

■ Features

- Single output from 20-24W
- 100-240Vac Universal input
- Certificates: UL, CE
- Frequency: 50-60Hz
- Ripple: 200mV
- OVP, OCP, SCP, and OTP
- Efficiency Level: VI
- Interchangeable Plug types: US, EU, AU, UK
- MTBF: 50,000 hours
- Dimension: 75x40.5x38.75mm (exclude plug)



*Product images are for illustrative purposes only and may vary from actual design.

■ Application

- Consumer electronics, Telecom and office equipment
- Industrial equipment

Custom Designs Available!

■ Model List

Model	Output Voltage	Output Current	Power	Certifications
WM024S-050I-TP1-XX	5V	4A	20W	UL, CE, cUL
WM024S-090I-TP1-XX	9V	2.5A	22.5W	UL, CE, cUL
WM024S-120I-TP1-XX	12V	2A	24W	UL, CE, cUL
WM024S-150I-TP1-XX	15V	1.6A	24W	UL, CE, cUL
WM024S-180I-TP1-XX	18V	1.33A	24W	UL, CE, cUL
WM024S-200I-TP1-XX	20V	1.2A	24W	UL, CE, cUL
WM024S-240I-TP1-XX	24V	1A	24W	UL, CE, cUL

■ Technical Data

Input Voltage Range	90-240Vac
Input Frequency Range	47Hz-63Hz
Input Current	0.8max@full load
Inrush Current	50A typ peak, 220Vac Input
Ripple and Noise	200mV
Turn on/off overshoot	5%
Line Regulation	±5%
Load Regulation	±5%
Turn on delay time	3S
Rise time	40ms
Hold up time	5ms
Efficiency	86.8% average at 25%, 50%, 75% and 100% of full loading and 230Vac input(after warm up 30 minutes) Efficiency of 10% of full load limit >76.8%
Short Circuit Protection	The power supply will auto recover once the short circuit fault is removed
Over Current Protection	120-150% auto start, the power supply will be auto recovered after over current fault is removed

Technical Sales / Customer Service: +1-818-338-7788 • Email: sales@autec.com
31328 Via Colinas Suite 102 • Westlake Village, CA 91362 USA • www.autec.com

April 19, 2019

■ Technical Data(cont.)

