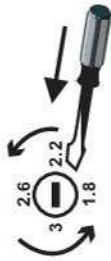


HI-11UCSG / HI-11FCSG TECHNICAL BOOKLET

THICKNESS ADJUSTMENT

If you need to adjust the thickness of coins to be accepted, just use a small slotted screwdriver, plug into the slot and rotate to fit the thickness you want.



RECORD MODE

If you want to enter the record mode, set DIP4, DIP5 of the DIP SWITCH to "ON" positions. Then turn on the power.



SELECT OUTPUT PULSE WIDTH

If you want to appoint the pulse width (50ms or 100ms, default setting is 100ms), you must enter the "RECORD MODE" first. Then set DIP4 to the following position.



1.50ms: DIP4 to "OFF"

2.100ms: DIP4 to "ON"

After appointing the pulse width, Enter the "MEMORIZE COINS" item to begin memorizing the coins.

CLEAR RECORD FOR SINGLE CHANNEL

The multi coin selector has 8 channels to record. Its 8 channels represent it can record 8 kinds of coins separately. If you want to clear a channel, please proceed as follows:

Steps	Channel 1 (Coin 1)	Channel 2 (Coin 2)	Channel 3 (Coin 3)	Channel 4 (Coin 4)	Channel 5 (Coin 5)	Channel 6 (Coin 6)	Channel 7 (Coin 7)	Channel 8 (Coin 8)
A	00011	10011	01011	11011	00111	10111	01111	11111
B	Switch on	Switch on	Switch on	Switch on	Switch on	Switch on	Switch on	Switch on
C	00010	10010	01010	11010	00110	10110	01110	11110
D	00011	10011	01011	11011	00111	10111	01111	11111
	OK	OK	OK	OK	OK	OK	OK	OK

Turn off the power for the next operation as soon as steps A,B,C,D is complete.



MEMORIZE COINS

- You must enter the "RECORD MODE" first. Then make sure which channel you want to save by setting DIP1, DIP2, DIP3 to the appropriate positions. Then insert 10 coins of the same currency and makings. The coin selector magnet will operate three times to indicate a correct operation. Then be sure to turn the power off for the next operation.
- If another different coins is necessary to memorize, please repeat the operation above-mentioned again.
- If some channels of the set were memorized some time ago, please clear the records for all channels first.

Steps	Channel 1	Channel 2	Channel 3	Channel 4	Channel 5	Channel 6	Channel 7	Channel 8
A	00011	10011	01011	11011	00111	10111	01111	11111
B	Coin 1 Insert 10 coins	Coin 2 Insert 10 coins	Coin 3 Insert 10 coins	Coin 4 Insert 10 coins	Coin 5 Insert 10 coins	Coin 6 Insert 10 coins	Coin 7 Insert 10 coins	Coin 8 Insert 10 coins
C	3 clicks	3 clicks	3 clicks	3 clicks	3 clicks	3 clicks	3 clicks	3 clicks
D	Switch off	Switch off	Switch off	Switch off	Switch off	Switch off	Switch off	Switch off

RATIO LIST CHOICES

- Under "OPERATION MODE", the switch DIP3, DIP2, DIP1 positions are assigned to 8 ratio lists.
- Under "RECORD MODE", the switch DIP3, DIP2, DIP1 positions are assigned to 8 coin channels.

Operation Mode	List 1	List 2	List 3	List 4	List 5	List 6	List 7	List 8	Other Output Terminal
	Pulse Output Count	00000	10000	01000	11000	00100	10100	01100	
Coin 1	1/2	1/4	1	1	1/2	1	1	1	Output ch1
Coin 2	1	1/2	1	1	1	1	1	1	Output ch2
Coin 3	1	1/2	2	2	1	3	2	1+1/2	Output ch3
Coin 4	2	1	4	2	2	5+1	4+1	2+1	Output ch4
Coin 5	4	2	8	4	4+1	10+2	5+1	4+2	Output ch5
Coin 6	5	2	2	4	NA	NA	8+2	5+2	Output ch6
Coin 7	8	4	10	10	NA	NA	10+2	NA	Output ch6
Coin 8	10	5	10	10	NA	NA	NA	NA	Output ch6

- Under list 1, insert one coin of the 1th kind, the value "1/2" will be memorized in the set. Then insert one coin of the 1th kind again, the new value "1/2" will be added to the previous "1/2", hence the set outputs "1" pulse. To this analogizes. Insert one coin of the 6th kind, the set outputs "5" pulses.

- The pulses generated above-mentioned output via "IMPULSE" from the control board (pcb-09-2). Besides, one coin being inserted will output "one" pulse via "output ch" corresponded to its coin channel (see Impulse and channel ratio table). For example: Under "channel 5" with "ratio list 3". Insert one coin will result in outputting 8 pulses via "IMPULSE" from the control board, and outputting 1 pulse via "output ch5" simultaneously.

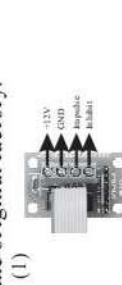
※ If the ratio table can't meet customer requirements, please contact the original factory.

OPERATION MODE

- Set DIP4, DIP5 to the "OFF" position when the power is off.
- Turn on the power, and set the DIP3, DIP2, DIP1 positions to correspond the ratio list you need.
- Now you can start using the multi coin selector.

THREE OUTPUT INTERFACE

- 10p signal cable + control board for HI-11FCSG/HI-11UCSG
- 5p signal wire use for HI-11FCSG connecting to game board and meter.
- 6p signal wire use for HI-11UCSG connecting to game board and meter.



