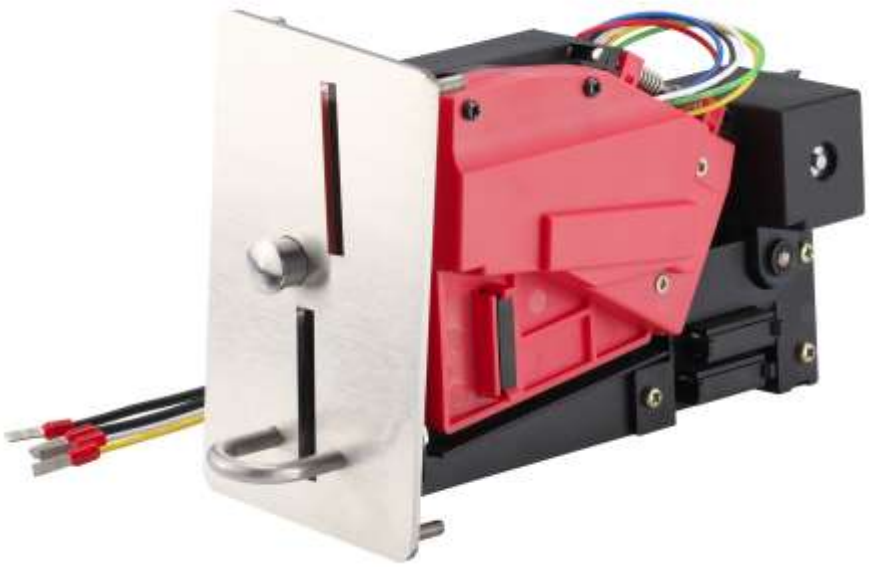
HR-68

RFID Token Acceptor



顯泰 通信工業有限公司

HENTEL TELECOMMUNICATION CO., LTD.

No. 6 , Alley 19 , Lane 49, Guoquing Rd., Banqiao Dist. New Taipei City, Taiwan

TEL: 886-2-29623391 / FAX: 886-2-29623857

E-mail:hentel@ms7.hinet.net Website: http://www.hentel.com.tw/

1. Spec.

Electrical Spec.	
Power Source	12 ~ 24 VDC or 12 ~ 24 VAC
Power Consumption -Standby	0.6W
Power Consumption - Max	8.4W
Interface	Pulse

2. Feature

● Spec. of RFID Token :

Mifare electronic coin / ISO14443A / Operating frequency 13.56MHz

There are four types of deducted amount for option.

● Built-in six types of inhibited transaction mode
1. The 1st Inhibited transaction time
2. The 2nd Inhibited transaction time
3. The 3rd Inhibited transaction time
4. The 4th Inhibited transaction time
5. Depending on Inhibited signal
6. Non-Inhibited transaction

● Built-in two types of Pulse output mode (Normal High / Low)
● Built-in three types of Pulse width (T1 / T2)
● Built-in four types of Pulse output number
● Built-in four types of max top-up amount
● Built-in four types of deduction amount
It can record transaction time
Built-in buzzer to indicate success or failure for transaction
Built-in Watchdog to make sure it can work well
● When balance amount of RFID Token is lower than deduction amount, it will stop transaction.

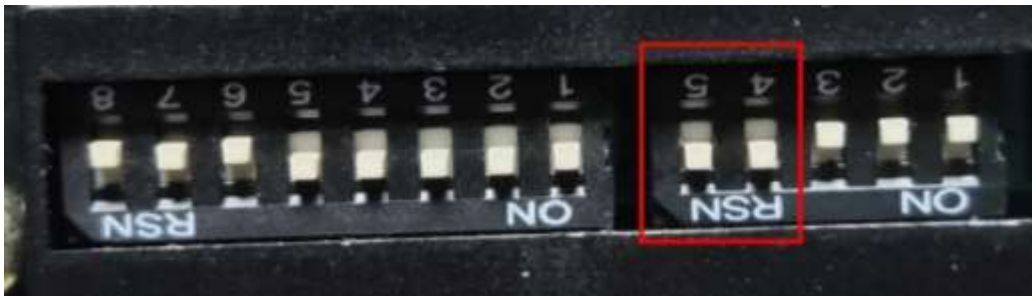
3. How to operate user interface:

