



Coin Hopper

SMH

Super Mini Hopper
Installation Guide



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1. Introduction

1-1. Overview

Super Mini Hopper is a single denomination coin dispensing unit. Users can adjust coin dimension with different coin adjustment points. The design of Super Mini Hopper is easy operated, trouble-free and high reliable.

1-2. Features

- ◆ Double sensors, double protection.
- ◆ Easy maintenance.
- ◆ Easy installation.
- ◆ Coin size adjustable.
- ◆ Advanced coin low level detection.
- ◆ Compact design with enormous capacity.

2. Specifications

General

Dispensing Speed	12V: 5~7 coin/second 24V: 8~10 coin/second
Counting Method	Obstruct Sensor
Interface	Hopper Mode
Installation	Indoor

Electrical

Power Source	SMH-125XX 12V DC $\pm 5\%$ SMH-245XX 24V DC $\pm 5\%$
Power Consumption	Standby: 5mA Max: 4A
Operation Environment	Storage Temperature : -30°C~+70°C Operating Temperature : +5°C~+40°C

Mechanical

Outline Dimension	Refer to page. 6
Coin Capacity (coins)	Coin Box: Approx.550 Heighten Coin Box: Approx.500

Applicable Coin Size**A Type**

(Diameter) 20 mm~25 mm
(Thickness) 1.6 mm~2.4 mm

B Type

(Diameter) 26 mm~30 mm
(Thickness) 1.5 mm~2.0 mm

C Type

(Diameter) 20 mm~23 mm
(Thickness) 1.5 mm~2.1 mm

D Type

(Diameter) 20 mm~25 mm
(Thickness) 2.4 mm~3.3 mm

Low Level Coins

Coin Box: Approx.50 coins

Net Weight

Approx. 1.04 kg

3. Packing List**Main**

Super Mini Hopper

Accessory

Harnesses: Refer to 6-1
Super Mini Hopper Installation Guide

4. Model Number

SMH-	X	X	X	X	X	X
↑	↑	↑	↑	↑	↑	↑
A	B	C	D	E	F	G

A. Model Type:

4 TABLE 01

SMH	Super Mini Hopper
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B. Voltage:

4 TABLE 02

12	12V DC
24	24V DC

C. Control Board:

4 TABLE 03

1	Non Control Board
2	Control Board

D. Coin Box:

4 TABLE 04

2	Coin Box (A2905B-R)
1	Coin Box (A2685C-R)

E. Interface:

4 TABLE 05

H	Hopper Mode
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F. Applicable Coin Size:

4 TABLE 06

A	A Type
B	B Type
C	C Type
D	D Type

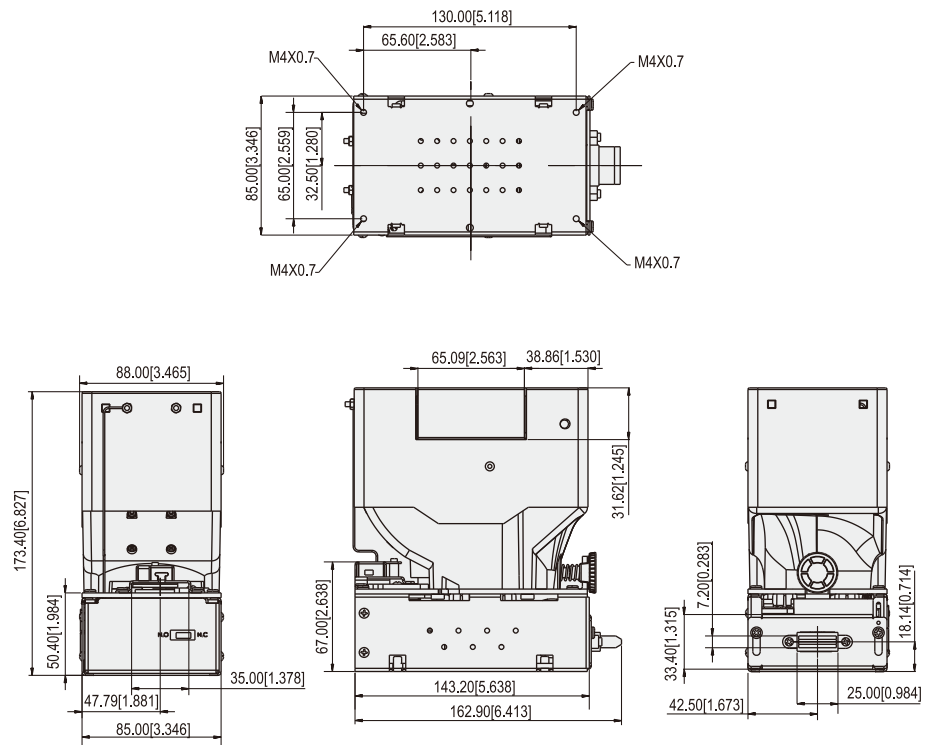
G. Signal Wire Specification:

4 TABLE 07

1	Hi Level Signal Wire Length 30cm
A	Non Hi Level Signal Wire
B	Non Hi Level Signal Wire & Low Level Signal Wire

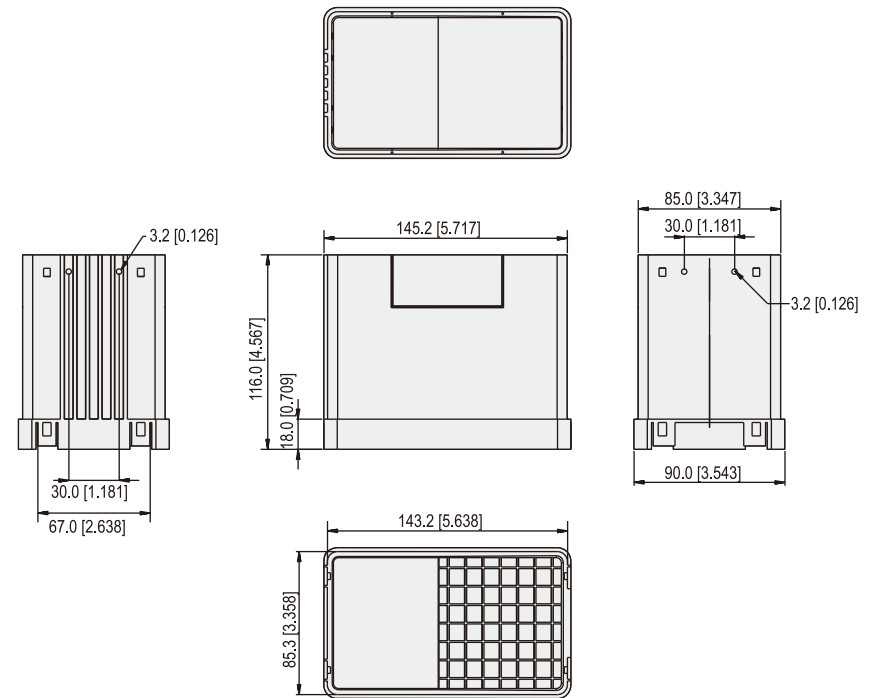
5. Dimension

Coin Box



Unit : mm [inch]
5 FIG.01

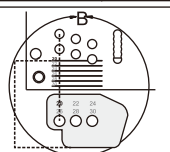
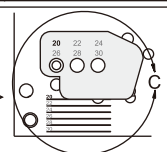
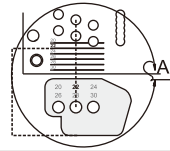
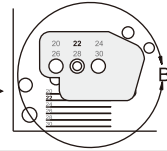
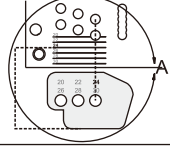
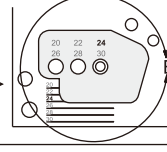
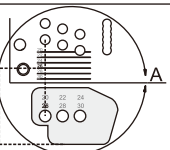
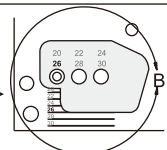
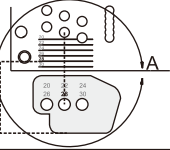
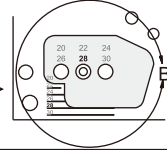
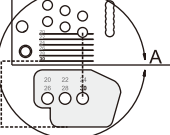
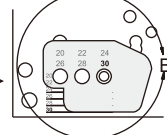
Heighten Coin Box



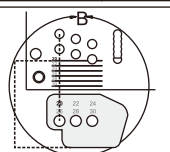
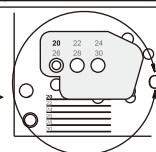
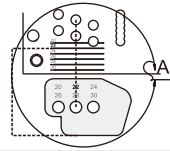
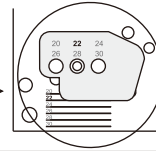
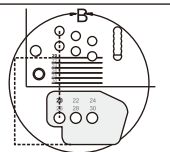
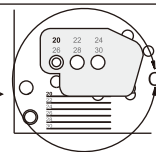
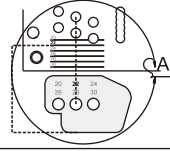
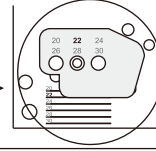
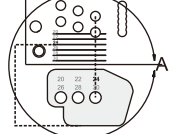
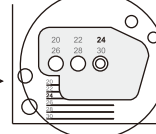
Unit : mm [inch]
5 FIG.02

