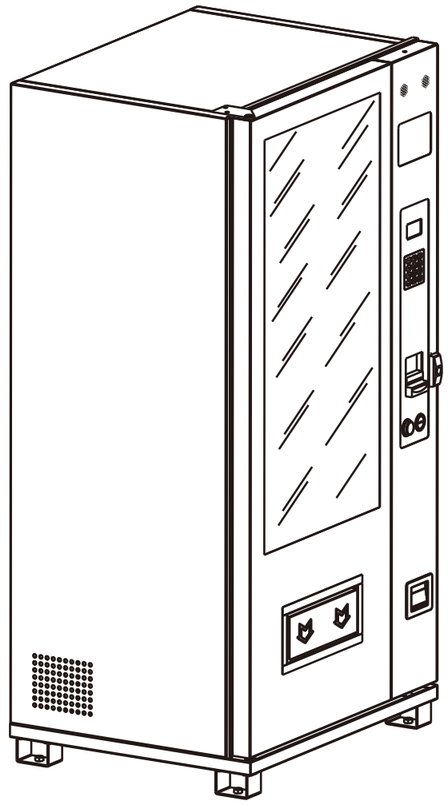
Certificate of Quality

inspector

Vending Machine



Instruction Manual

Due to different models or configurations,parts of functions are different, please refer to real machine.Physical machine is not as same as pictures please refer to real machine,appearance change does not affect the function

Combo vending machine instruction manual

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Vending Machine Features

All-steel body structure, strong and sturdy;

Size of goods slot can change, adapt to different size of products flexibly;

Tem controller system optional,heat/refrigerate goods;

Can accept bill and coin ,and coin pre-installed(billchange pre-installedoptional);

Support Apple pay/Alipay/QR code payment;

Support Internet/Wechat remote management system;

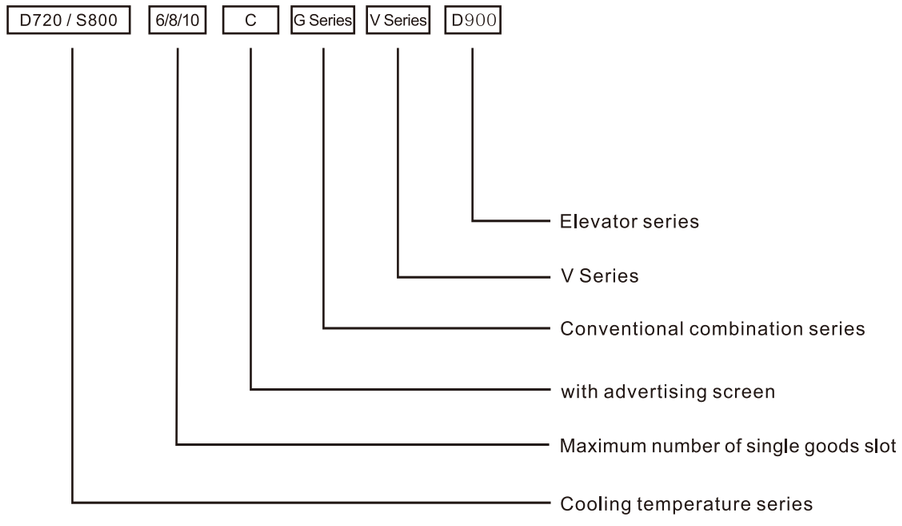
Can quick operate with remote control;

Drop sensor inspection;

Forming Technology better insulation effect,more energy efficient,higher structural strength ;

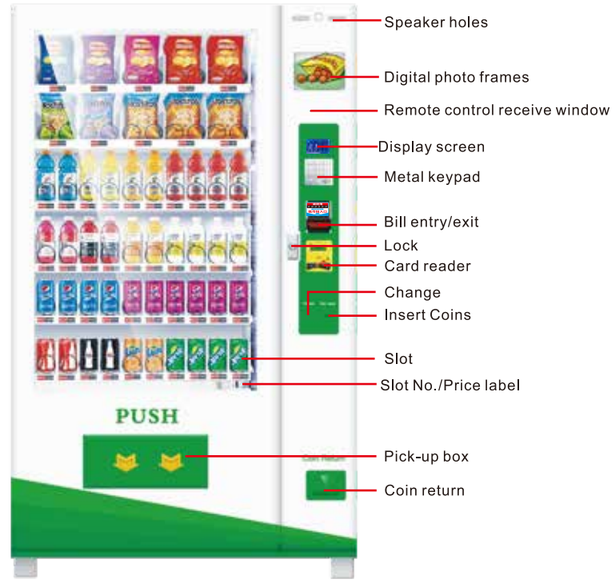
Alarm system optional, power off also support remote control/propaganda/talkback /monitoring,CID.

