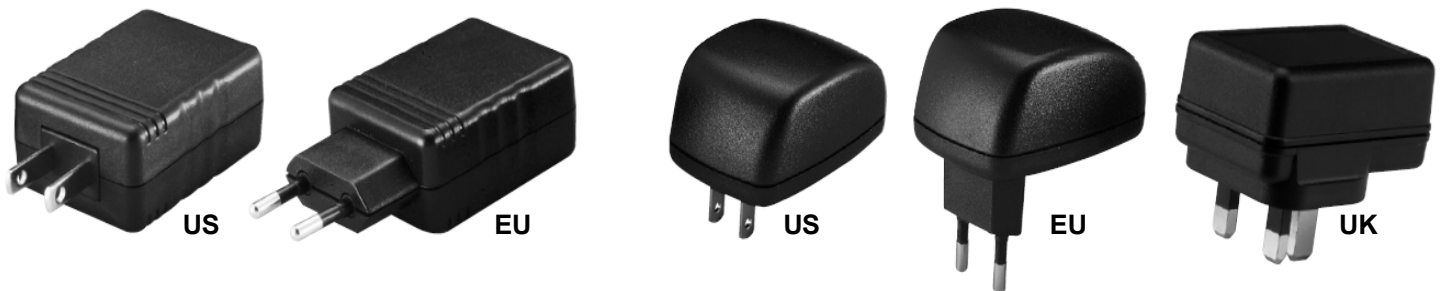


Wall Industries, Inc.

WMEA1015 SERIES

10~15 Watts, Class II
90-264VAC Input Voltage Range
US, EU, and UK Types Available
Wall Mount AC/DC Switching Power Supplies



Case Type 1: Straight Type

Case Type 2: Right Angle & UK Type

FEATURES

- Class II
- 90-264VAC Input Voltage Range
- 10~15 Watts Output Power
- Single Outputs
- Slim Compact Size
- Low Ripple & Noise
- Short Circuit and Over Voltage Protection
- MTBF: > 30,000 Hours
- 100% Burn-in and Hi-Pot Tested
- Optional Output Connectors
- RoHS and WEEE Compliant
- CEC Efficiency Regulations Compliance
- UL/cUL 60950-1, CE, CB, FCC, and PSE Safety Approvals
- US, EU, and UK Types Available
- Two Case Types Available: Straight and Right Angle

DESCRIPTION

The WMEA1015 series of Class II wall mount AC/DC power supplies offers up to 15 Watts of output power in a slim compact package. All models have a single output and a universal input voltage range of 90-264VAC. These supplies are protected against over voltage and short circuit conditions and have been 100% burn-in and Hi-pot tested. This series is CEC, RoHS, and WEE compliant and has UL/cUL 60950-1, CE, CB, FCC, and PSE safety approvals. Models are available in United States (“U” suffix), United Kingdom (“K” suffix), and European (“E” suffix) types. Optional output connectors are also available. Please call factory for more details.

