NEW MULTI-COIN SELECTOR

HI-11UCSG / HI-11FCSG FOR EURO COIN

(Drop inserting type) (Front inserting type) V3.3 (500)

Operation mode: Before switching on the dc power, Set DIP 4,DIP 5 to the "OFF" position.

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

Impulse and channel ratio table (500)

Mode TOTALISATEUR									Out
DIP Sw 1 2 3	000	100	010	110	001	101	011	111	
	Impulsions de Sortie				Impulsions de Sortie (avec bonus)				
Channel(Coin)	A	B	C	D	E	F	G	H	
1	1/2	1/4	1	1	1/2	1/2	1/2	1/4	1
2	1	1/2	1	1	1	1	1	1/2	2
3 50 Cts	1	1/2	2	1/4	1	1/2	2	1+1/2	3
4 1€	2	1	4	1/2	1	1	4+1	2+1	4
5 2€	4	2	8	1	4+1	3	5+1	4+2	5
6	4	2	8	4	NA	NA	8+2	5+2	6
7	8	4	10	10	NA	NA	10+2	NA	6
8	10	5	10	10	NA	NA	NA	NA	6

DIP Switches : 0 = OFF , 1 = ON

1. GND
2. +12V
3. Output ch5
4. Output ch6
5. Impulse output
6. Inhibit control
7. Output ch1
8. Output ch2
9. Output ch3
10. Output ch4

Please make sure direction

+12V
GND
Impulse
Inhibit

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.

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)
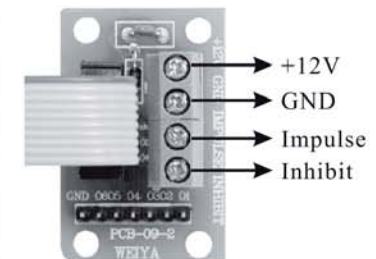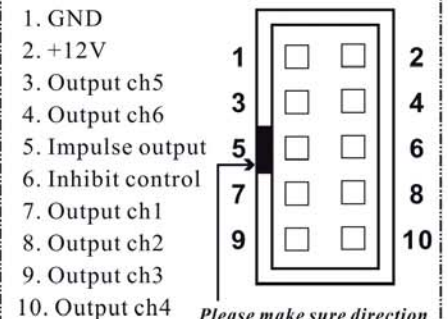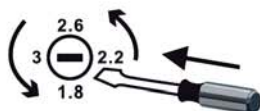3. GND
4. Impulse (Credit)
5. Inhibit

The 6P wire define as below (HI-11UCSG only)
1. GND
2. +12V
3. +12V
4. Counter (Meter)
5. Impulse (Credit)
6. Inhibit

Specifications:

Parameter			Specifications				
Power	Input		DC 10~15V, 300mA max standby 60mA				
	Consumption		5.0 Watts max standby 0.6 watts.				
Signals	Impulse	Output	Multi pulse (NC or NO)				
	Inhibit	Input	High enable(+3v~+15v)				
	Out 1~6	Output	1 pulse/coin				
Connector	Con2	Input/output	4pin male		Exfend 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 5-ch dip-switch		NC or NO Select Sw1,Sw2,Sw3 for channel or impulse ratio select. Sw4,Sw5 dor 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	Position	1.8	2.2	2.6	3	
	Adjust	Thickness Tange	1.2~2.0	1.2~2.4	1.2~2.8	1.2~3.0	
Working temperature	5℃ ~ 50℃						
Weight	HI-11UCSG:240g HI-11FCSG:300g						

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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.

(ON) 1
(OFF) 0

MEMORIZE COINS

1.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.

2.If another different coins is necessary to memorize, please repeat the operation above- mentioned again.

3.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

1.Under "OPERATION MODE", the switch DIP3, DIP2, DIP1 positions are assigned to 8 ratio lists.

2.Under "RECORD MODE". the switch DIP3, DIP2, DIP1 positions are assigned to 8 coin channels.

Impulse and channel ratio table (500)

Mode TOTALISATEUR									Out
DIPSw 1 2 3	000	100	010	110	001	101	011	111	
	Impulsions de Sortie				Impulsions de Sortie (avec bonus)				
Channel(Coin)	A	B	C	D	E	F	G	H	
1	1/2	1/4	1	1	1/2	1/2	1	1/4	1
2	1	1/2	1	1	1	1	1	1/2	2
3 50 Cts	1	1/2	2	1/4	1	1/2	2	1+1/2	3
4 1 €	2	1	4	1/2	2	1	4+1	2+1	4
5 2 €	4	2	8	1	3	3	5+1	4+2	5
6	5	2	8	4	NA	NA	8+2	5+2	6
7	8	4	10	10	NA	NA	10+2	NA	6
8	10	5	10	10	NA	NA	NA	NA	6

DIP Switches : 0 = OFF , 1 = ON

3.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.

4.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.
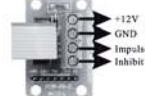
OPERATION MODE

1.Set DIP4, DIP5 to the "OFF" position when the power is off.

2.Turn on the power, and set the DIP3, DIP2, DIP1 positions to correspond the ratio list you need.

3.Now you can start using the multi coin selector.

THREE OUTPUT INTERFACE

(1) 10p signal cable + control board for HI-11FCSG/HI-11UCSG

(2) 5p signal wire use for HI-11FCSG connecting to game board and meter.

(3) 6p signal wire use for HI-11UCSG connecting to game board and meter.

(1)
+12V
GND
Impulse
Inhibit

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

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

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