Models naming methods

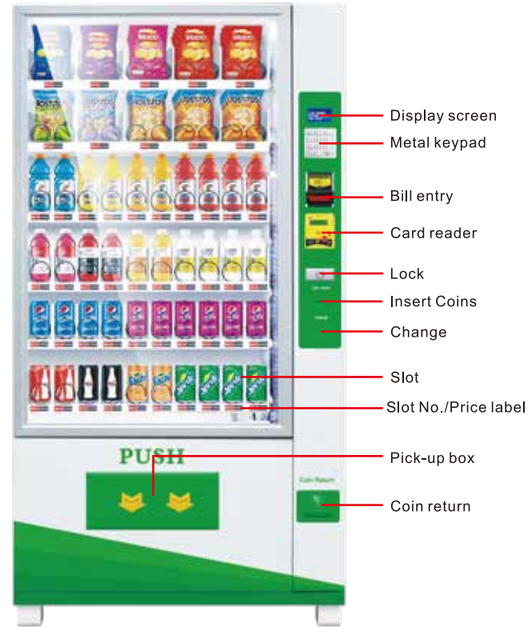


Appearance details description of vending machine

The Standard model

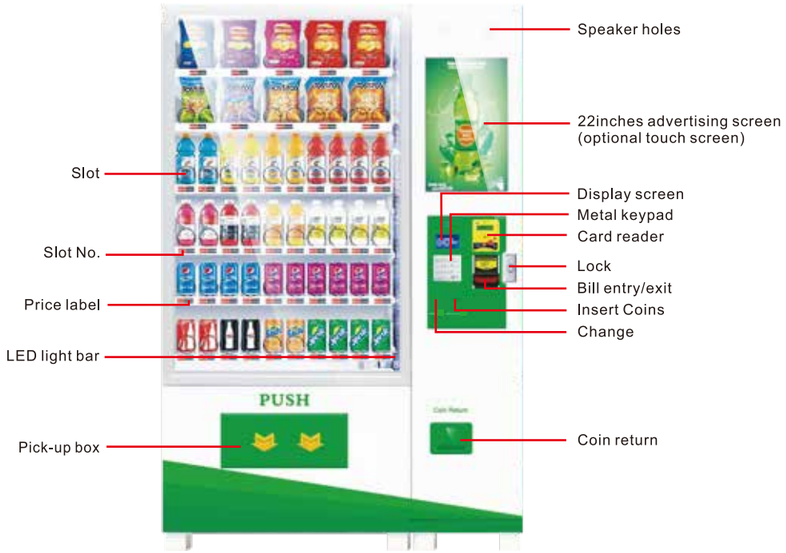


The Standard model

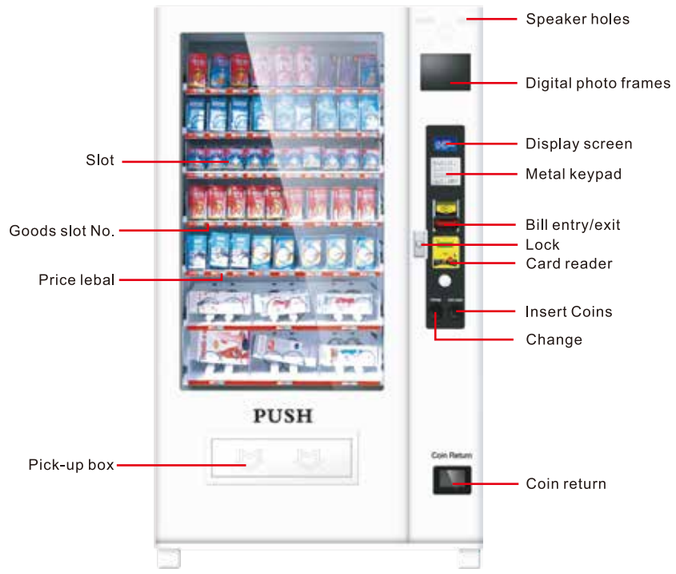


Appearance details description of vending machine

V series

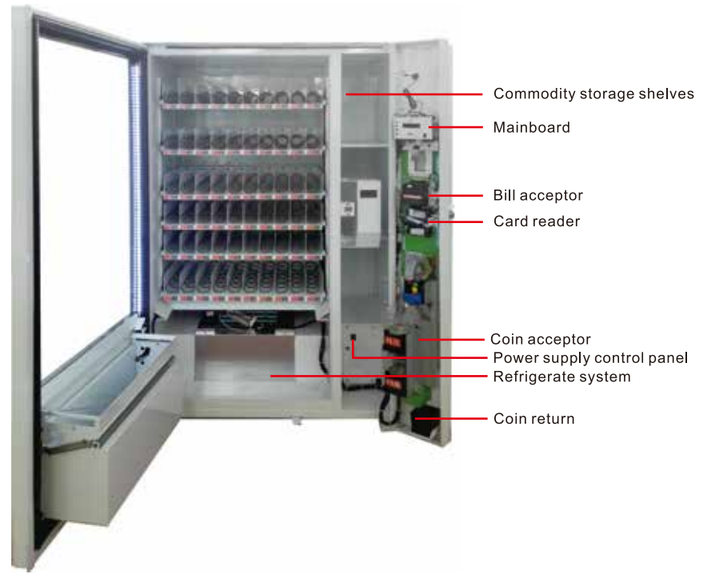


S800 ordinary temperature series

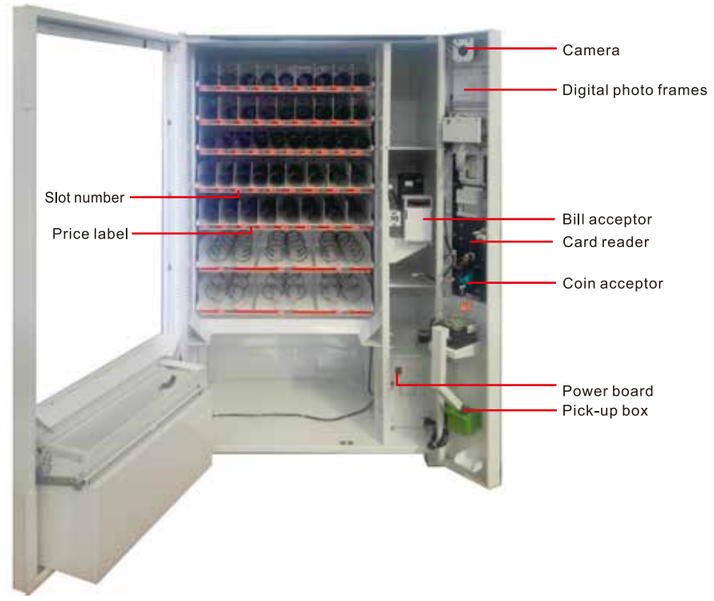


Internal details show of vending machine

Refrigerated double doors model expansion view

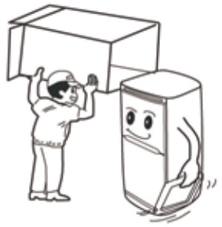


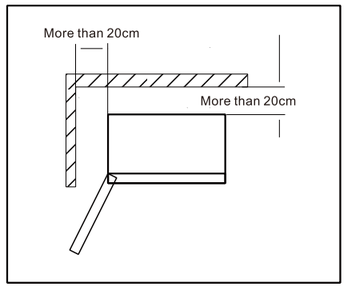
Ordinary temperature double doors model expansion view

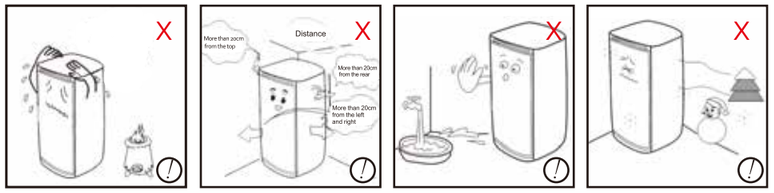


Preparation before using and placing environment of vending machine

1.Please check whether the package keep well when you received machine,if it has damaged,please consult with Logistics and give a call to our company.
2.Preparation,please tear down all package module,including wood case,carton, adhesive tape, foam, protective film.
3.The place of business, your machine where you run, dry and ventilated,far away from fire ,avoid moist and splash water, floors are required firm and smooth.







4.After installing machine,let machine keep undisturbed more than 30 minutes, then connect power supply to make sure machine work normal. If need turn on refrigeration ,machine need not be disturbed more than 4-5hours,otherwise,will have a bad affect to compressor.
Normal Power 60W,refrigerated maximum power 510W,heated maximum power 760W, refrigerated and heated are optional

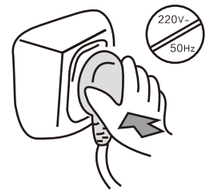
⚠ Alarm

Must Be Grounded

Power supply of machine must dedicated socket, if not,machine can't work.Otherwise exist serious security risks!

Safety precautions

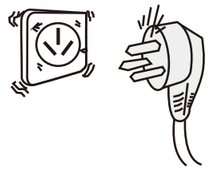
1.Use AC 220V/50HZ/10A,range of Voltage fluctuation more than 200~240V,maybe cause machine failure.



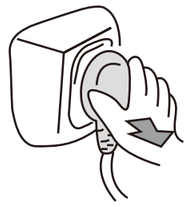
2.Must use plug with three legs, and keep connect ground well. otherwise, there is a danger of electric shock.



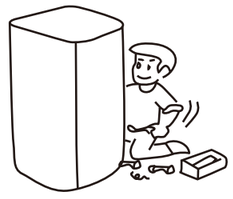
3.Do not break wires.
a. do not pull out plug by holding wire, just hold well the plug first and then pull it out.
b. do not let the machine pinned under power wire or stamp it on purpose.
c. when move machine off wall, keep careful, pay attention to the power wire.
d. do not use the spoiled or broken plug and wire, should replace them.



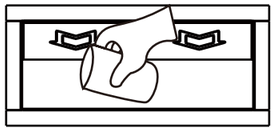
4.Please pull the pug out under following cases in order to avoid electricity shock .Cleaning, repairing, replace spare parts.



5.It must not allow to disassemble, restructuring machine, damage machine cooling system.



6.When getting goods, one hand push the door, and the other one get the goods, pay attention to the door hurt your hand. child should under help of adults.

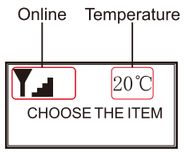


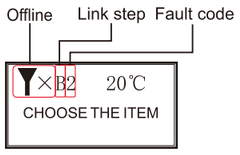
Functions introduction of vending machine

Commodity slot: tray is divided into one buy one slot, setting a Spring in every slot ,commodity for sale filled in Springs;
Mainboard: is used to control parts of working main component of vending machine;
Bill entry: is used to insert bill when consumers buy goods and pre-storebill,bill must put single and tile into it, otherwise, bill can't recognize;
Coins entry : is used to insert coins when consumers buying goods and pre-store coin, coins must insert one by one;
Bill acceptor: is used to receive, recognize, storage and change bills, with pre-store bill and change function optional;
Coin acceptor: is used to receive, recognize, storage and pre-store coins.Refrigeration and heating system: refrigerated or heated goods(optional);
12864display screen: is used to prompt information for users;
Metal keypad: is used to choose commodity and output menu operation;
Lock :is used to lock door and machine body ,avoid losing good of the machine;
Change: for coins have been invested or stuck banknotes, can take this button to refund coins have been invested;
Coin return : exit window that user take coins which change or can't recognize;
Pick-up box: the area that user take goods they have bought;
Power wire: is used to connect external power supply, must use reliable grounded receptacle;
Card reader: is used to swip card consumption;
Slot number/price label:is used to sign slot number,price information,purchase convenient;
Remote control receive window: is used to receive signal of remote control;

Menu setup flowchart

Purchase interface instruction



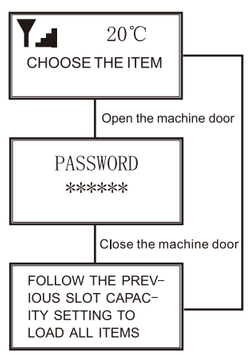


Fault code	Fault cause	Methods
0	It may not open the backstage	Connect with customer service
1	Communication module failure	1.Confirm gprs module install well
		2.Change antenna.
2	No signal	1.Confirm antenna install well, put it on machine overhead
		2.If it's mobile card change into unicom card
		3.Replace the antenna
		4.Replace 3g module
3	Setting mode does not respond correctly	Check sim card damaged or not
4	Apn settings is not respond correctly	1.Confirm sim card closing down or not
		2.Change the sim card
		3.Contact after-sales and reset apn
5	Activate the network unsuccessful	Confirm sim card closing down or not
9	Do not detect simcard	1.Confirm with sim card or not
		2.Check card duty or not
C	Can not contact the network server	1.Confirm sim card with balance or not
		2.Contact after-sales troubleshoot

Menu setup flowchart

Do not operate other settings,close the machine door,exit the menu.

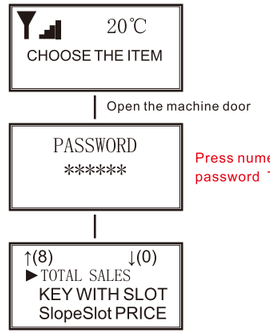
Fill commodity operation



1.After the goods are loaded,we need to push the aisles in the end, heard "da"sound,otherwise ,it will cause the machine does not work properly.
2.When all the new mainboard initial use,the need for the commodity operations.
3.After the capacity of the machine is set to 199,it will track full of goods,the goods do not need to press"*" or the "enter" key.

All aisles to fill the commodity.press "*" or "enter",all goods will be refreshed with current inventory levels of goods capacity ,after closing door.more than 10s ,or press "#" or "cancel",the number is not refreshed availability.