SPECIFICATIONS: WMEA1015 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	AC input voltage range		100	115/230	240	VAC
	AC input voltage range (limit)		90	115/230	264	
Input Frequency			47	50/60	63	Hz
Input Current					0.5	A
Inrush Current					60	A
OUTPUT SPECIFICATIONS						
Output Voltage			See Table			
Line Regulation	Defined by changing ±10% of input voltage from nominal line at rated load				±1	%
Load Regulation				±5		%
Output Power			See Table			
Output Current			See Table			
Minimum Load				0		%
Ripple & Noise	Measured at 20MHz BW with 0.1μF ceramic and 47μF aluminum capacitors in parallel with the output at full load and nominal line		See Table			
Hold-Up Time			8.3			ms
Turn-on Time					3	s
PROTECTION						
Short Circuit Protection			Auto-recovery			
Over Voltage Protection			Auto-recovery			
GENERAL SPECIFICATIONS						
Efficiency			See Table			
Class I or II			Class II			
ENVIRONMENTAL SPECIFICATIONS						
Operating Temperature			0		40	°C
Storage Temperature			-20		85	°C
Humidity			5		95	%
Cooling			Free air convection			
MTBF			> 30,000 hours			
PHYSICAL SPECIFICATIONS						
Weight			4.9oz (140g)			
Dimensions (L x W x H)	Case Type 1	US (Suffix “U”)	2.35” x 1.73” x 1.12” (59.8 x 44 x 28.5 mm)			
		EU (Suffix “E”)	3.06” x 1.72” x 1.17” (77.7 x 43.8 x 29.7 mm)			
	Case Type 2	US (Suffix “U”)	2.80” x 1.87” x 1.32” (71 x 47.5 x 33.6 mm)			
		EU (Suffix “E”)	2.80” x 1.87” x 1.25” (71 x 47.5 x 31.85 mm)			
		UK (Suffix “K”)	2.75” x 1.89” x 1.46” (70 x 48 x 37 mm)			
AC Plugs			US, UK, and EU plugs			
Connector Type			optional output connectors available			
SAFETY & COMPLIANCE						
Safety Approvals			UL/cUL 60950-1 ⁽⁵⁾ , CB, CE, FCC, PSE			
EMC/EMC			FCC Part 15 class B and EN55022 class B			
Compliance			CEC, RoHS, and WEEE			

MODEL SELECTION TABLES

Case Type 1 Models							
Model Number	Input Voltage Range	Output Voltage ⁽¹⁾	Output Current	Output Power	Ripple & Noise ⁽²⁾	Efficiency	AC Plug
WMEA1015A1U-vvpp	90~264 VAC	3 ~ 5 VDC	2.5A	10W	100mVp-p	70%	US
WMEA1015B1U-vvpp		6 ~ 9 VDC	2.0A	12W	150mVp-p	70%	US
WMEA1015C1U-vvpp		10 ~ 15 VDC	1.5A	15W	200mVp-p	75%	US
WMEA1015D1U-vvpp		16 ~ 24 VDC	0.9A	15W	300mVp-p	75%	US
WMEA1015A1E-vvpp		3 ~ 5 VDC	2.5A	10W	100mVp-p	70%	EU
WMEA1015B1E-vvpp		6 ~ 9 VDC	2.0A	12W	150mVp-p	70%	EU
WMEA1015C1E-vvpp		10 ~ 15 VDC	1.5A	15W	200mVp-p	75%	EU
WMEA1015D1E-vvpp		16 ~ 24 VDC	0.9A	15W	300mVp-p	75%	EU