5-1. Adjustment Coin Dimensions

5-1 TABLE01

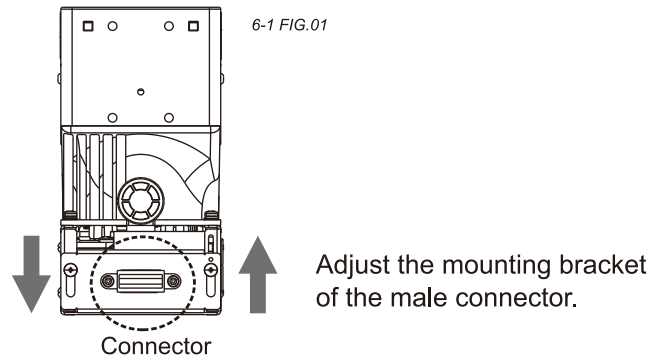
Model Type		Applicable Coin Size		
Type A	Diameter	20mm~25mm	Thickness	1.6mm~2.4mm
20mm	Diameter			
	20mm~22mm			
	Thickness			
	1.6mm~2.4mm			
22mm	Diameter			
	22mm~24mm			
	Thickness			
	1.6mm~2.4mm			
24mm	Diameter			
	24mm~25mm			
	Thickness			
	1.6mm~2.4mm			
Type B	Diameter	26mm~30mm	Thickness	1.5mm~2.0mm
26mm	Diameter			
	26mm~28mm			
	Thickness			
	1.5mm~2.0mm			
28mm	Diameter			
	28mm~30mm			
	Thickness			
	1.5mm~2.0mm			
30mm	Diameter			
	30mm			
	Thickness			
	1.5mm~2.0mm			

5-1 TABLE02

Model Type		Applicable Coin Size		
Type C	Diameter	20mm~23mm	Thickness	1.5mm~2.1mm
20mm	Diameter			
	20mm~22mm			
	Thickness			
	1.5mm~2.1mm			
22mm	Diameter			
	22mm~23mm			
	Thickness			
	1.5mm~2.1mm			
Type D	Diameter	20mm~25mm	Thickness	2.4mm~3.3mm
20mm	Diameter			
	20mm~22mm			
	Thickness			
	2.4mm~3.3mm			
22mm	Diameter			
	22mm~23mm			
	Thickness			
	2.4mm~3.3mm			
24mm	Diameter			
	24mm~25mm			
	Thickness			
	2.4mm~3.3mm			

6. Installation

6-1. Connection



6-1 FIG.02

Interface	Used Voltage	Usage
Pulse	12V/ 24V DC	Power & *Data Comm.

WEL-RHP21

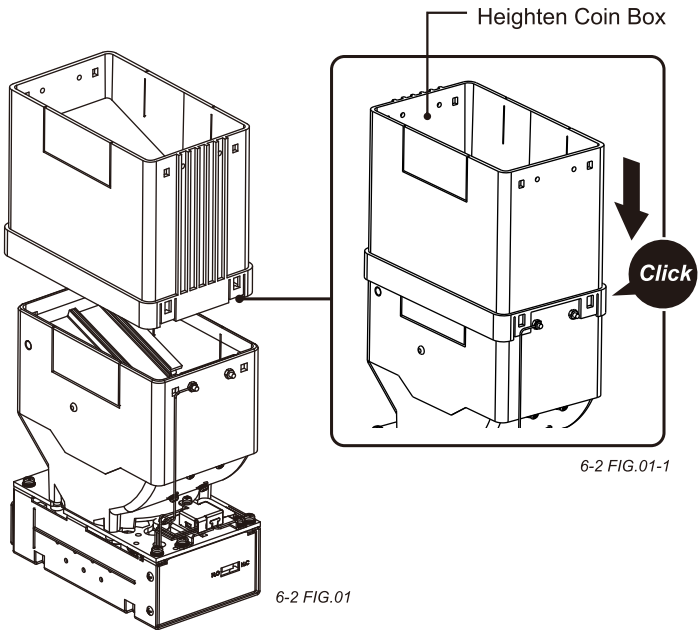
CNT-A016

CNT-A016 BACK VIEW

PIN 1- BLACK	MOTOR-
PIN 3- ORANGE	VDC
PIN 5- YELLOW	SENSOR OUPUT
PIN 7- GREEN	GND
PIN 8- BLUE	COIN_LO_LEVEL
PIN 9- RED	MOTOR+
PIN 11- PURPLE	COIN_HI_LEVEL
PIN 14- WHITE	CASE GND
PIN 16- BROWN	CASE GND