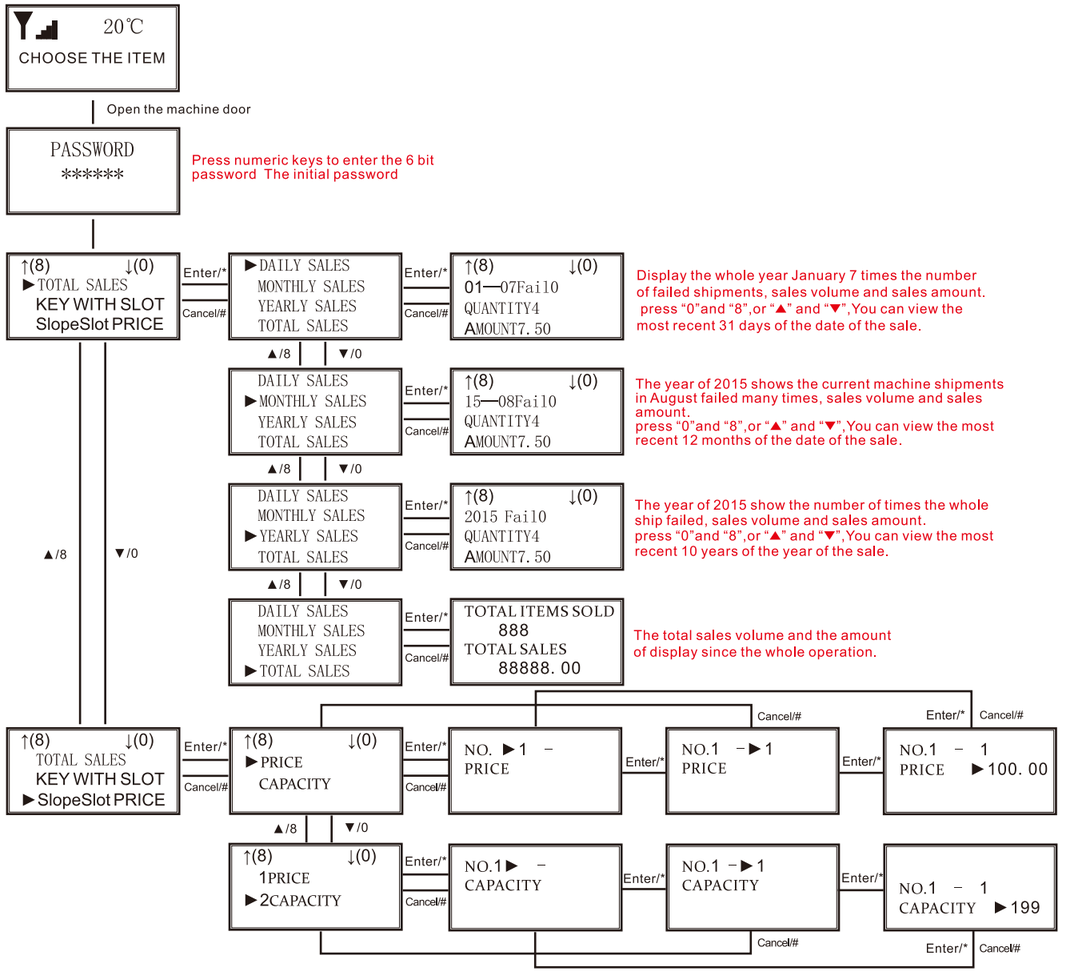
Open or close LED lighting



Press numeric keys to enter the 6 bit password The initial password is"000000"

Menu setup flowchart

Query total sales



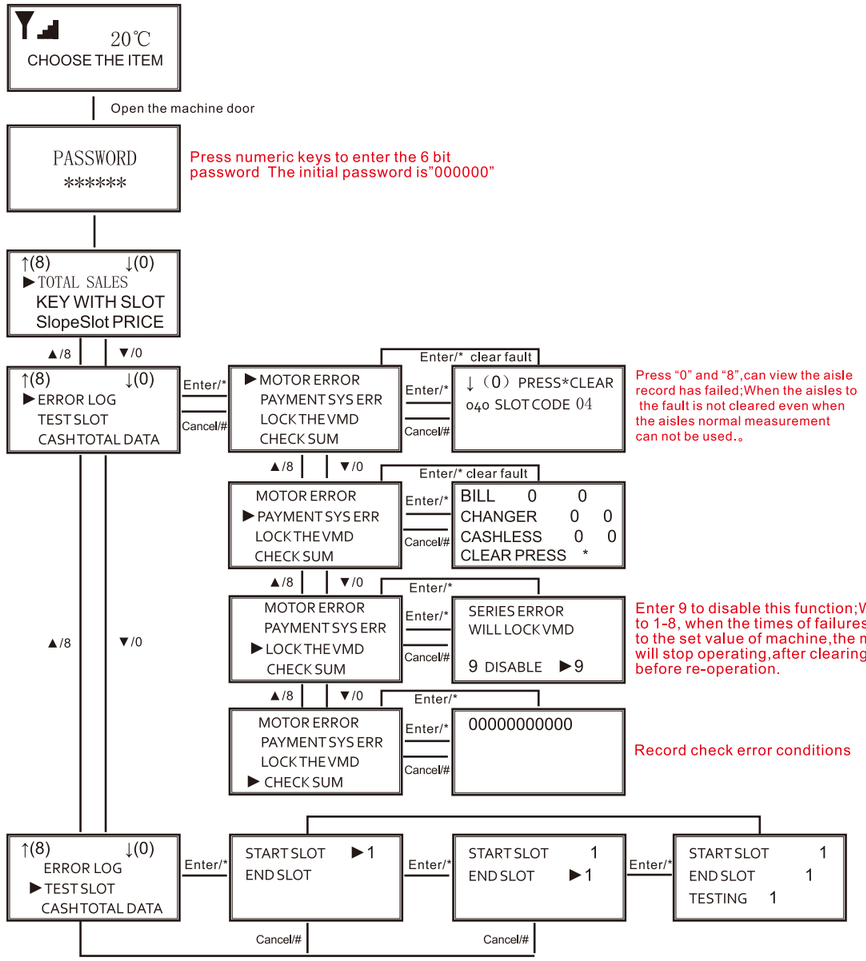
the commodity capacity is set to "199", after the aisles goods sold, is now the number of stock inventory does not automatically subtract "1". Set capacity again, quantity on hand in keeping with slot quantity automatically

can be set to the maximum value of "6500.0"