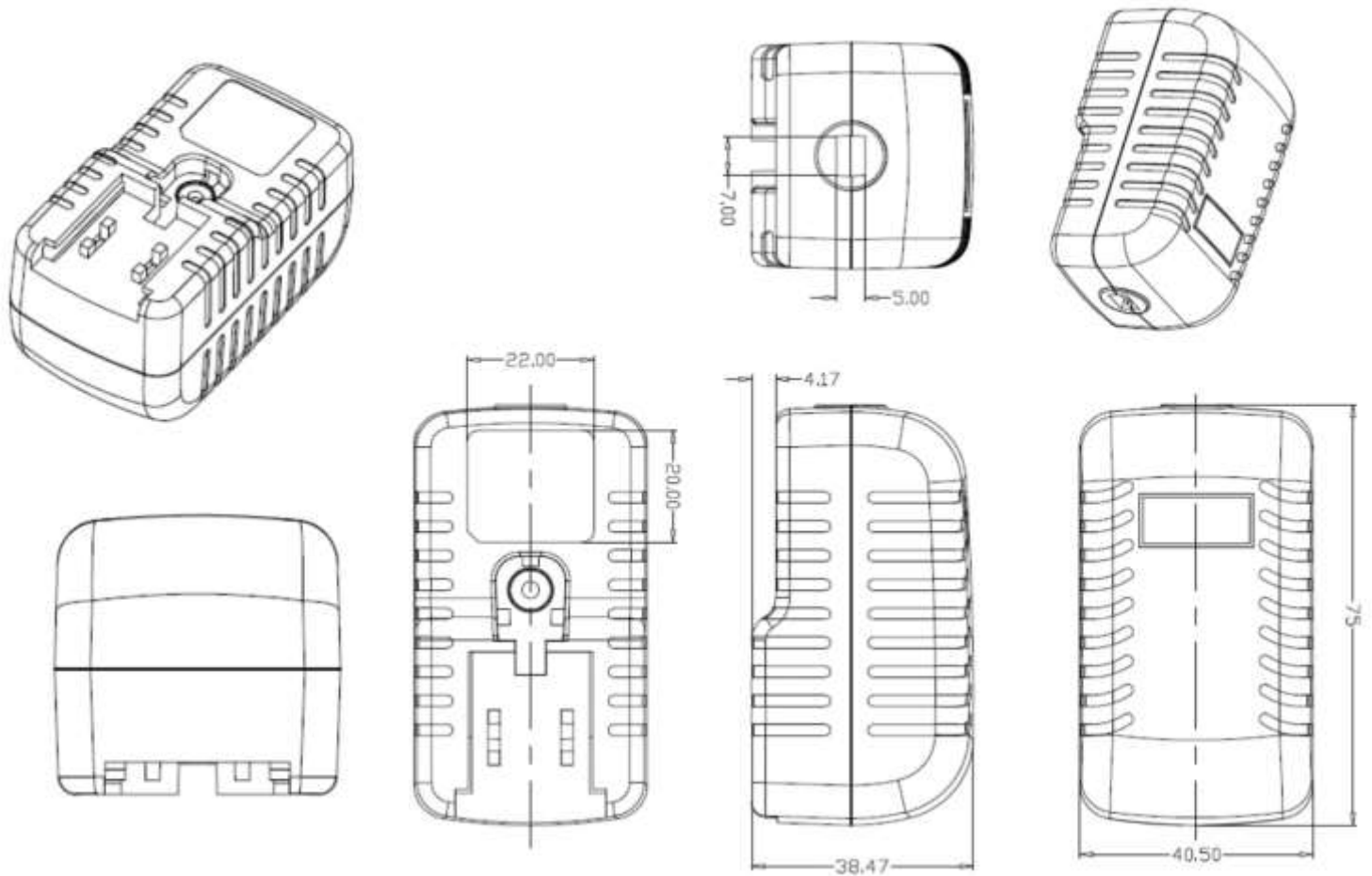
Burn-in	2-4 hours under normal input and 80% rated load @ 40°C±5°C
MTBF	50,000hours @ 25°C, full load and nominal input condition
Operating Temperature	0°C to 40°C
Storage Temperature	-40°C to 85°C
Relative Humidity	5%-95% RH
Storage Humidity	10%-90% RH
Dimensions	75x40.5x38.75mm
Weight	140g
Vibration	Operating: IEC 721-3-3 3M3 5~9Hz, A=1.5mm 9~200Hz, Acceleration 5m / S ²
Transportation	IEC 721-3-2 2M2 5-9Hz, A=3.5mm 9~200Hz, Acceleration=5m / S ² 200~500Hz, Acceleration=15m / S ²

Ripple Voltage is measured with oscilloscope with bandwidth 20MHz. A 10uF E-cap and 0.1uF ceramic-cap shall be connected to the connector in parallel.

