

SPECIFICATION

Switching Wallmount Adapter Interchangeable AC Plugs

**90-264VAC Input
10W 5VDC 2.0A Output**

P/N: W050020HK-XP

**** Specification Approval****

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

Company Name

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1.0 INTRODUCTION

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

2.0 INPUT REQUIREMENTS

2.1 Input Voltage Range: 100(-10%)VAC to 240(+10%)VAC

2.2 Input Frequency Range: 47 Hz to 63 Hz

2.3 Input In-rush Current: 50A Max

2.4 Input Power Consumption at no-load : 0.5W MAX

2.5 Input Current: 0.35A Max

3.0 OUTPUT REQUIREMENTS

3.1 Output Voltage: +5V

3.2 Output Regulation: 4.90V-5.40V

3.3 Output Load Range: 0-2A

3.4 Output Ripple & Noise: 80mV Max @20MHz BANDWIDTH WITH
22UF/50V CAPACITANCE AND 104/50V CERAMIC CAPACITOR.

4.0 EFFICIENCY $\geq 70.72\%$ @ AVERAGE OF 25%/50%/75%/100% LOADS & 115V/ 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.

10.0 INSULATION RESISTANCE

Primary to secondary: 50MOHM to 500VDC.

11.0 PROTECTION

11.1 Input Protection

The switching power supply has a 1 amp inner current fuse.

11.2 Output Protection

11.2.1 Output Current:

Overload conditions shall decrease the output voltage.

Overload shall provide automatic recovery for the output voltage.

11.2.2 Short Circuit Protection: Auto Recovery.

11.2.3 Over Voltage Protection: 9.1V +/- 1V

12.0 ENVIRONMENTAL CONDITIONS

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 AND QUALITY CONTROL

14.1 Burn-in

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

15.0 SAFETY

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

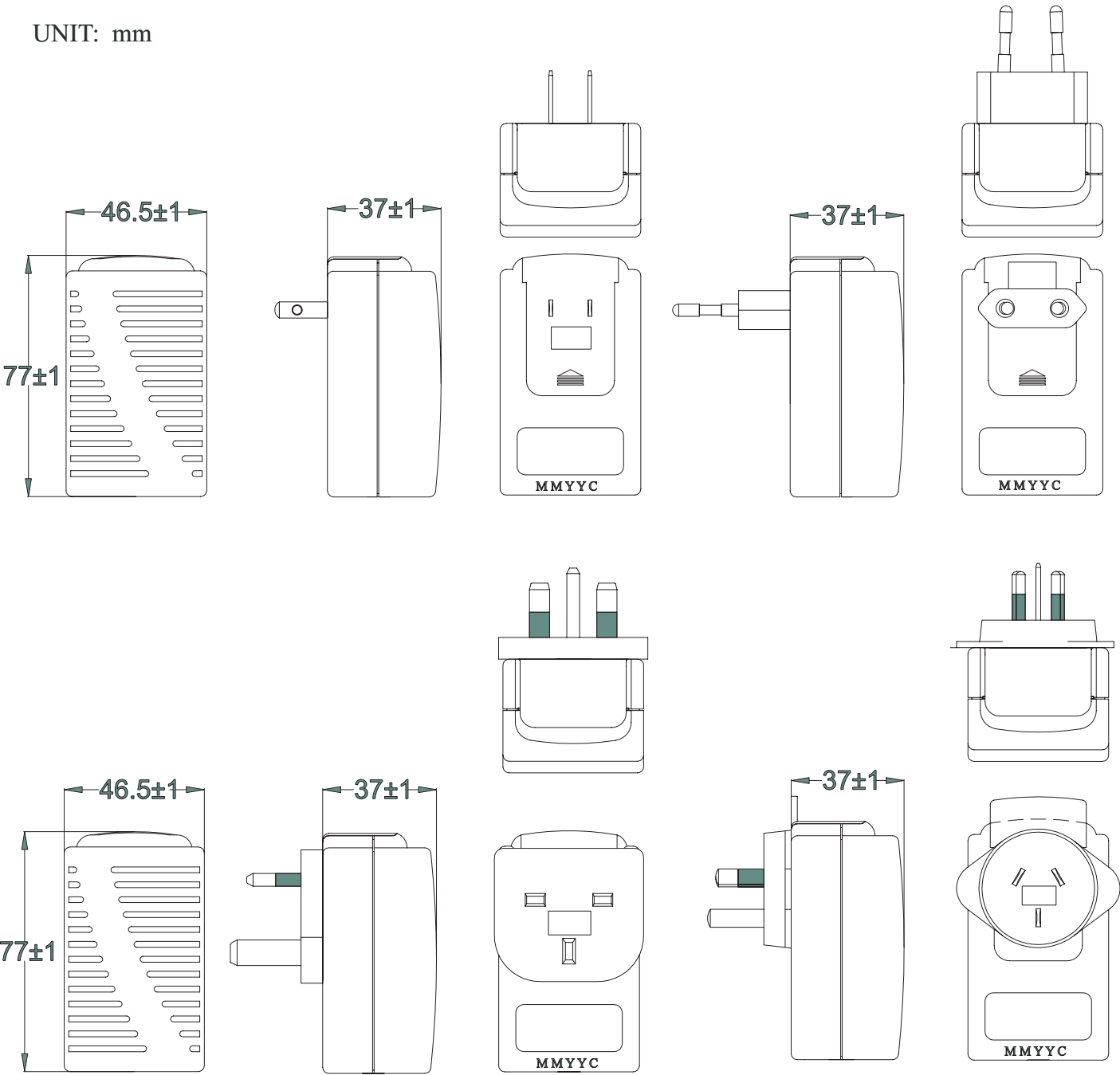
UL60950-1 (First Edition) CAN/CSA-C22.2 No.950-95