Combo vending machine instruction manual

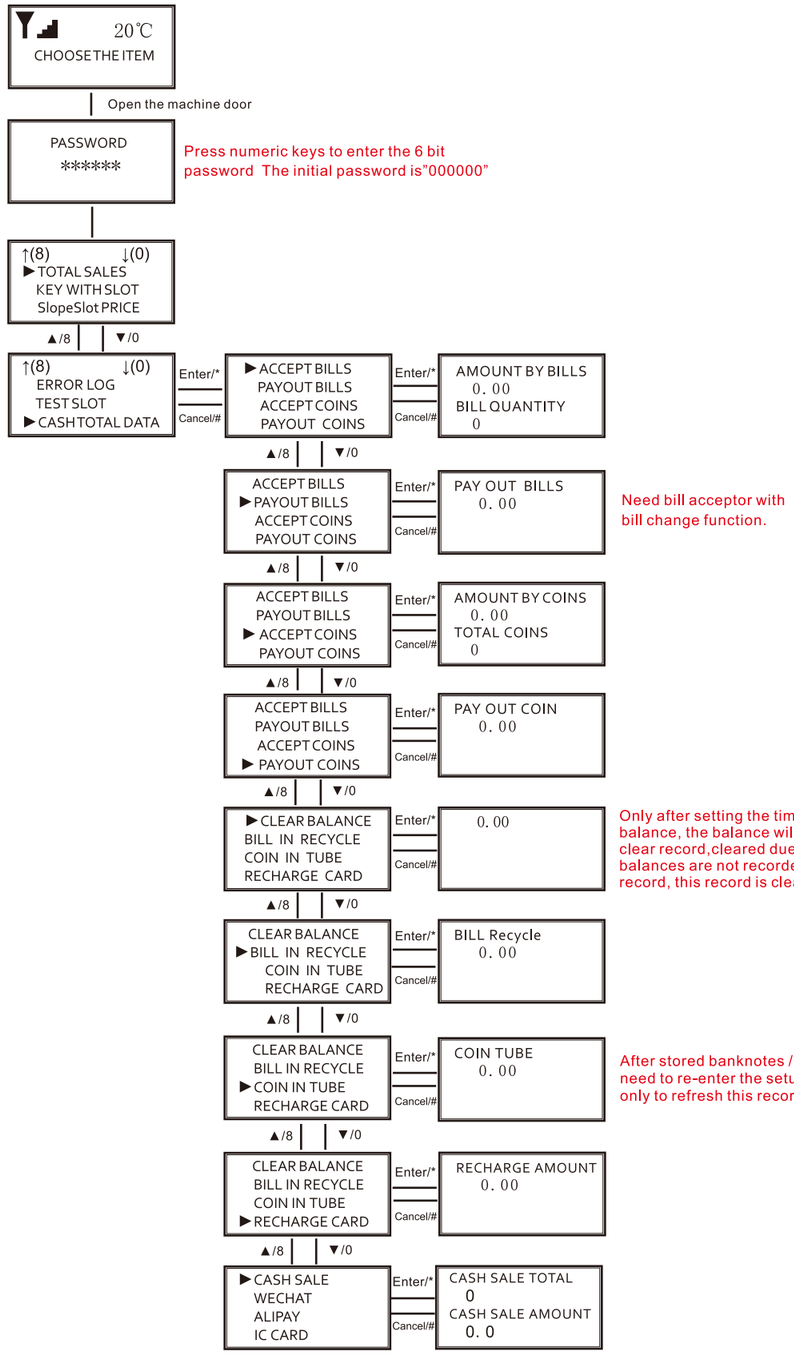
Menu setup flowchart

Error Query/Test slot



Menu setup flowchart

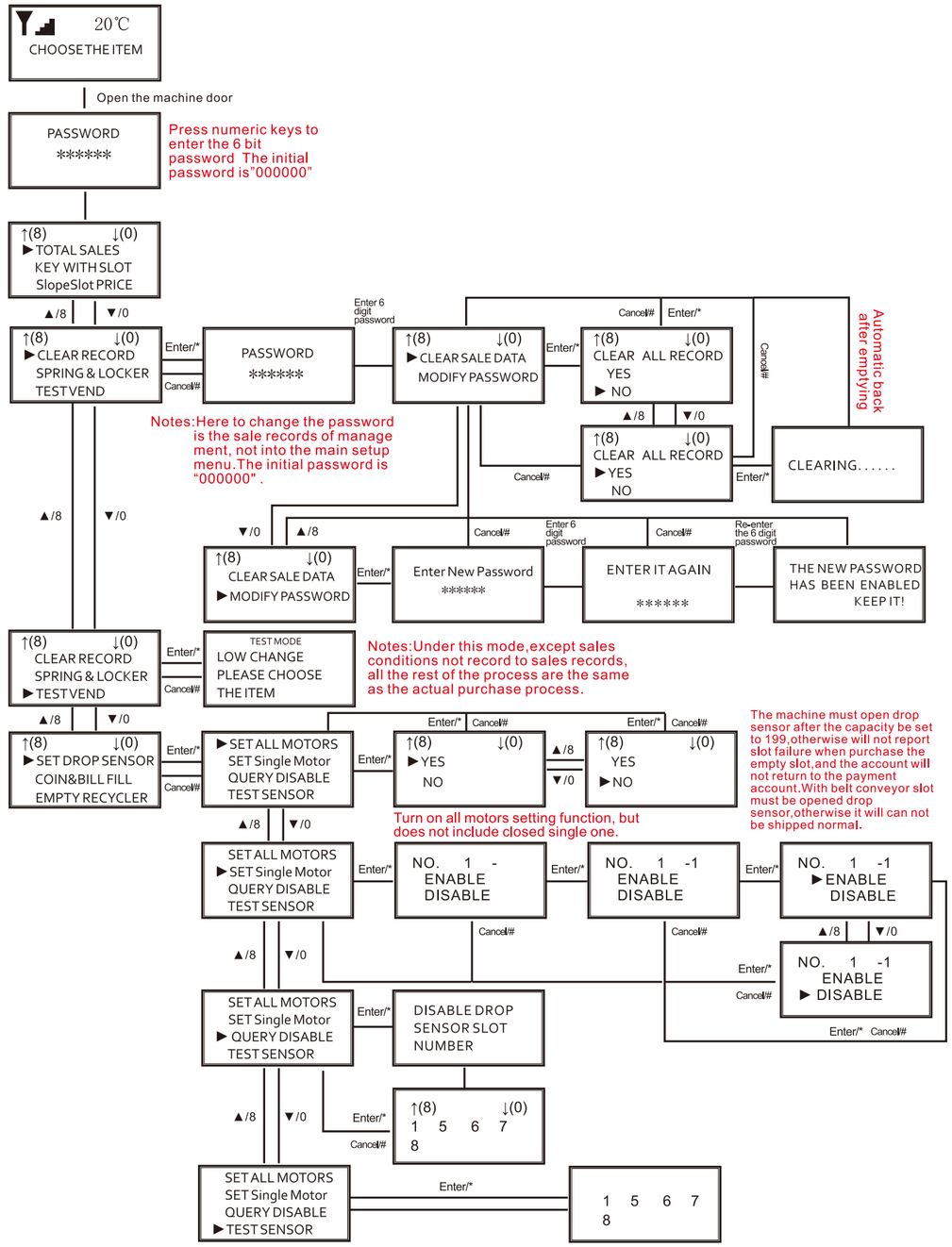
Cash total data



Combo vending machine instruction manual

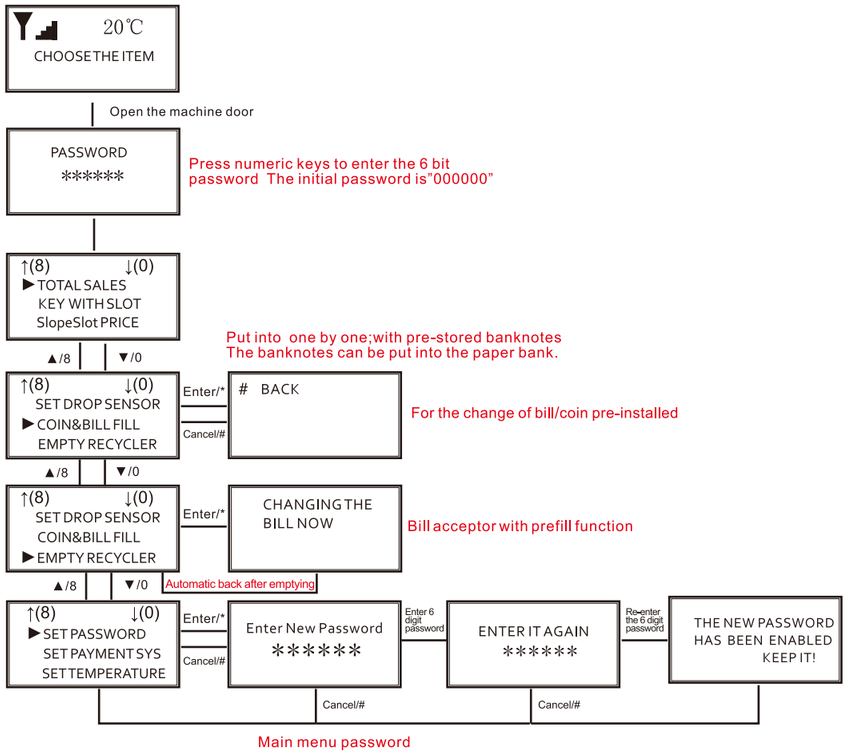
Menu setup flowchart

Clear record/Test vend/set drop sensor



