

SPECIFICATION

High Quality Switching Wallmount Adapter Interchangeable AC Plugs

**Universal AC Input
10W 5VDC 2A Output**

P/N: W050020HKX1

**** Specification Approval****

This specification (total 10 pages including cover page) is approved in it's entirety by:

Company Name

Print Name

Signature

Date



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1.0 Introduction:

This document specifies a switching power supply with an output of +5V, and electronic process. The switching power supply will provide power for technology equipment including electrical business equipment. The adapter meets the requirement of lead free and RoHS.

2.0 Input:

2.1 Input Voltage Range :	100(-10%)VAC to 240(+10%)VAC
2.2 Input Frequency Range:	47Hz to 63Hz
2.3 Input Power Consumption at no-load :	0.3W Max.
2.4 Input In-rush Current:	50A Max.
2.5 Input Current:	0.35A Max.

3.0 Output:

3.1 Output Voltage:	+5V
3.2 Output Regulation:	4.7V-5.3V
3.3 Output Load Range:	0-2.0A
3.4 Output Ripple & Noise:	100mV Max.@20MHz bandwidth with 22UF/50V capacitance and 104/50V ceramic capacitor.

4.0 Efficiency: $\geq 73.4\%$ @average of 25/50/75/100% loads 115&230VAC input

5.0 Line Regulation: 2% maximum

6.0 Hold-up Time: 10ms Min at 110VAC full load.

7.0 Turn-on Time: 2S Max at 110VAC full load.

8.0 Temperature Coefficient: 0.05%/°C

9.0 Dielectric Strength (Hi-Pot) Test:

9.1 Finished product withstands AC 3.0KV, for 2 second, 4mA max primary to secondary.

9.2 Finished product withstands AC 3.0KV, for 2 second, 4mA max primary to case.

15.0 Safety:

The switching power supply has approved by the following safety standards:

UL60950-1 CAN/CSA-C22.2 No.950-95

IEC60950-1: 2005, EN60950-1: 2006+A11, AS/NZS60950

10.0 Insulation Resistance:

Primary to secondary: 50MOHM to 500VDC.

11.0 Protection:

11.1 Input Protection

The switching power supply has a 1 amps inner current fuse to protect itself.

11.2 Output Protection

11.2.1 Output Current:

Overload conditions shall decrease the output voltage. Removal of an output overload shall provide automatic recovery for the output voltage.

11.2.2 Short Circuit Protection: Auto Recovery.

12.0 Environmental:

The switching power supply can withstand the following environmental conditions:

12.1 Storage Temperature:-20°C ~ +70 °C

Relative Humidity: 10% ~ 95%

12.2 Operation Temperature:0°C~40°C

Relative Humidity: 10%~95%

13.0 EMI / EMC:

The switching power supply has approved by the following standards:

FCC PART 15B AS/NZS 55022/55024

(1)EN55022(EN61000-3-2. EN61000-3-3)

(2)EN55024(IEC61000-4-2. IEC61000-4-3. IEC61000-4-4.

IEC61000-4-6. IEC61000-4-8. IEC61000-4-11.)