IEC60950-1: 2001, EN60950-1: 2001 AS/NZS60950-1

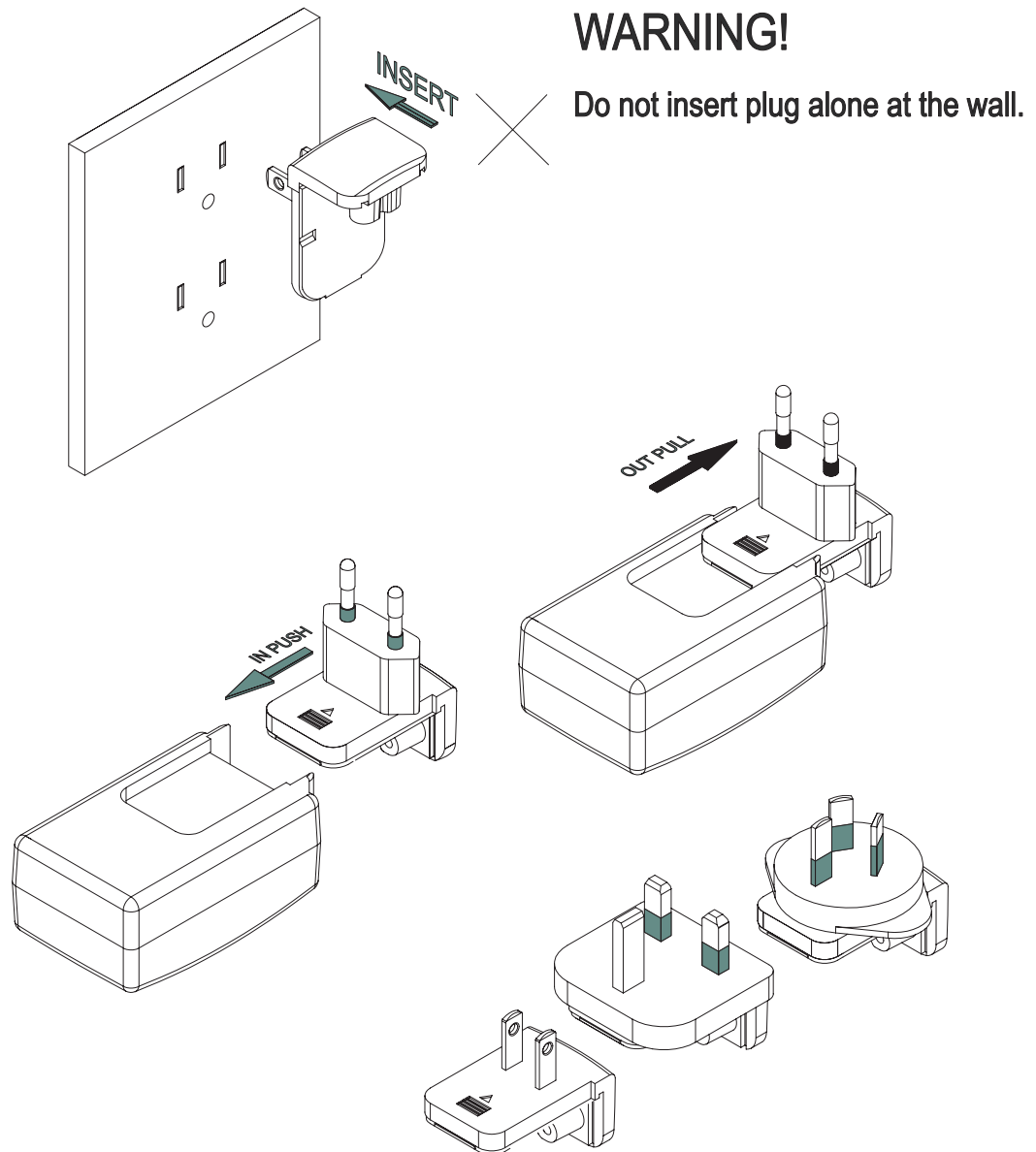
UNIT: mm



UNIT: mm



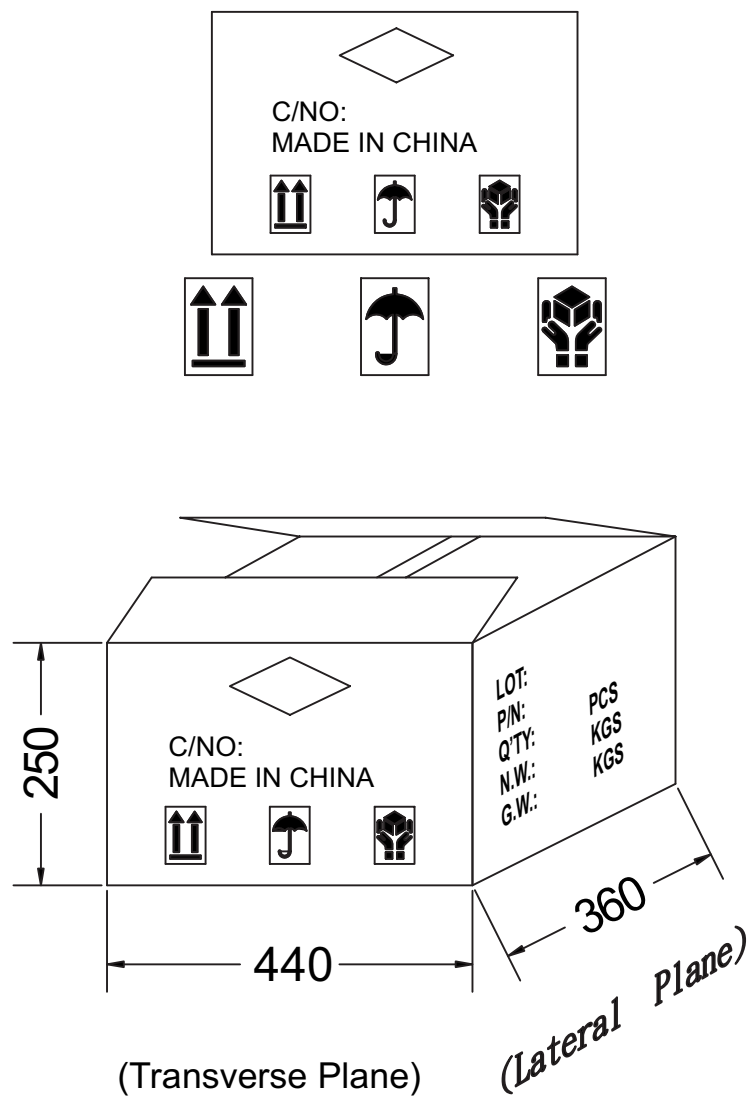
17. CAUTION



18. PACKING

18.2 Outer Carton

UNIT: mm



19. LABEL

UNIT: mm

0.2mm CPC NAME-PLATE: BLACK CHARACTERS WHITE BACKGROUND.