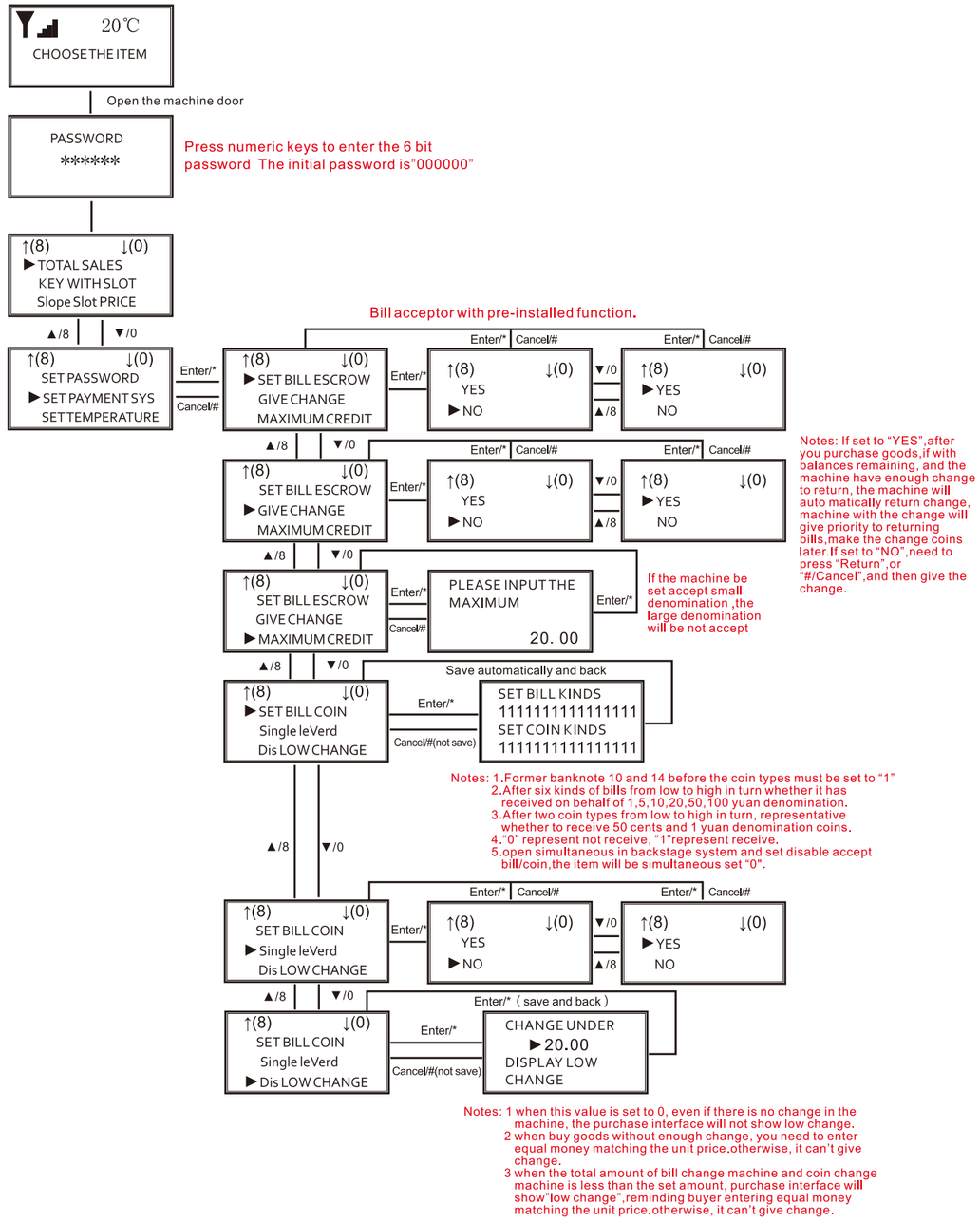
Menu setup flowchart

Coin&bill fill/Empty recycle /Modify password



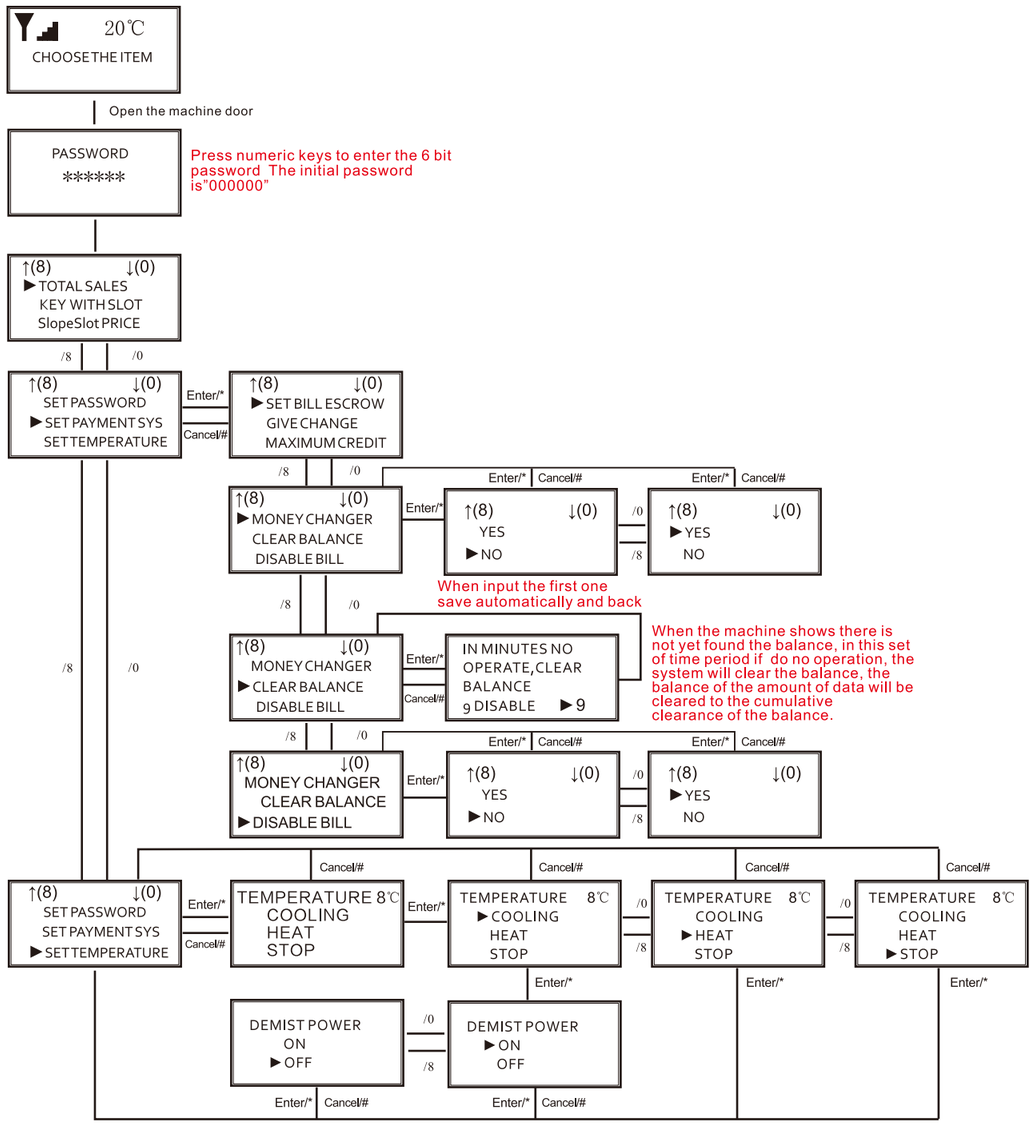
Menu setup flowchart

Set payment system



Menu setup flowchart

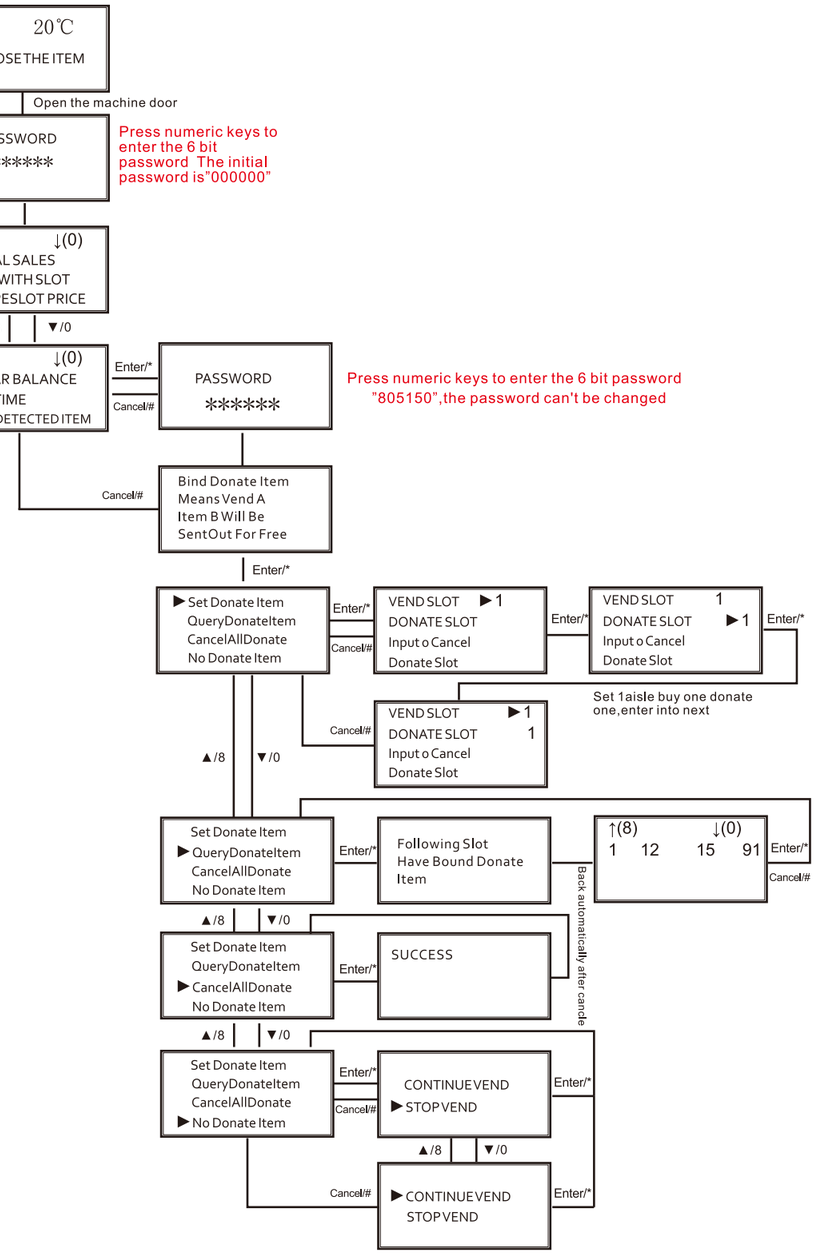
Set payment system/Set temperature



The machine with temperature control system.

