

SPECIFICATION

High Quality Switching Wallmount Adapter Interchangeable AC Plugs

Universal AC Input
20W 5VDC 4.0A Output

P/N: W050040HK-XP

**** Specification Approval****

This specification (total 11 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 a output of +5V. 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 Power Consumption at no-load : 0.5W MAX

2.4 Input In-rush Current: 50A Max

2.5 Input Current: 0.8A Max

3.0 OUTPUT REQUIREMENTS

3.1 Output Voltage: +5V

3.2 Output Regulation: 4.75V-5.25V

3.3 Output Load Range: 0-4.0A

3.4 Output Ripple & Noise: 120mV Max @20MHz BANDWIDTH WITH
22UF/50V CAPACITANCE AND 104/50V CERAMIC CAPACITOR

4.0 EFFICIENCY: $\geq 76.96\%$ @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.

10.0 INSULATION RESISTANCE

Primary to secondary: 50MOHM to 500VDC.

11.0 PROTECTION

11.1 Input Protection

The switching power supply has a 2 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 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 been 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

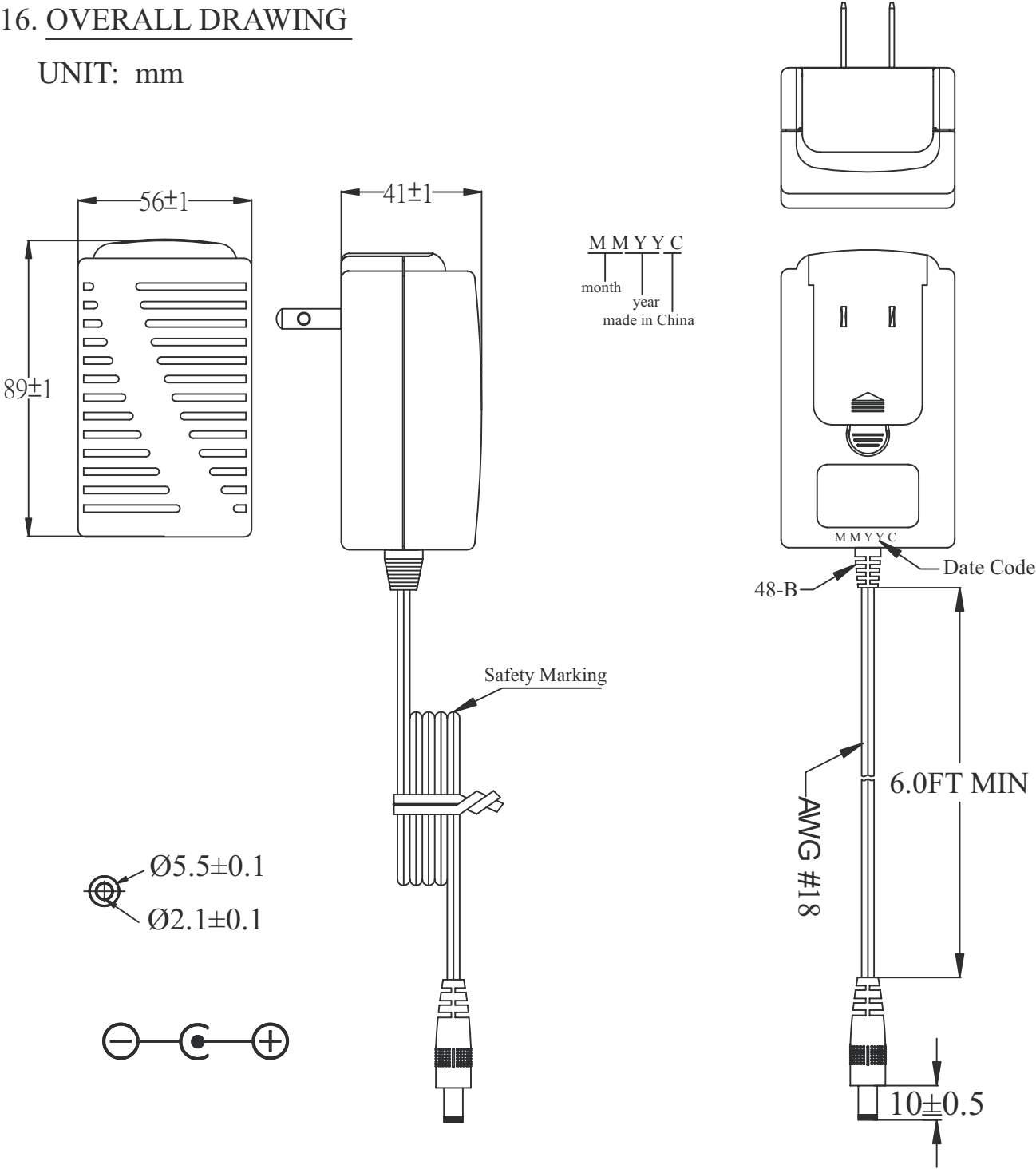
The switching power supply has been approved by the following safety standards:

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

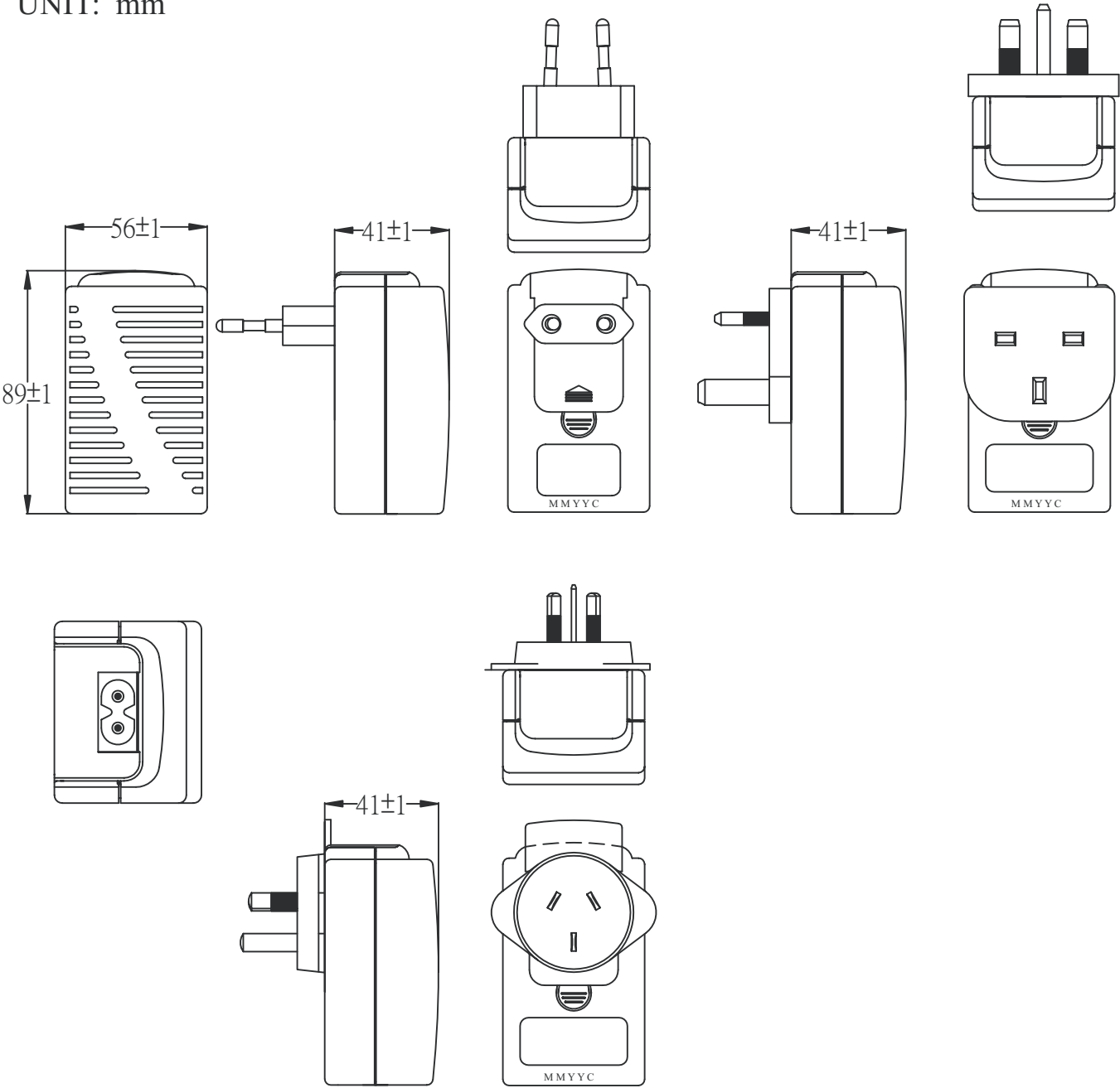
IEC60950-1: 2001, EN60950-1: 2001 AS/NZS60950-1