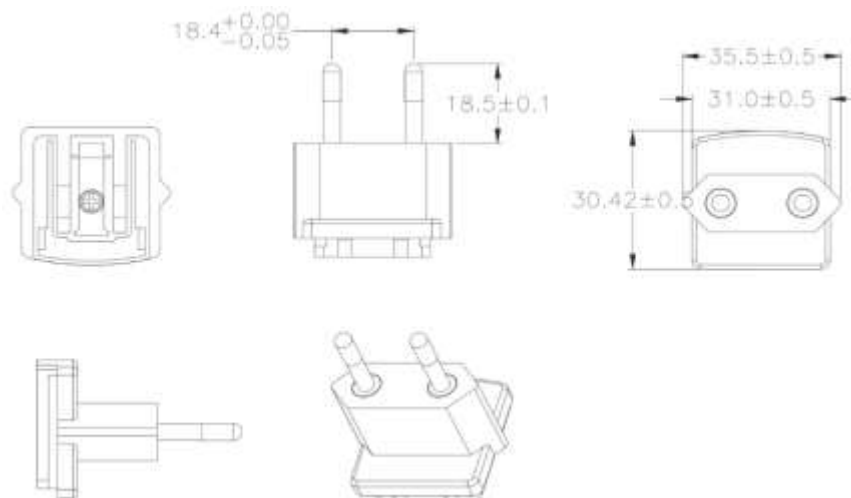
■ Safety and EMI

Safety	UL/cUL UL60950; FCC Class B, CE EN60950; SAA AS/NZS 60950, 60065; PSE J60950(H22); CB IEC60950; C-TICK AS/NZS CISPR13:2004
EMI	GB9254, GB17625.1, GB13837, FCC- Part15, EN 55032, EN55024, CISPR 32, EN 61000-4-4, EN 61000-3-2, EN 61000-3-3, EN 61000-4-2, EN 61000-4-3, EN 61000-4-5, EN 61000-4-6, EN 61000-4-8, EN 61000-4-11
Dielectric Strength Testing	Primary to Secondary 3000Vac/4242Vdc /10mA/1 min
Leakage Current	0.25mA max. at 240Vac / 50Hz input
Insulation Resistance	100MΩ min. @ primary to secondary add a 500Vdc test voltage

■ Mechanical Diagram



-EU Input Plug



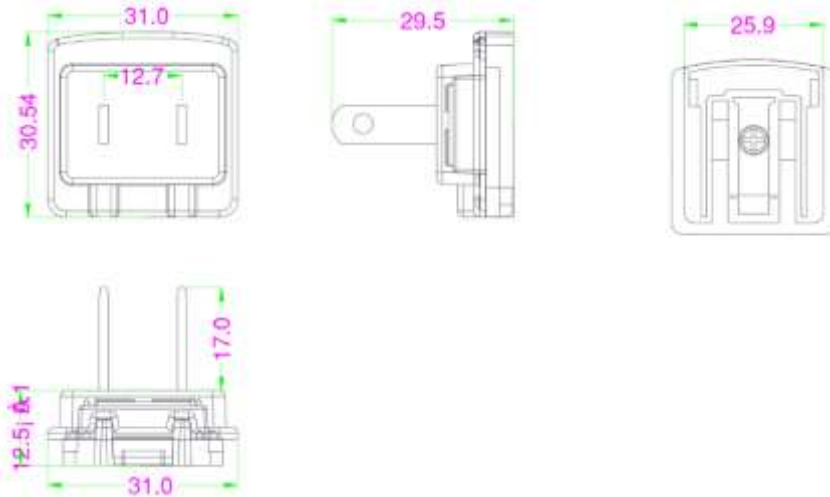
Technical Sales / Customer Service: +1-818-338-7788 • Email: sales@autec.com