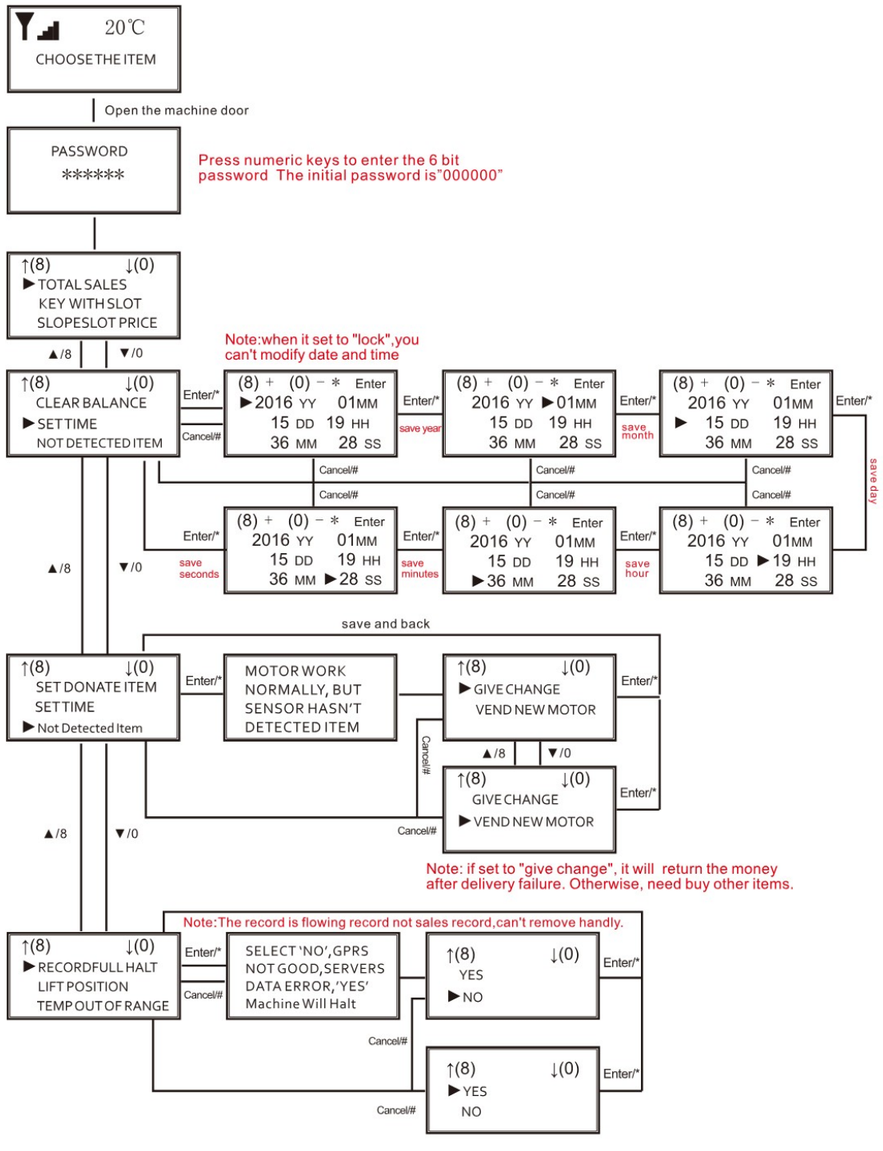
Menu setup flowchart

Set donate item



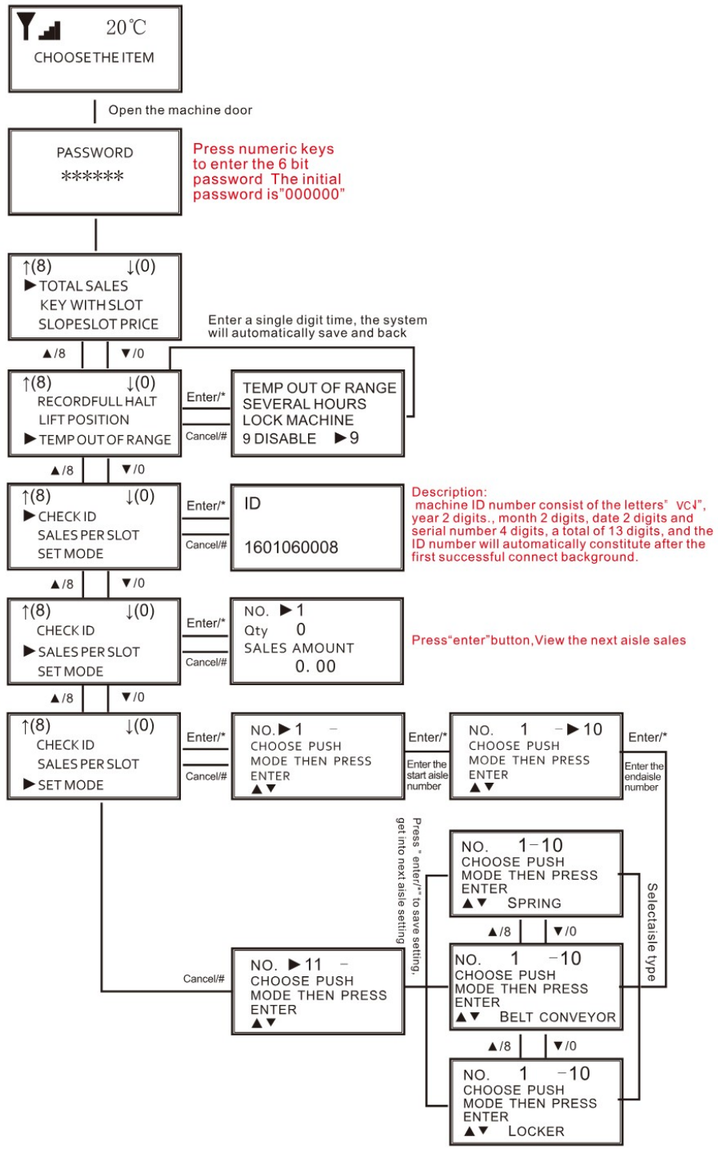
Menu setup flowchart

Modify time/Delivery failure handling/Set recordfull halt



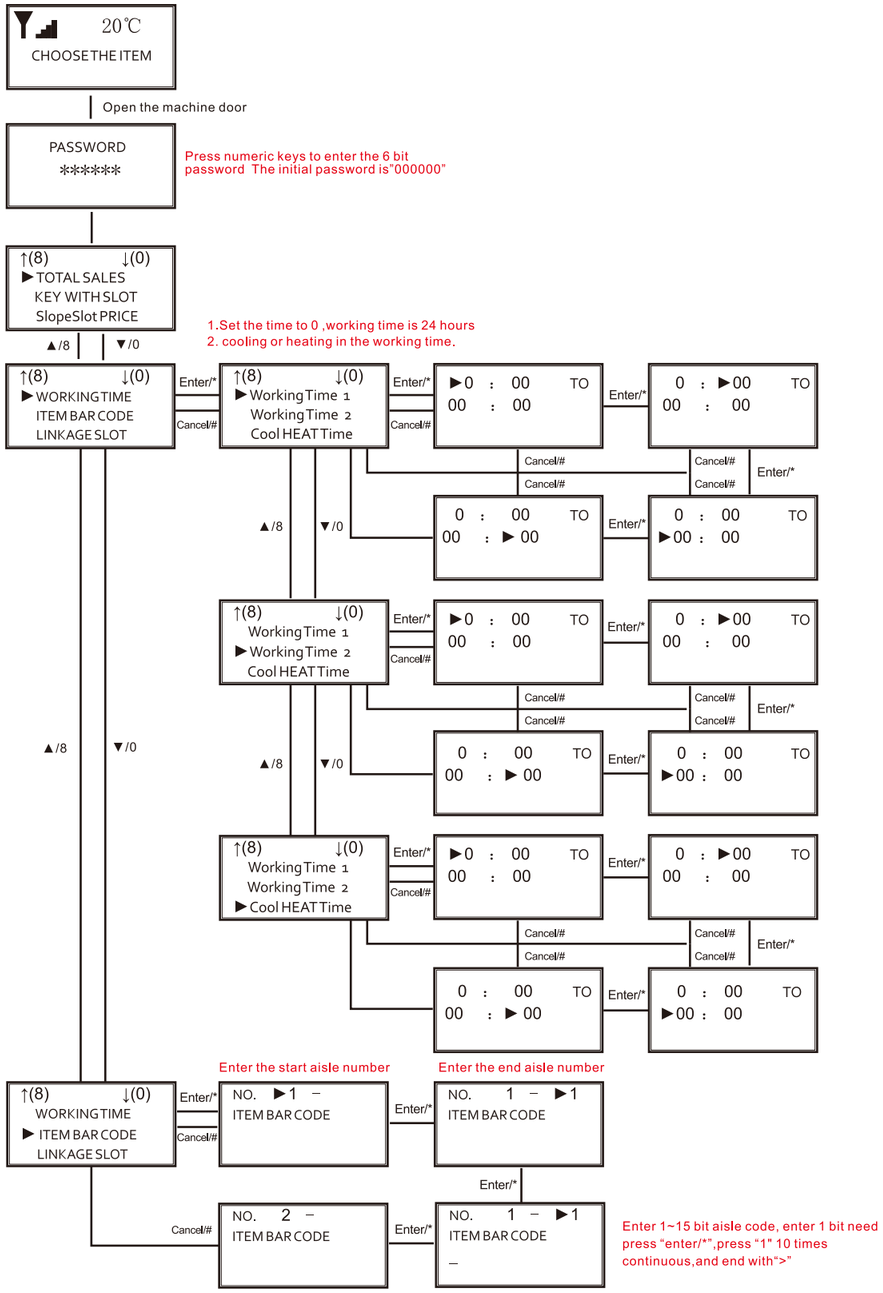
Menu setup flowchart

Temp out of range/Check ID/Sales per slot



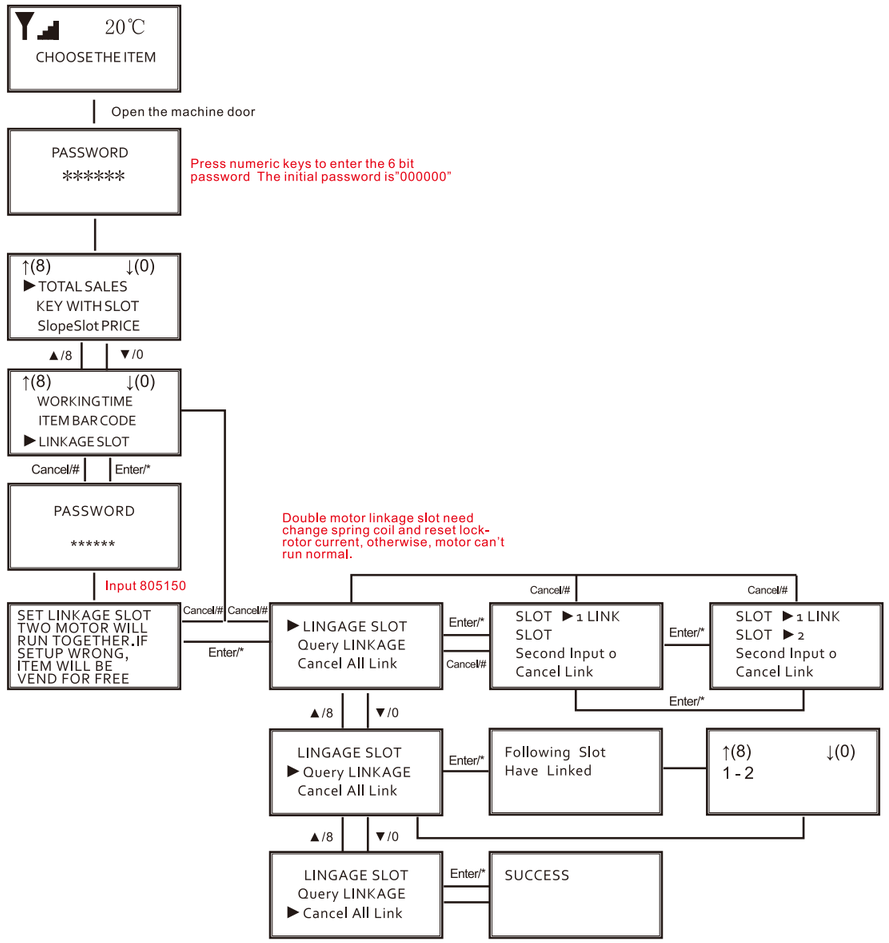
Menu setup flowchart

Set working time/Set item bar code



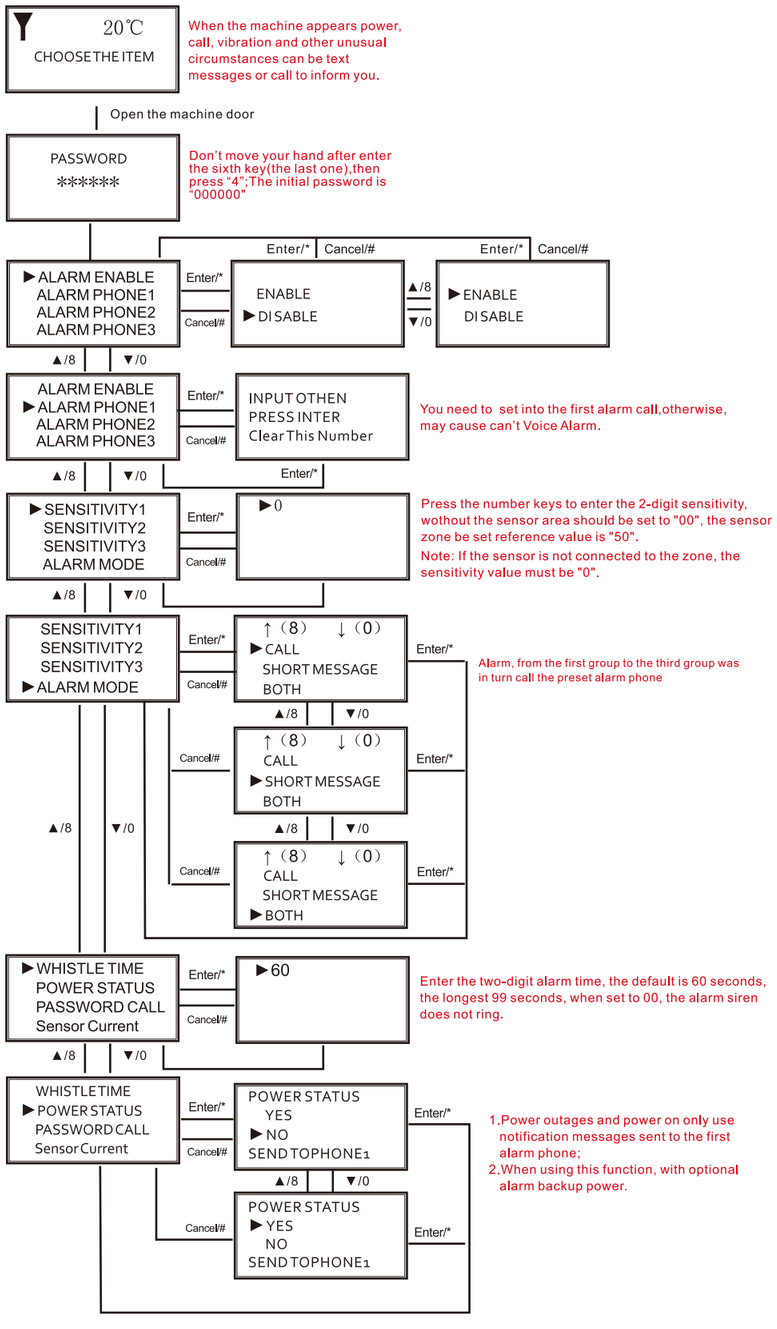
Menu setup flowchart

Linkage slot



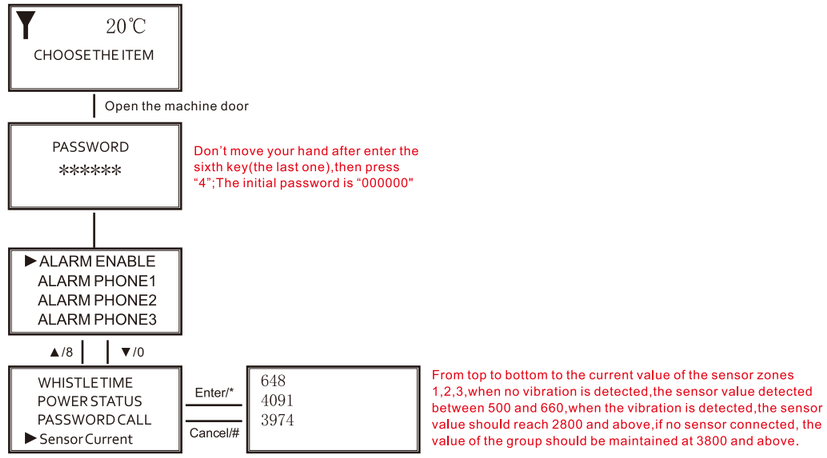
Menu setup flowchart

Open or close alarm function/Setting alarm phone/Set zone sensitivity/ Set the alarm output/Set the siren time/Set power status remind



Menu setup flowchart

View sensor current value



Alarm SMS content and meaning

SMS Content	Meaning	SMS Content	Meaning	SMS Content	Meaning
GROUP1	SENSITIVITY1	ALARM1	Sensor short circuit alarm	POWER OFF	Power off
GROUP2	SENSITIVITY2	ALARM2	Sensor break alarm	POWER ON	Power on
GROUP3	SENSITIVITY3	ALARM3	Vibration sensor alarm		

