Inrush Current	100VAC and full load				30	A
	240VAC and full load				75	
Stand-by Power	230VAC/50Hz and no load				0.3	W
OUTPUT SPECIFICATIONS						
Output Voltage			See Table			
Voltage Tolerance			-5		+5	%
Line Regulation			-1		+1	%
Load Regulation			-5		+5	%
Output Power			See Table			
Output Current			See Table			
Minimum Load			0			mA
Ripple & Noise			See Table			
Hold-Up Time	100VAC/60Hz and full load		10			ms
Turn-on Time	100VAC/60Hz and full load				3	s
PROTECTION						
Over Voltage Protection			Output voltage clamped by Zener diode			
Over Current Protection			Output shut-down; Automatic recovery			
Short Circuit Protection			Output shut-down; Automatic recovery			
GENERAL SPECIFICATIONS						
Efficiency			CEC-V / ERP / MEPS			
Switching Frequency				65		KHz
Dielectric Withstand Voltage	10mA / 60 sec		3000			VAC
Insulation (input to output)	500VDC		10			MΩ
ENVIRONMENTAL SPECIFICATIONS						
Operating Temperature			0		40	°C
Storage Temperature			-20		60	°C
Operating Humidity			5		95	% RH
Cooling			Free air convection			
MTBF	@ 25°C (MIL-HDBK-217F)		50,000 hours			
PHYSICAL SPECIFICATIONS						
Dimensions (L x W x H)	United States Plug Type	Suffix "U"	2.91" x 1.13" x 1.83" (74.0 x 28.7 x 46.5 mm)			
	United Kingdom Plug Type	Suffix "K"	2.91" x 1.13" x 1.87" (74.0 x 28.7 x 47.6 mm)			
	Europe Plug Type	Suffix "E"	2.91" x 1.13" x 2.36" (74.0 x 28.7 x 60.0 mm)			
	Australia Plug Type	Suffix "A"	2.93" x 1.59" x 1.99" (74.5 x 40.5 x 50.5 mm)			
	China Plug Type	Suffix "C"	2.91" x 1.13" x 1.83" (74.0 x 28.7 x 46.5 mm)			
	Japan Plug Type	Suffix "J"	2.91" x 1.13" x 1.83" (74.0 x 28.7 x 46.5 mm)			
Weight			Approximately 3.53oz (100g)			
Output Connector			Contact factory for options			
Plugs			United States, United Kingdom, Europe, Australia, China, and Japan types			
SAFETY & COMPLIANCE						
Safety Approvals			UL/cUL, FCC, ICES-300, CE, GS, EUP, CB, BS1363, SAA, CCC, MEPS, and C-TICK			
Compliance			RoHS and CEC/Energy Star Level V compliant			

MECHANICAL DRAWINGS

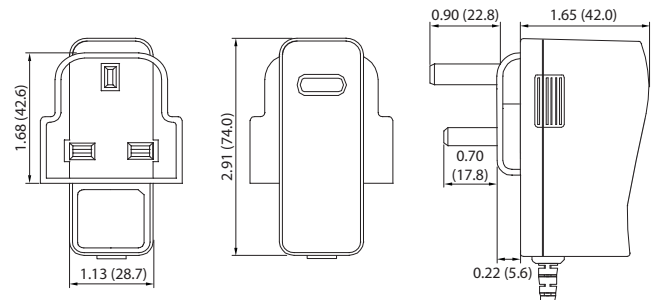
United States ("U" Suffix)

Unit: inches (mm)



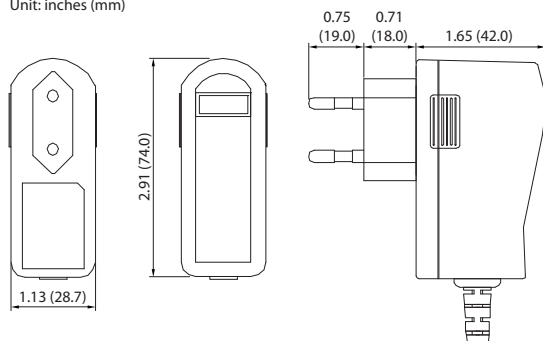
United Kingdom ("K" Suffix)

Unit: inches (mm)



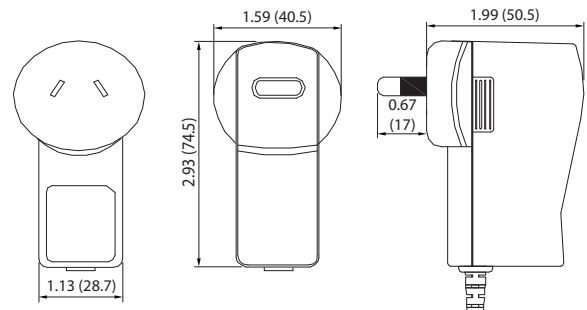
Europe ("E" Suffix)

Unit: inches (mm)



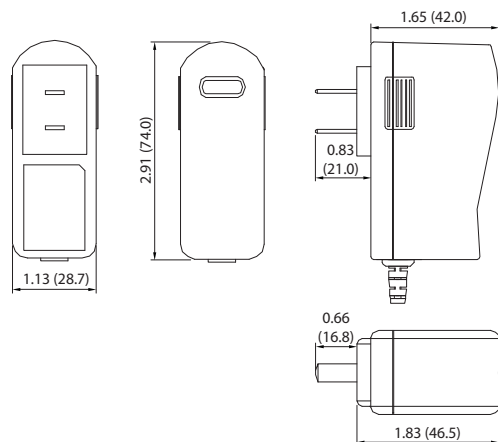
Australia ("A" TYPE)

Unit: inches (mm)



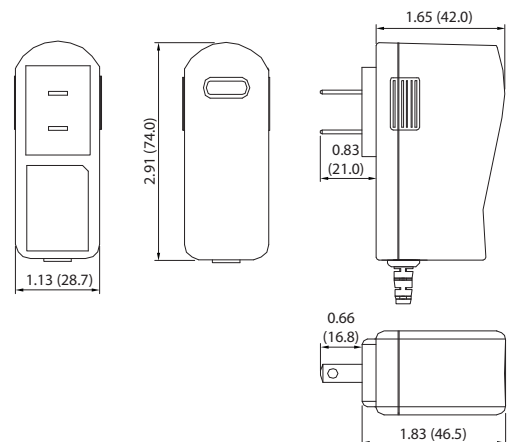
China ("C" Suffix)

Unit: inches (mm)



Japan ("J" Suffix)

Unit: inches (mm)



MODEL NUMBER SETUP

WMSAW	14	12	-	U
Series Name	Output Power	Output Voltage		AC Plug Type
	7: 7.2 Watts 7.5 Watts	05: 5 VDC		U: United States
	9: 9 Watts	75: 7.5 VDC		K: United Kingdom
	10: 10 Watts 10.8 Watts	09: 9 VDC		E: Europe
	11: 11.25 Watts	12: 12 VDC		A: Australia
	12: 12 Watts 12.5 Watts	24: 24 VDC		C: China
	13: 13.5 Watts			J: Japan
	14: 14.4 Watts			

Note: Several output connector options are available. Please contact factory for ordering details.

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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