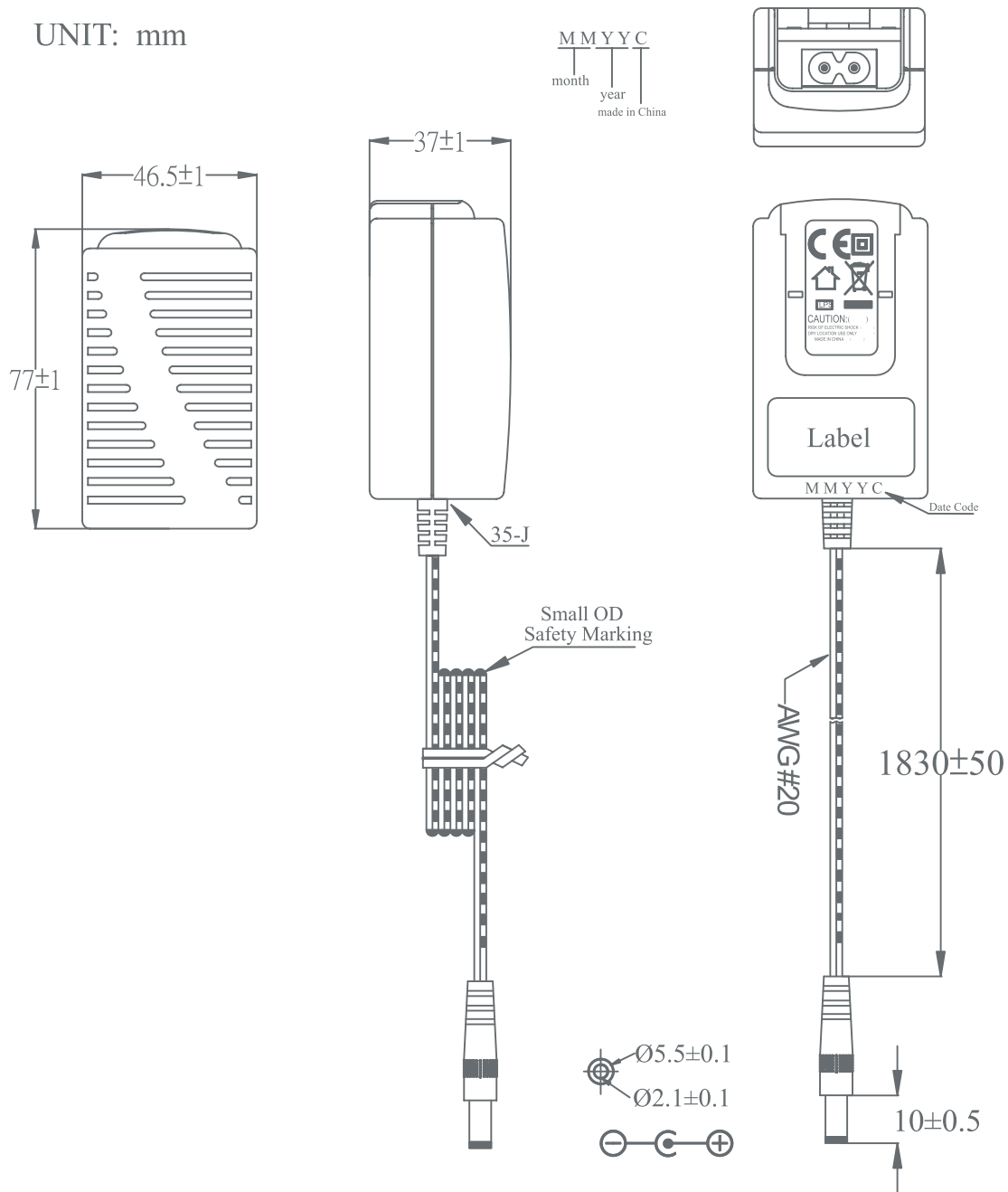
14.0 Reliability:

14.1 Burn-in

The burn-in test will be performed at least 2 hours at 40 centigrade degrees under full load condition.

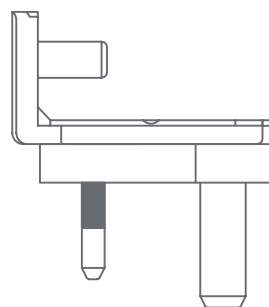
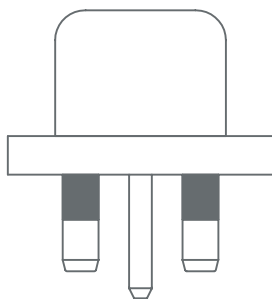
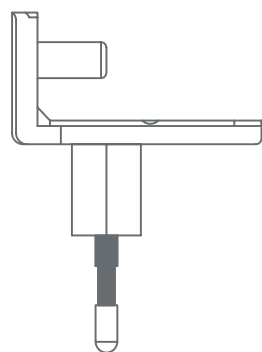
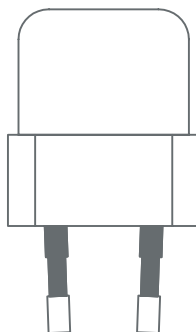
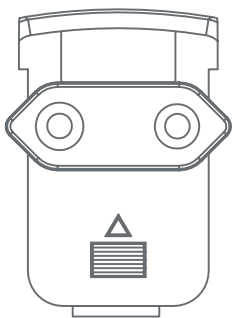
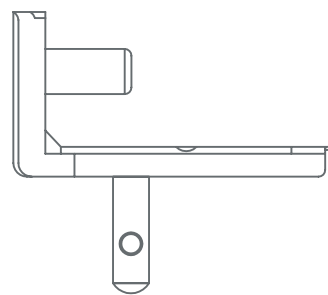
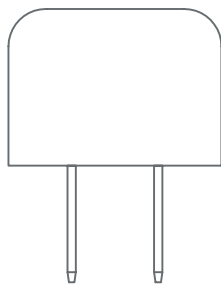
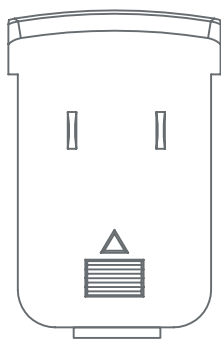
16. Mechanical