Phone alarm using description

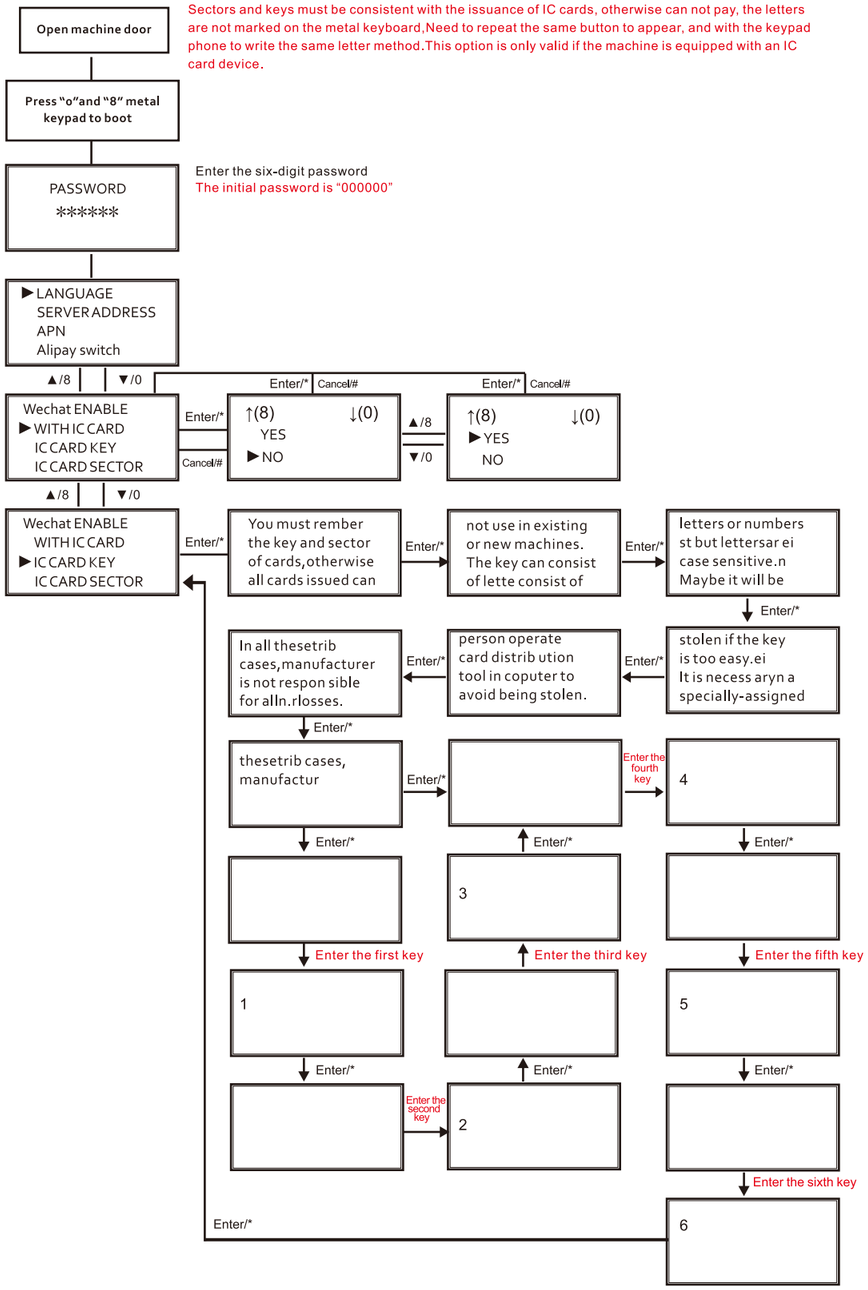
1.Close sirens
After switching on the alarm call, press "2"on the phone keypad,can close sirens
2.Intercom
After switching on the alarm call, press "*" on the phone keypad, you can open the intercom function,press "#" on the phone keypad, you can close the intercom function.
3.Alarm Phone Notes
a)When setting alarm calls, if only need set one group, should be set in the first group, the second and third groups must be empty;if need set two groups, should be set in the first and second group, the third group must be empty.
b)Alarm Phone vacant area must be empty,can not be any character except the telephone number.
c)Alarm call may be a group number,can be all mobile operators of a valid phone number.
4.Alarm setting
There are three kinds of alarm,siren alarm,SMS alarm and telephone alarm,all of them can be combined freely and opened simultaneously.
5.Open sirens
After switching on the alarm call, press "1"on the phone keypad,can open sirens