(1)



(2)

(3)



(3)

MULTI-COIN SELECTOR

HI-11UCSG / HI-11FCSG (Front inserting type) V3.3 (500)



Feature

- *Support 8 channels (coins) self-programming without PC.
- *With an inhibit wire for game board.
- *With 6 ch. Parallel output for each channel (coin) control.
- *Support one coin then multi pulse output (impulse out ratio).
- *With narrow or wide impulse width select (100ms and 50ms).
- *Adjustable 4 kinds of coin thickness.
- *NC, NO switch function selection.
- *Supports PC connection modify the Ratio and Coin data and can administration of accounts.

Specifications:

Parameter	Specifications
Power	Input DC 10~15V, 300mA max standby 60mA
	Consumption 5.0 Watts max standby 0.6 watts.
Signals	Impulse Multi pulse (NC or NO)
	Inhibit Input High enable(+3v~+15v)
Connector	Out 1~6 Output 1 pulse/coin
	Con2 Input/output 4pin male Extend connect port
	Con5 Input/output 11FCSG 5 pin male General I/O port
	Con5 Input/output 11UCSG 6 pin male General I/O port
	CONTR Input/output 4pin male UART
User controls	S1 NC or NO Select 5-ch dip-switch Sw1,Sw2,Sw3 for channel or impulse ratio select. Sw4,Sw5 for mode and other function select.
Overall Dimension (HXWXD)	HI-11UCSG:102x99x55mm HI-11FCSG:124.5x120.5x64.5mm
Speed of acceptable	Max6 coins/second.
Coin size (mm)	Diameter 18mm~30mm
	Thickness Adjust Position 1.8 2.2 2.6 3
Working temperature	Thickness Tange 1.2~2.0 1.2~2.4 1.2~2.8 1.2~3.0
	5°C ~ 50°C
Weight	HI-11UCSG:240g HI-11FCSG:300g

Operation mode: Before switching on the dc power, Set DIP 4, DIP 5 to the "OFF" position.
Impulse and channel ratio table (500)

DIP Sw3,2,1	Multi coin mode								Out
	XXX	XXO	XOX	XOO	OOX	OXO	OOO	OOO	
Channel (Coin)	1	2	3	4	5	6	7	8	
Ratio	1/2	1/4	1	1/2	1/2	1/2	1/4	1	
1XXX	1	1/2	1	1	1	1	1/2	1/2	1
2XXX	1	1/2	2	2	1	3	2	1+1/2	3
3XXX	2	1	4	2	2	5+1	4+1	2+1	4
4XOO 1S	4	2	8	4	4+1	10+2	5+1	4+2	5
5OXX 2S	5	2	8	4	NA	NA	8+2	5+2	6
6OXX	8	4	10	10	NA	NA	10+2	NA	6
7OXX	10	5	10	10	NA	NA	NA	NA	6
8OXX	10	5	10	10	NA	NA	NA	NA	6

* DIP SW "X" means off, "O" means on

Accessory

- HI-11UCSG or HI-11FCSG X1
- Control board (pcb-09-2) X1
- 10p Signal cable X1
- User manual X1
- Screw bag (HI-11FCSG-1 only) X1
- 5P (11F) or 6P (11U) Signal wire X1

Installation

Case 1:

Using 10p signal cable connect HI-11UCSG/HI-11FCSG to control board (pcb-09-2). And need 4 wires connect control board (pcb-09-2) to game board.

The 4 wires define as below:

1. +12V: for dc power (12 volt).
2. GND: for dc power (ground).
3. IMPULSE: for credit signal (output signal).
4. INHIBIT: control by game board for enable or disable coin selector (input).

Case 2:

Using 5P or 6P signal wire connect to HI-11UCSG/HI-11FCSG another end connect to game board and meter.

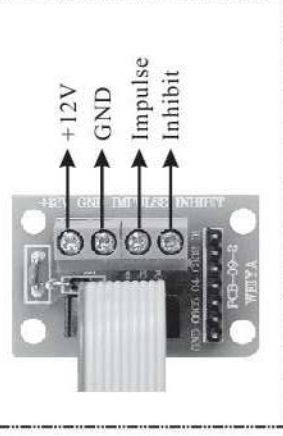
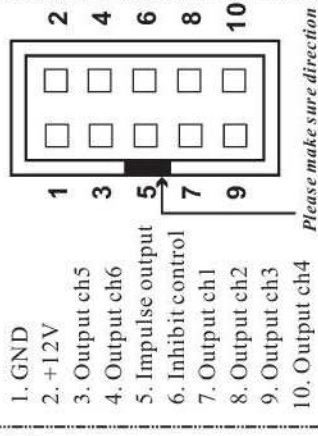
The 5P wire define as below (HI-11FCSG only)

1. +12V
2. Counter (Meter)
3. GND
4. Impulse (Credit)
5. Inhibit



Record mode: Before switching on the dc power, set DIP 4, DIP 5 to the "ON" position.

DIP SW	Function	Select	Action
DIP Sw4	Coin signal width (impulse)	X	Record 50ms impulse
		O	Record 100ms impulse
DIP Sw5	Blank	O	Normal
		O→X→O	Makes channel data Blank



The 6P wire define as below (HI-11UCSG only)

1. GND
2. +12V
3. +12V
4. Counter (Meter)
5. Impulse (Credit)
6. Inhibit