16. OVERALL DRAWING

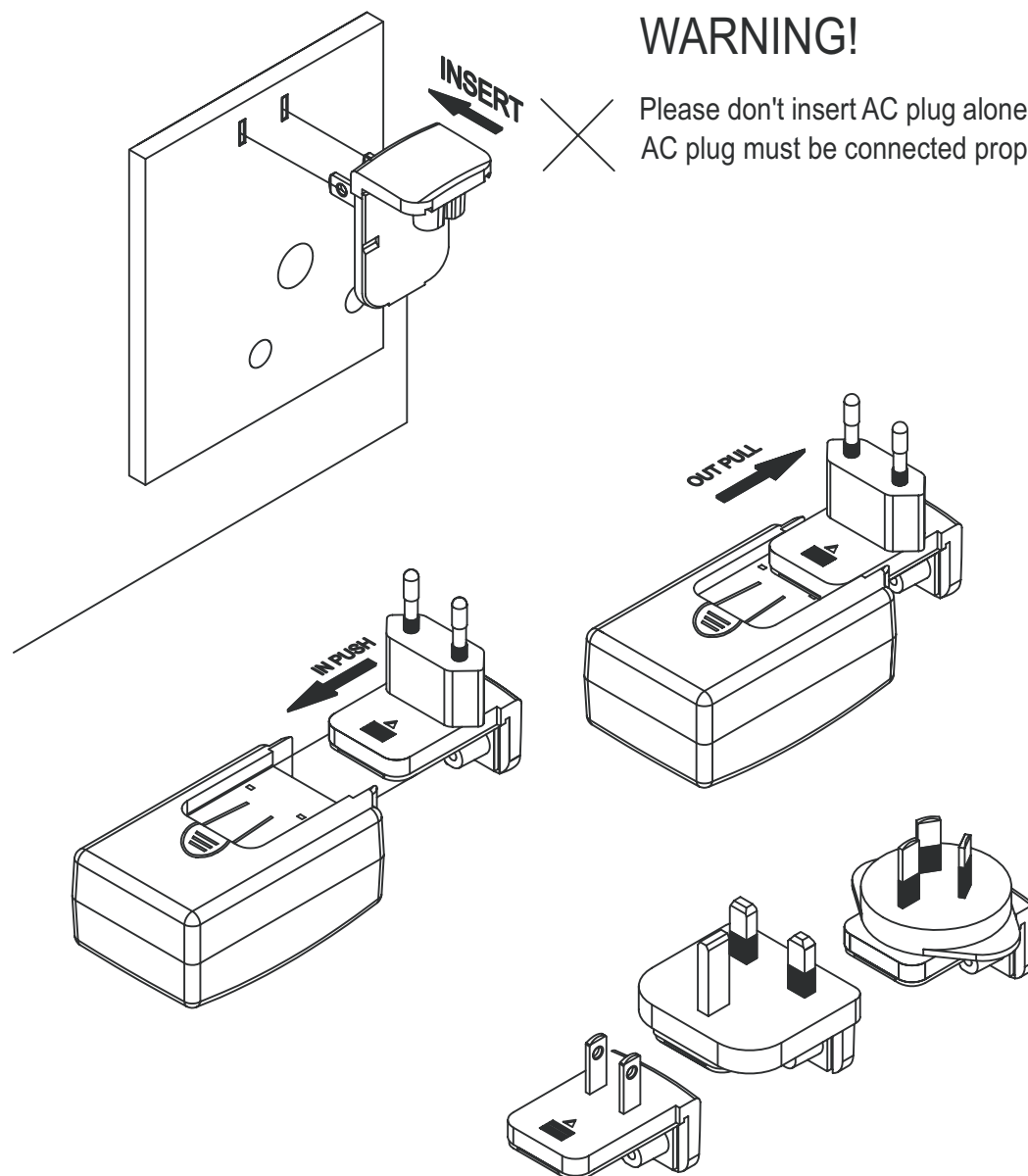
UNIT: mm



UNIT: mm



17. USE SPECIFICATION



18. PACKING

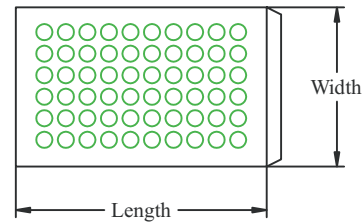
18.1 Inner Box

UNIT: mm

BUBBLE BAG

Length : 160

Width : 150