UNIT: mm

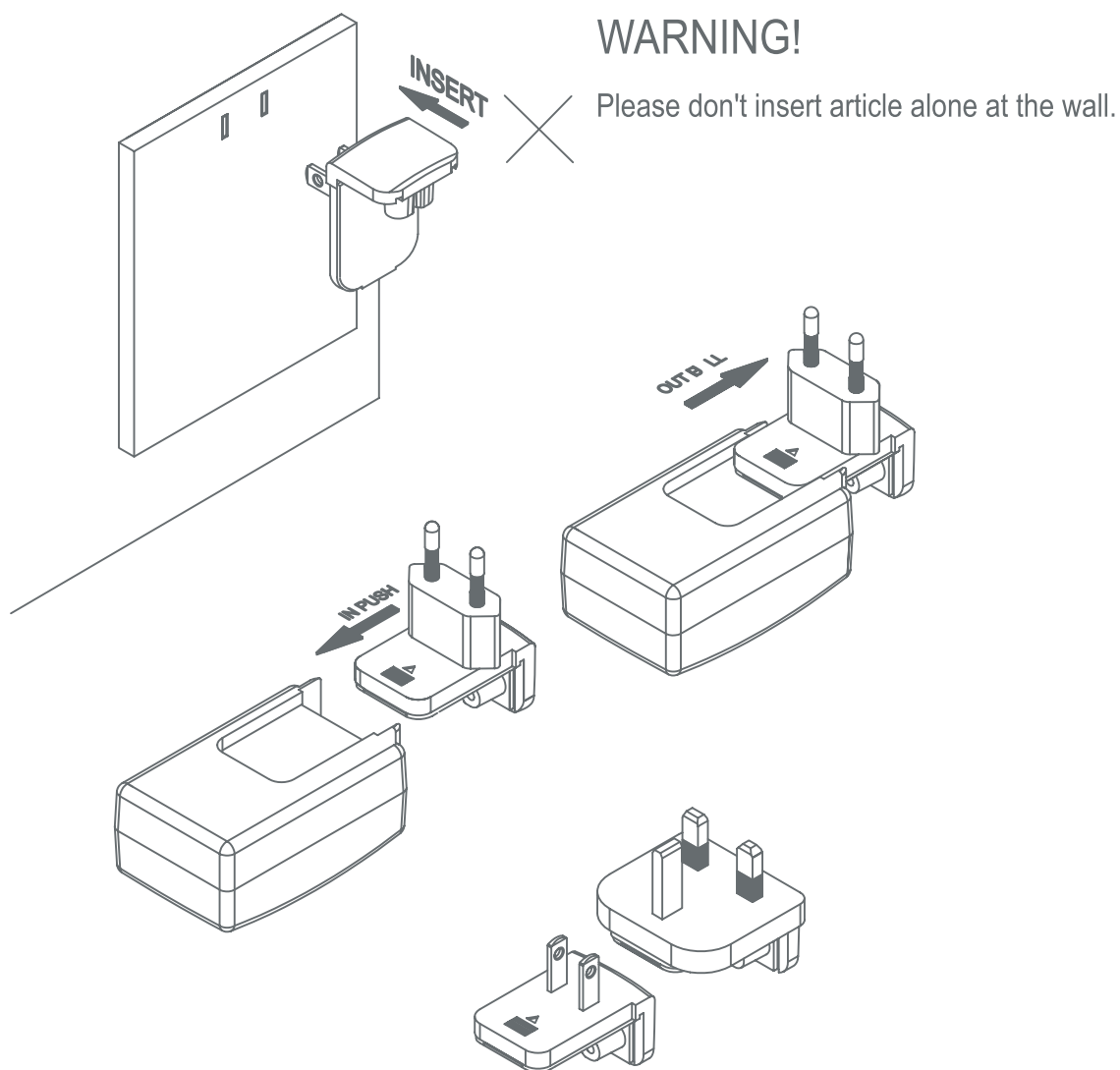


17. AC Plugs

UNIT: mm



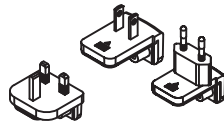
18. Caution



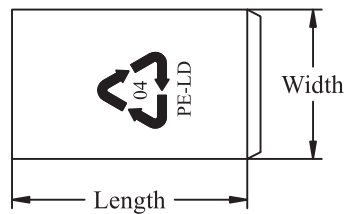
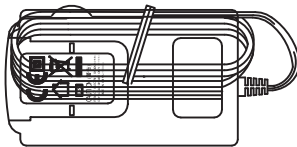
19. Packing