Dip Switch	5-1	5-2	5-3	5-4	5-5	Description (5 Dip Switch)
	0	x	x	x	x	Device firmware upgrade (DFU)
	1	0	x	x	x	Parameter transport
	1	1	0	x	x	self test
	1	1	1	1	1	The 4th Max. top-up amount
	1	1	1	1	0	The 3rd Max. top-up amount
	1	1	1	0	1	The 2nd Max. top-up amount
	1	1	1	0	0	The 1st Max. top-up amount

Dip Switch	8-1	8-2	8-3	8-4	8-5	8-6	8-7	8-8	Description (8 Dip Switch)
	1	1	x	x	x	x	x	x	Pulse number/ the 4th deduction amount
	1	0	x	x	x	x	x	x	Pulse number/ the 3rd deduction amount
	0	1	x	x	x	x	x	x	Pulse number/ the 2nd deduction amount
	0	0	x	x	x	x	x	x	Pulse number/ the 1st deduction amount
	x	x	1	1	x	x	x	x	The 3rd Pulse Width
	x	x	1	0	x	x	x	x	The 3rd Pulse Width
	x	x	0	1	x	x	x	x	The 2nd Pulse Width
	x	x	0	0	x	x	x	x	The 1st Pulse Width
	x	x	x	x	1	x	x	x	Pulse mode - Normal high
	x	x	x	x	0	x	x	x	Pulse mode - Normal low
	x	x	x	x	x	1	1	1	Non-Inhibited transaction
	x	x	x	x	x	1	1	0	Non-Inhibited transaction
	x	x	x	x	x	1	0	1	Non-Inhibited transaction
	x	x	x	x	x	1	0	0	Depending on Inhibited signal
	x	x	x	x	x	0	1	1	The 4th inhibited transaction mode
	x	x	x	x	x	0	1	0	The 3rd inhibited transaction mode
	x	x	x	x	x	0	0	1	The 2nd inhibited transaction mode
	x	x	x	x	x	0	0	0	The 1st inhibited transaction mode

3-1 Set max top-up amount :

According to below diagram , dip switch of red circle can set four types of max top-up amount:



The 1st max top-up amount (turn SW no. 4.5 to down)

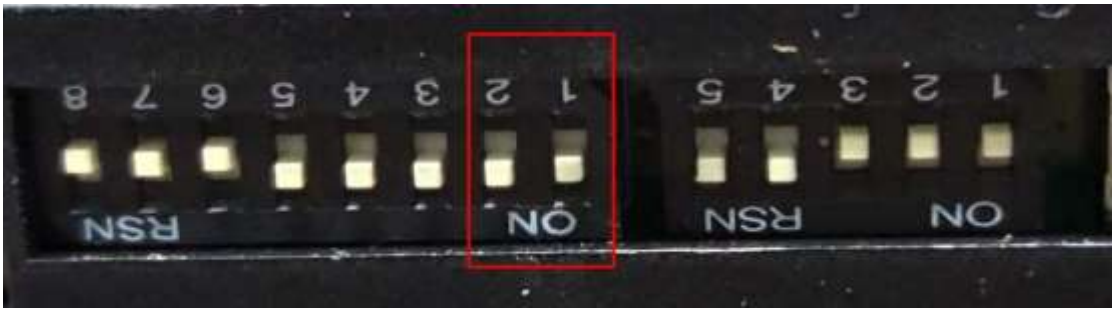
The 2nd max top-up amount (turn SW no. 4 to down & no.5 to up)

The 3rd max top-up amount (turn SW no. 4 to up & no.5 to down)

The 4th max top-up amount (turn SW no. 4 , 5 to down)

3-2 Set deduction amount

According to diagram, dip switch of red circle can set four types of deduction amount.