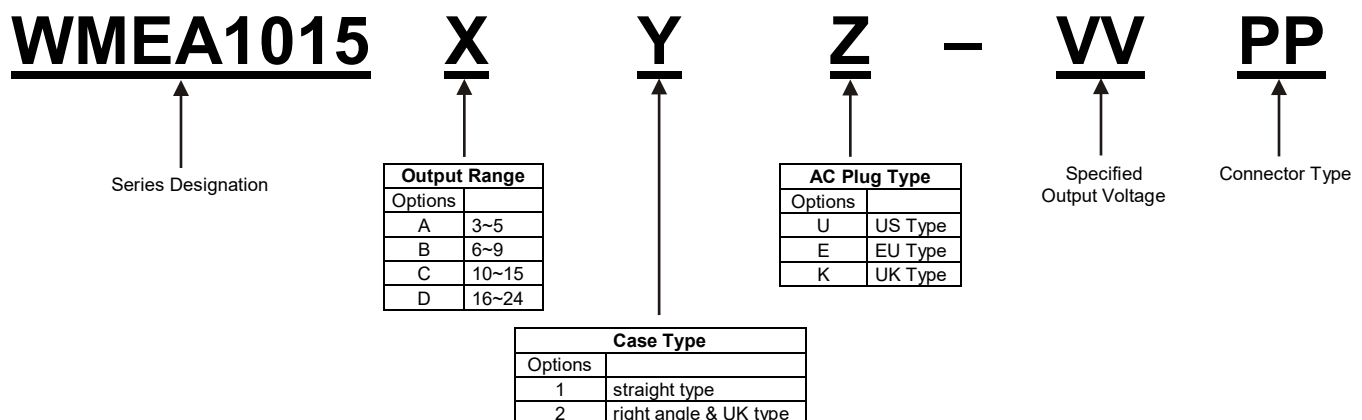
Case Type 2 Models							
Model Number	Input Voltage Range	Output Voltage ⁽¹⁾	Output Current	Output Power	Ripple & Noise ⁽²⁾	Efficiency	AC Plug
WMEA1015A2U-vvpp	90~264 VAC	3 ~ 5 VDC	2.5A	10W	100mVp-p	70%	US
WMEA1015B2U-vvpp		6 ~ 9 VDC	2.0A	12W	150mVp-p	70%	US
WMEA1015C2U-vvpp		10 ~ 15 VDC	1.5A	15W	200mVp-p	75%	US
WMEA1015D2U-vvpp		16 ~ 24 VDC	0.9A	15W	300mVp-p	75%	US
WMEA1015A2E-vvpp		3 ~ 5 VDC	2.5A	10W	100mVp-p	70%	EU
WMEA1015B2E-vvpp		6 ~ 9 VDC	2.0A	12W	150mVp-p	70%	EU
WMEA1015C2E-vvpp		10 ~ 15 VDC	1.5A	15W	200mVp-p	75%	EU
WMEA1015D2E-vvpp		16 ~ 24 VDC	0.9A	15W	300mVp-p	75%	EU
WMEA1015A2K-vvpp		3 ~ 5 VDC	2.5A	10W	100mVp-p	70%	UK
WMEA1015B2K-vvpp		6 ~ 9 VDC	2.0A	12W	150mVp-p	70%	UK
WMEA1015C2K-vvpp		10 ~ 15 VDC	1.5A	15W	200mVp-p	75%	UK
WMEA1015D2K-vvpp		16 ~ 24 VDC	0.9A	15W	300mVp-p	75%	UK

NOTES

1. The output voltage is specified as a range (ex: 16~24VDC). The customer must specify what they would like the output voltage set at.
2. Ripple and noise is measured at 20MHz BW with 0.1μF ceramic and 47μF aluminum capacitors in parallel with the output at full load and nominal line.
3. Optional output connectors are available. Please call factory for more details.
4. All safety regulations are listed for reference only. Please call factory for more details.
5. This product is Listed to applicable standards and requirements by UL.

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

MODEL NUMBER SETUP

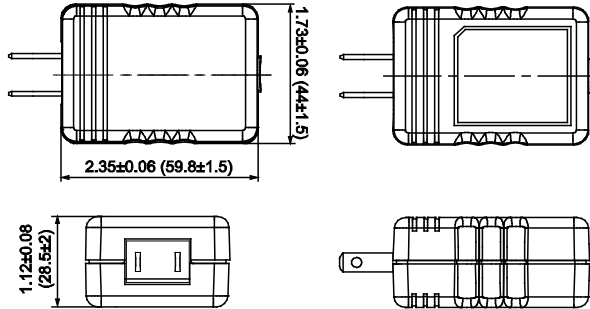


MECHANICAL DRAWINGS

CASE TYPE 1: STRAIGHT MODELS

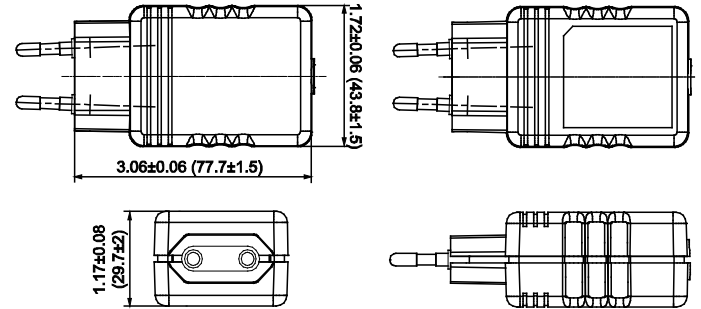
US Type (Suffix "U")