6-2. Heighten Coin Box Installation

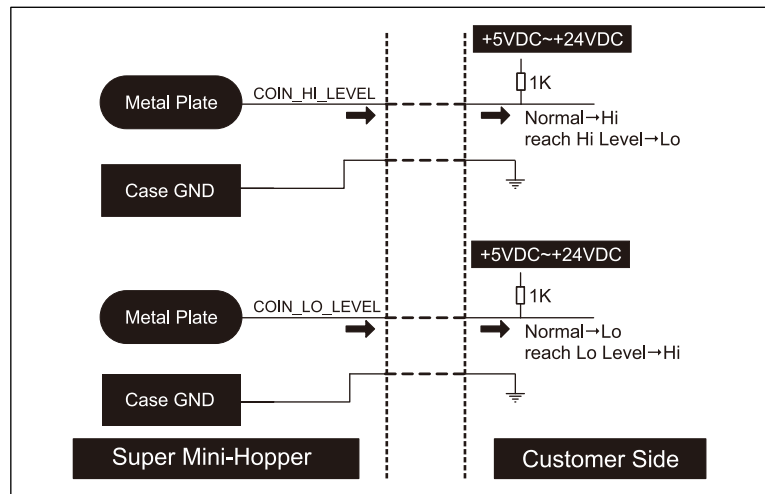
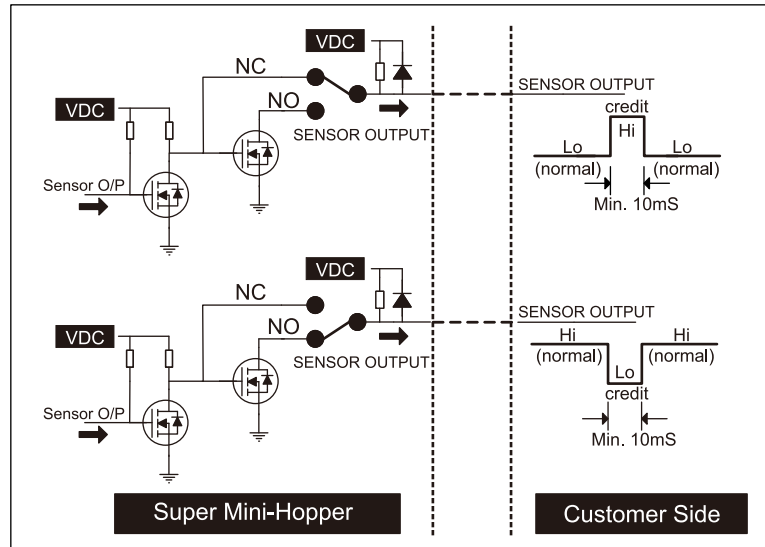
Install heighten coin box from top of the coin box, press it down until the “click” sound.