The 1st Deduction amount (turn Dip Switch no.1 ,2 to down)

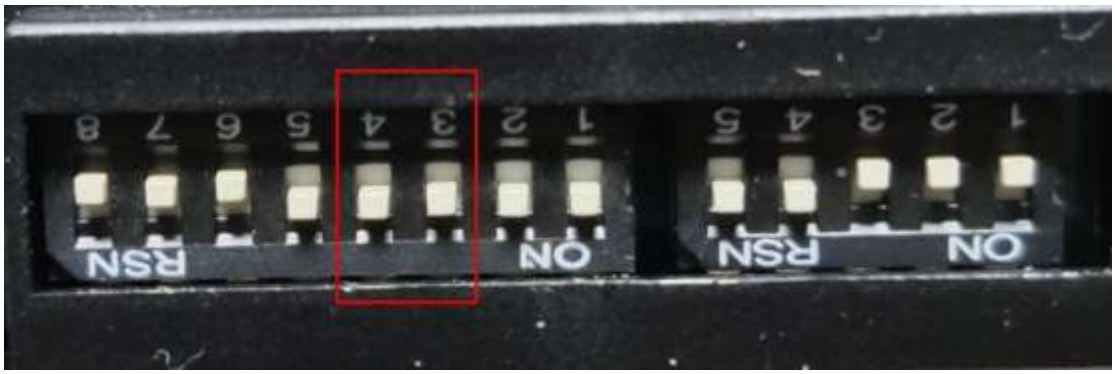
The 2nd Deduction amount (turn Dip Switch no.1 to down , no.2 to up)

The 3rd Deduction amount (turn Dip Switch no.1 to up , no.2 to down)

The 4th Deduction amount (turn Dip Switch no.1 ,2 to up)

3-3 Set Pulse width

According to diagram , dip switch of red circle can set three types of pulse width



The 1st pulse width (turn Dip Switch no. 3 , to down)

The 2nd pulse width (turn Dip Switch no. 3 to down , no.4 to up)

The 3st pulse width (turn Dip Switch no. 3 to up , no.4 to down)

3-4 Set Pulse output mode (Normal High / Low)

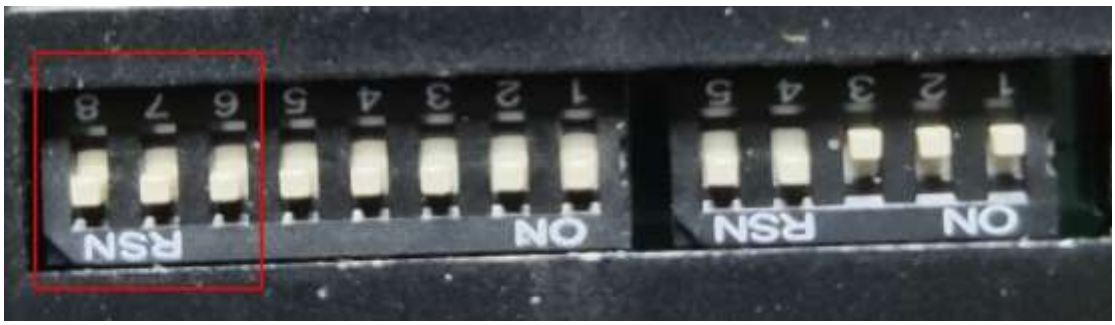
Accord to below diagram , dip switch of red circle can set pulse output mode.

Pulse output for Normal Low (turn dip switch no.5 to down)

Pulse output for Normal High (turn dip switch no.5 to up)

3-5 Set Inhibited transaction mode

Accord to below diagram , dip switch of red circle can set six types of inhibited transaction mode.



The 1st inhibited transaction mode (Select inhibited transaction mode) (turn dip switch no. 6,7,8 to all down)

The 2nd inhibited transaction mode (Select inhibited transaction mode) (turn dip switch no. 6,7 to down , no. 8 to up)

The 3rd inhibited transaction mode (Select inhibited transaction mode)
(turn dip switch no. 6,8 to down , no. 7 to up)

The 4th inhibited transaction mode (Select inhibited transaction mode)
(turn dip switch no. 6 to down ; no. 7, 8 to up)

The 5th inhibited transaction mode : depending on inhibit signal
(turn Dip Switch no. 6 to up ; no. 7, 8 to down)

The 6ty inhibited transaction mode : Non-Inhibited transaction
(turn Dip Switch no. 6 ,8 to up ; no. 7 to down)