Unit: inches (mm)



EU Type (Suffix "E")

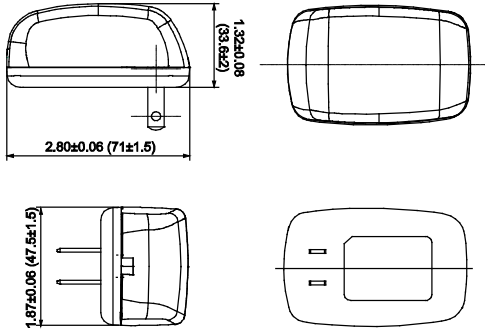
Unit: inches (mm)



CASE TYPE 2: RIGHT ANGLE & UK TYPE MODELS

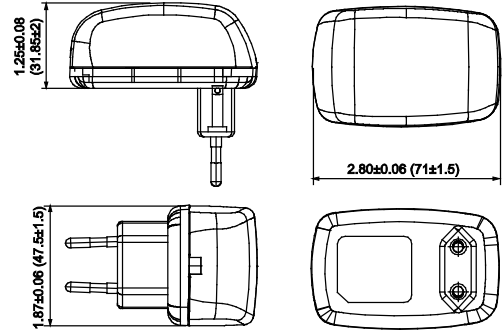
US Type (Suffix "U")

Unit: inches (mm)



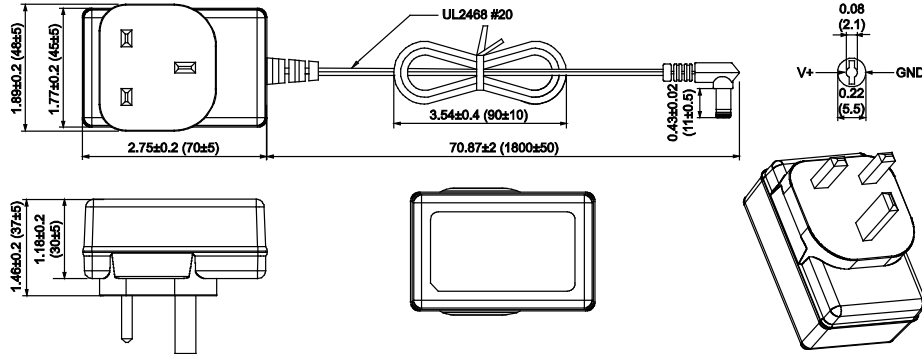
EU Type (Suffix "E")

Unit: inches (mm)

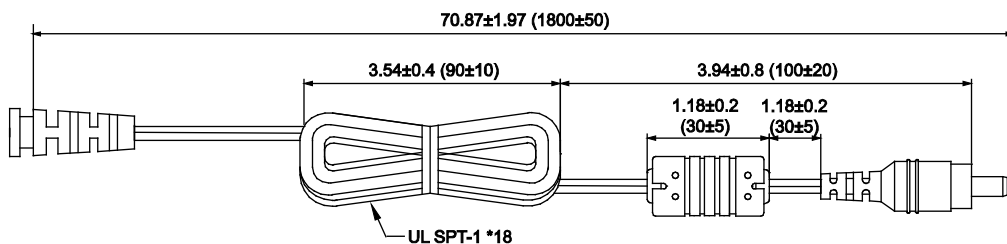


UK Type (Suffix "K")

Unit: inches (mm)



STANDARD DC OUTPUT CABLE



-Other output cables are available. Please call factory for more details.

-All dimensions are for reference only

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.

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