31328 Via Colinas Suite 102 • Westlake Village, CA 91362 USA • www.autec.com

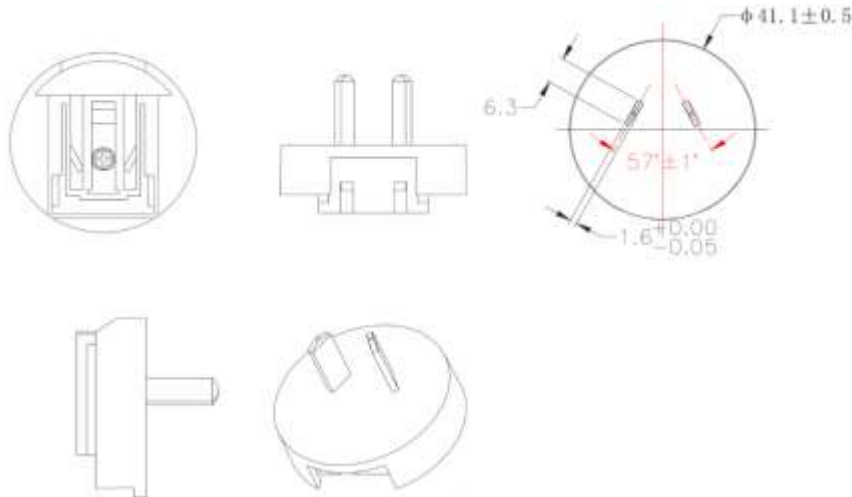
April 19, 2019

3 / 5

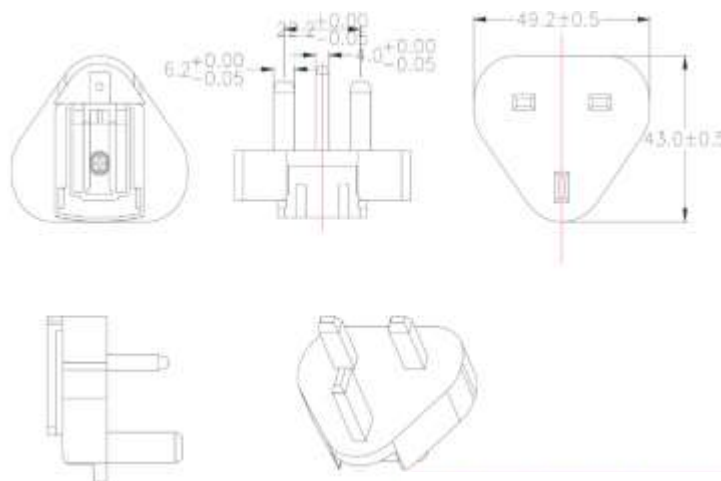
-US Input Plug



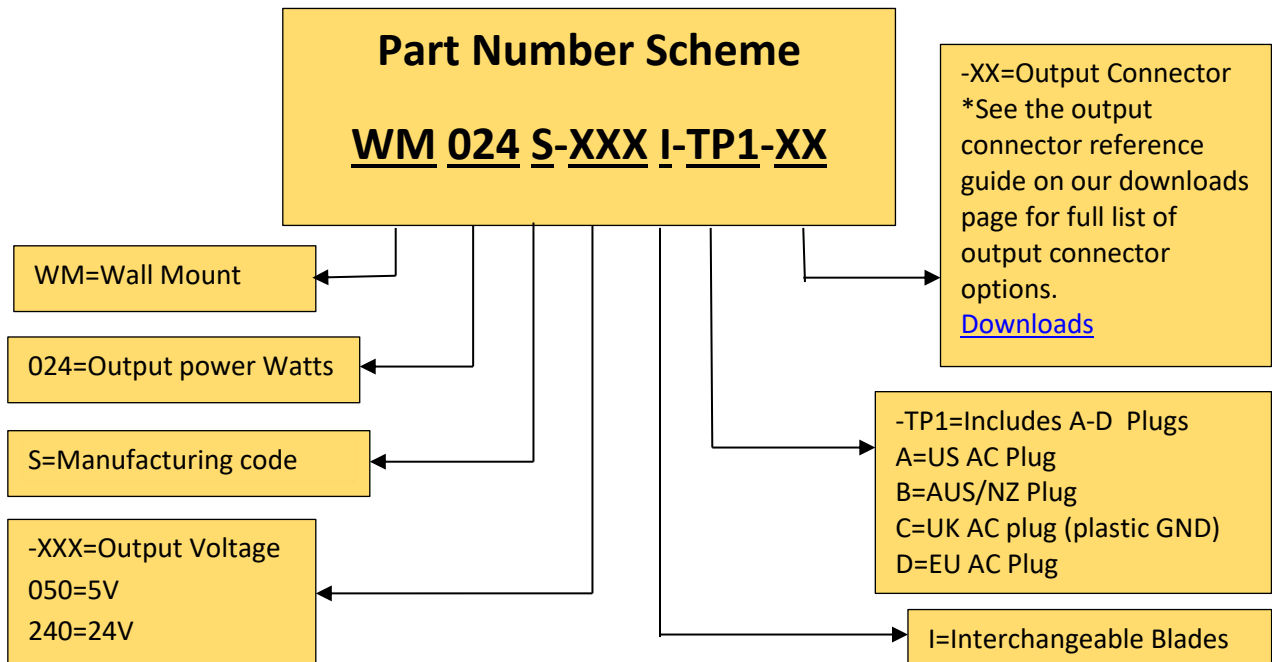
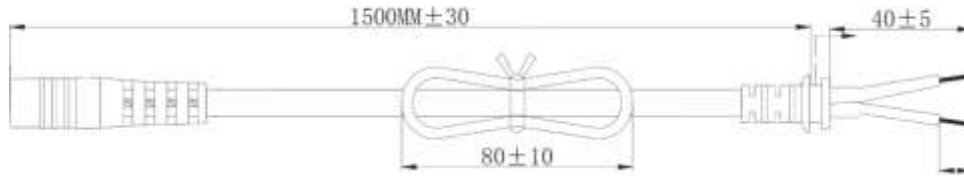
-AU Input Plug



-UK Input Plug



■ DC Output Cord Diagram



*Product images are for illustrative purposes only and may vary from actual design.

*Specifications are subject to change without notice. Autec is not responsible for issues arising from errors or omissions.