19.1 Inner Packing

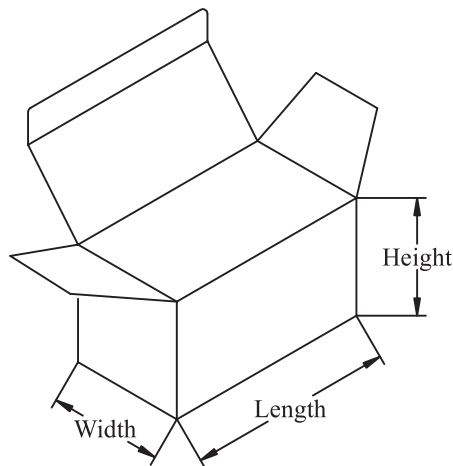
UNIT: mm



USA, EU, UK Plugs only
美、歐、英



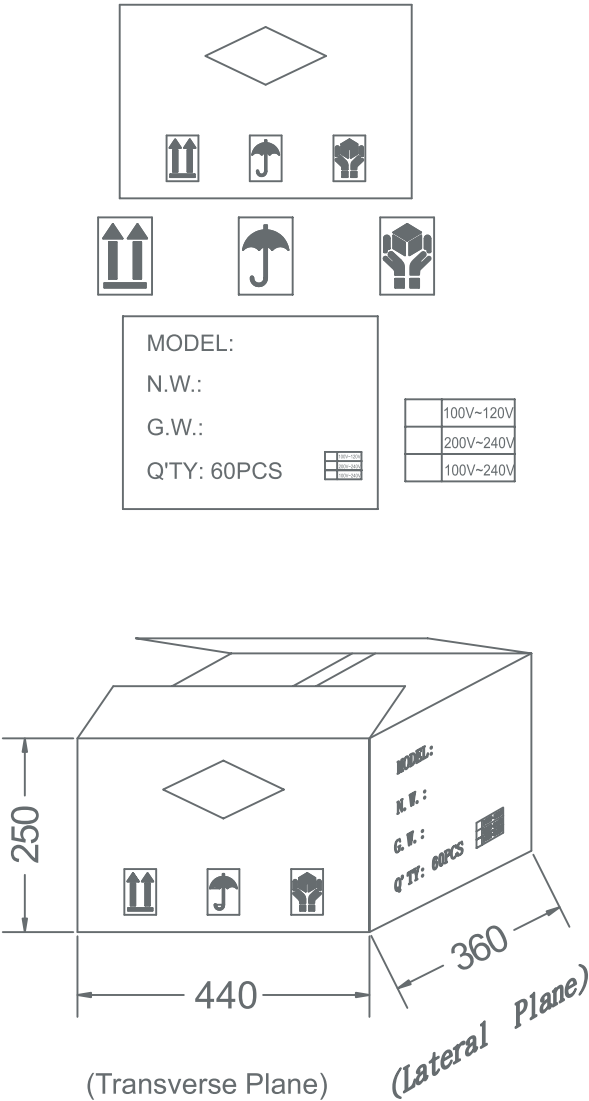
PE bag
Length :170
Width : 130



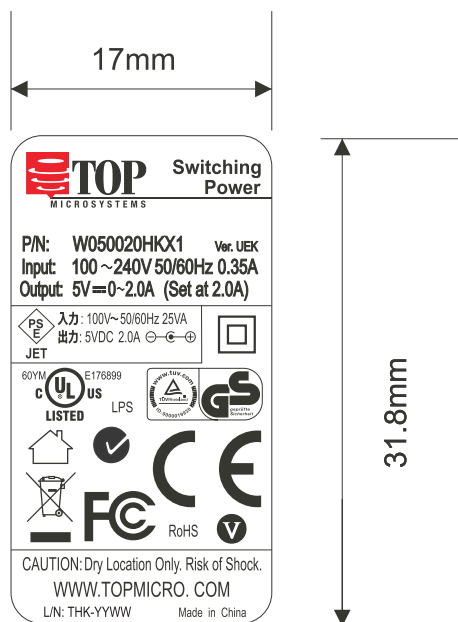
Inner Box
Length: 145
Width: 75
Height: 65

19.2 Outer Packing

UNIT: mm



20. Label



LOGO RULE

The line should slightly touch and originate from the bottom tip of logo symbol and extend all the way to the right-hand side edge of the label.



LEGEND

L/N means Lot Number

THK means factory code.

YY = production year (e.g. 11 for 2011, 12 for 2012)

WW = production week of a year (e.g. 19 for May 8 to 14, 20 for May 15-21)