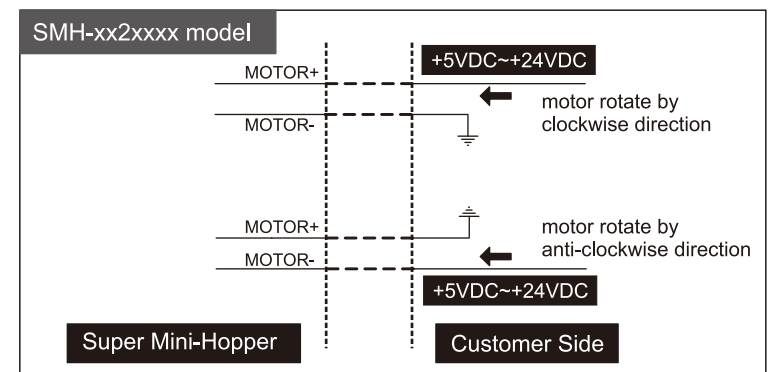
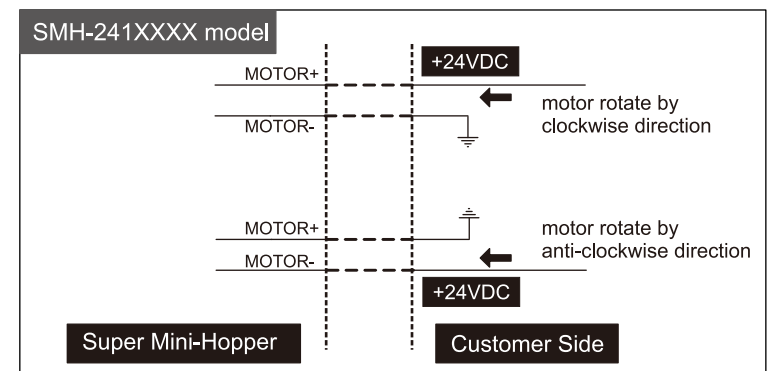
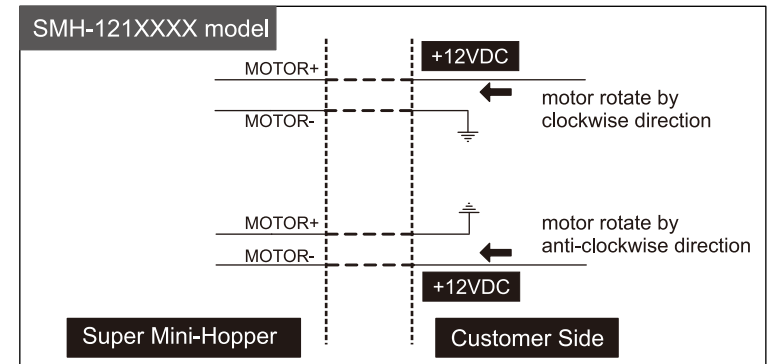
Note: The Heighten Coin Box is an optional part, for purchasing, please contact ICT.

6-3. I/O Circuit

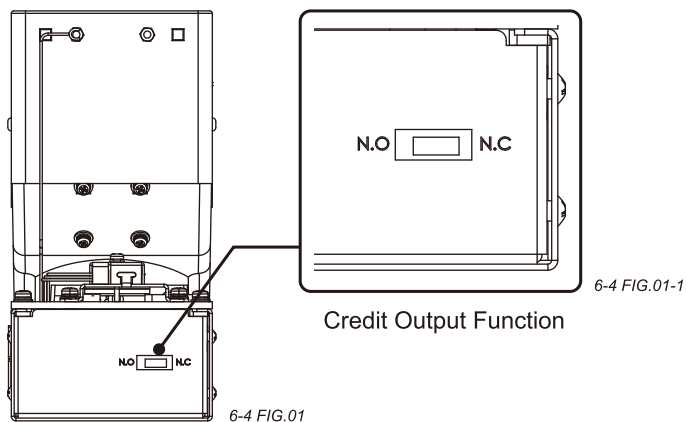
6-3 FIG.01



6-3 FIG.02



6-4. Credit Output Setting



Credit Output Setup:

N.O ☒ N.C

Credit Output Setup	
N.C	Normal Low
N.O	Normal High

6-4 TABLE 01

★

(★) Default



Please setup credit voltage according to input voltage, the default value is suggested; for exceptions, please contact ICT.

7. Maintenance

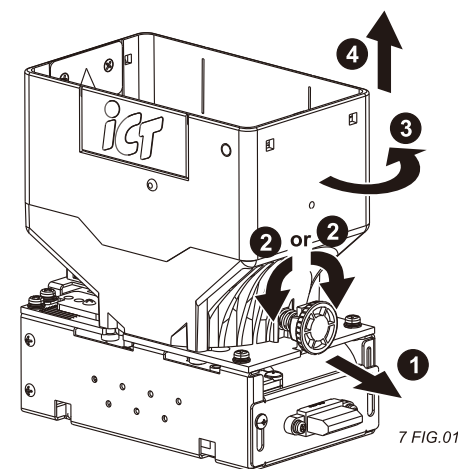
To make sure Super Mini Hopper always works smoothly, please clean the internal parts from every two weeks to every two months.



Please make sure Super Mini Hopper is OFF before cleaning.

To clean the internal parts:

1. Remove the coin box. (As figure below)
2. Use a dry, soft cloth or brush to clean internal parts and coin path.
3. Use a dry, soft cloth or towel to clean the coin box.



Maintenance Notice

(Any improper maintenance will result invalid warranty.)

Recommended	Mild, non-abrasive, soap water.
DO NOT USE	Organic solvent , Alcohol, Volatile liquid.



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