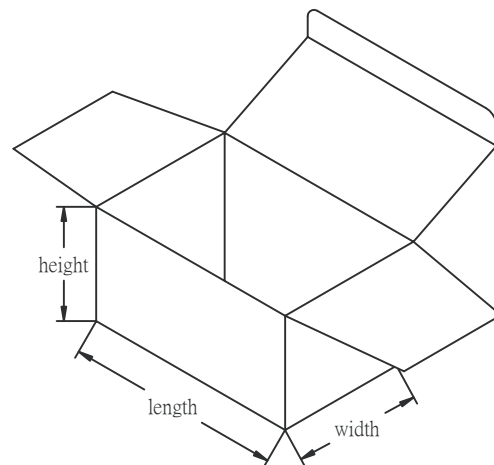


BOX

Length:145

Width:75

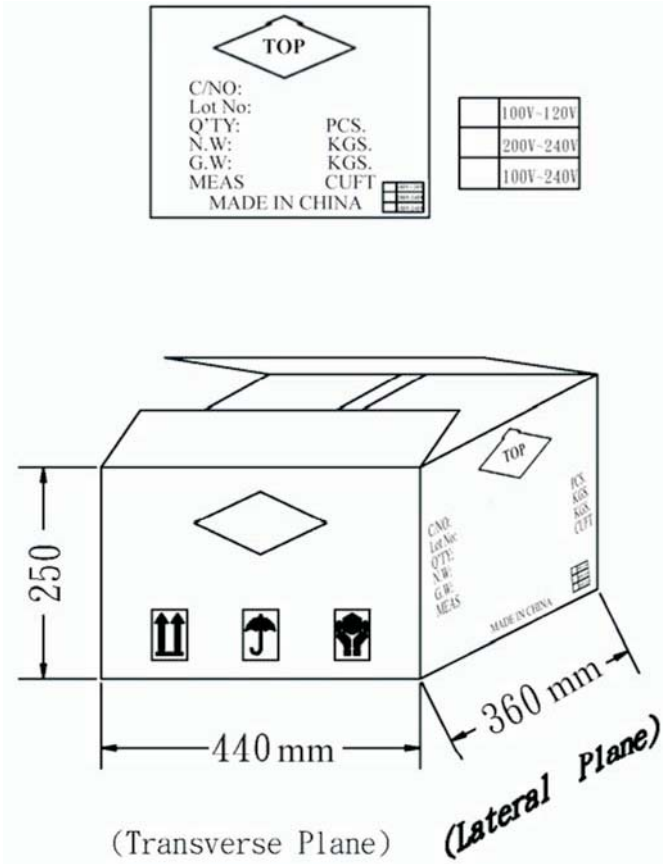
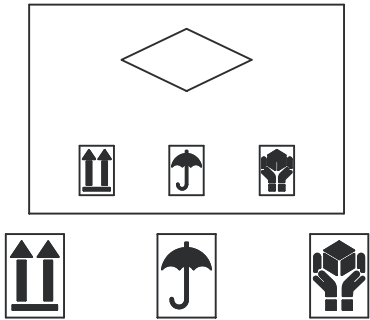
Height:65



18. PACKING

18.2 Carton

UNIT: mm



19. MARKING

UNIT: mm

R2.0