Notes:The phone can still hear the voice of the scene after closing the intercom function.

Menu setup flowchart

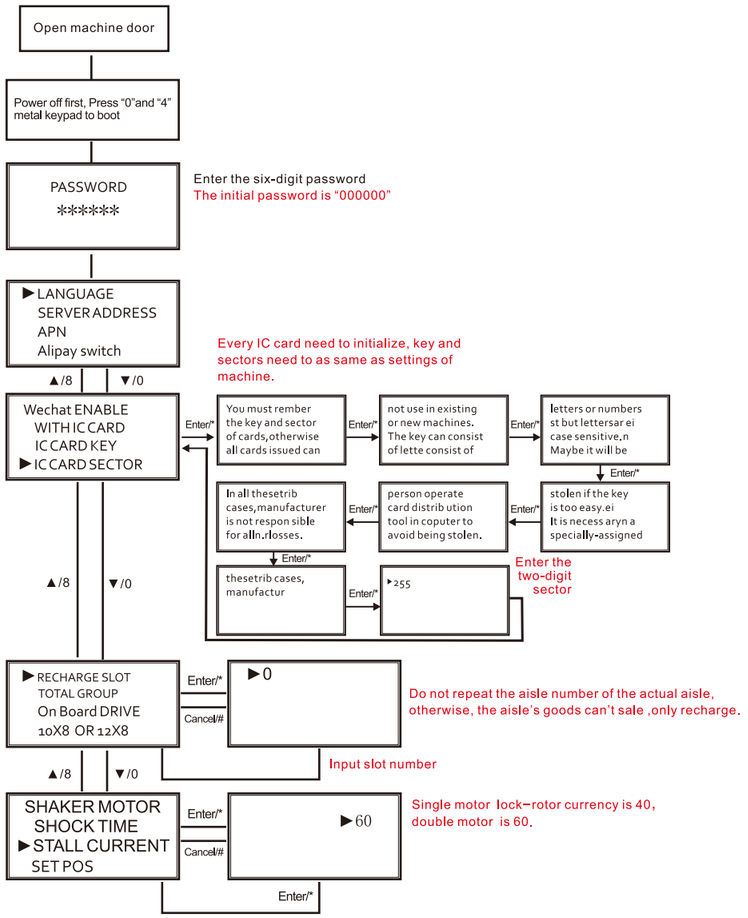
If don't need to operate other settings, restart machine, exit setting menu.

IC card payment function/Set up IC card key



Menu setup flowchart

IC card sectors/Setting refill with aisle/setting lock–rotor current



Maintenance of common fault

Common Fault Phenomena	Failure Cause	Troubleshooting
Do not receive bill/coin	Wrong electricity	1.Check MDB line whether contact well
		2.check whether the electricity of coin acceptor ,bill acceptor is 24V
	Communication failure 003	1.switching bill acceptor communication mode,press red button more than 5s until light on,then loose
		2.Check MDB line whether contact well
		3.Check mainboard MDB whether normal
	Be disabled by software	1.set menu,bill/coin system,bill/coin type,all be set 1
		2.Close door/reinsert plug/exit menu mode
	Have high frequency interference	Move high frequency interference sources(ex.antenna)
	Install not well	1.re-install it
		2.coin return button nonhoming,correct return pressing plate
	The channel is not clean	Clean the channel of bill acceptor,coin acceptor
	The system is not detected	If you can not rectify the fault, please return to the factory rebuilt
	Do not receive bill/coin	Open the machine door →press six digit password →set bill/coin SYS → MAXIMUM CREDIT→set more than 100.Menu set →payment system→bill/coin type→all set 1.If set the receivable currency too high, after the user purchase the goods, the coin area may be cleared, resulting in follow-up users can not change.
	Bill stuck failure	Clear stuck bill
Do not change	Wrong electricity	1.Check MDB line whether contact well
		2.Check whether the electricity of coin acceptor ,bill acceptor is 24V
	Communication failure 003	1.Check MDB line whether contact well
		2.Check mainboard MDB whether normal
	Be disabled by software	1.menu set→coin can change→open
		2.set menu,bill/coin system,bill/coin type,all be set 1
		3.Close door/reinsert plug/exit menu mode
	Whether the mainboard menu is set not to give change	Menu set→set payment system→coin change →yes
	Have not money	Fill coin/bill
	Setting wrong	Set payment system→without bill/coin to change→shows low change when change is less than 7
	Nv11 can not to give change	Open the machine door →press 6 digit password→EMPTY RECYCLER Bill/coin fill,Open the machine door →press 6 digit password→Bill/coin fill
	Nv11 note floate works incorrectly or bill failure	Press red button 4s,the entrance light on and keep it until light off,loose, then the bill-change will clear
	Coin failure	1.Check whether the coin is erected
		2.Check whether the coin with glue
		3.Money tube out
		4.Return part failure
		5.re-install change plate
Bill/coin acceptor can not use	Already set disable in backstage system	Sign in backstage system and set them to work
Power off	Power switch close	Open all switch
	The fuse is burned out	Change the fuse
	Do not contact 220V electric supply	Check electric supply
Low change	Without coin or lack	Check whether with coins,must more 16 numbers
	High amount in Dis Low Change	Open machine door→enter password→Set Payment SYS→Dis Low Change→Set the amount less than 10
	Coin tube be removed or installed not well	Re-install coin acceptor
Can not contact network	SIM card without Internet	Reactivate SIM card
	SIM card already downtime	Recharge card
	SIM card already locked	Contact after-sales ,note,SIM card only used in be bound machine
	No signal	1.restart machine
		2.check antenna well,put the top of machine
		3.change antenna
		4.change 3G module
LED light off	LED light be closed	Open the machine door→press “cancel” after enter the 6th password in 0.5s
Can not choose slot	Not clear slot failure	Open the machine door→press password→Error→Motor error→press “enter”to clear
Delivery failure	Commodity code is not same in Backstage system	Set the commodity code is same in backstage system
	Product size is too small	Change suitable size product
	Product size is too large	Change suitable size product
	Product size is high, touches the upper tray	Change suitable size product
	Slot capacity is wrong	Clear motor error and reset slot capacity
Linkage slots failure	Do not set Locked-rotor current	Set the locked-rotor current to 60

Combo vending machine instruction manual

Coin acceptor oprerate guidance

Cleaning

1.Disconnect the electricity before cleaning.
2.Dirty is the main cause of the failure of the coin manager, so the cleaning operation is very important.
3.Cleaning products can only use wet soft cloth, cotton swab, soft brush, can not use organic solvents (such as banana water, gasoline, etc.) or hard brush, it is recommended to use essential oil.
4.Always ensure that the cleaning fluid is completely dry , do not scratch the cleaning parts, otherwise it will reduce the coin receiver rate.
5.Open the entrance channel, the collection gate, the denomination, the coinage channel, the reimbursement claw, then cleaning.

Pre-installed coin and recycle

1.Coins can not be deformed , scarred and with glue.
2.Into the coin pre-installed setting, insert coin one by one, coins will be identified and save in tube.
3.You can also open the tube then add coins directly , but the tiger coin acceptor need set the coins numbers in corresponding to coin tube.
4.The tube must be sure more than 16 coins and then can detect coins.

Installation

1.Cut off power.
2.Make sure vending machine is upright.
3.Locate the screw holes on the back of the coin acceptor, loosen the screws , hang the screws on the pallet corresponding to the vending machine, and pull down, and finally keep the coin acceptor is upright state while tightening the screws.
4.Coin bar and coin coin key to have 4mm gap, and press the button several times to ensure that the normal opening and closing.
5.The bottom of the coin should be left with more than 2mm space to prevent interaction with other parts.
6.Connect the coin connector to the vending machine connector and arrange the wiring to ensure that it does not affect the operation of the rewind key and the machine door.
7.After confirming the installation, you can enter the coin pre-installed menu, from the coin into a few coins to verify whether the installation of a problem.

Bill acceptor oprerate guidance

Pre-installed and recycle

1.NV11 by NV9 plus a change in the composition of the head, NV11 with pre-set paper money to change the function, to find a maximum of 25 can be temporary note.
2.Go to the menu settings → coin preload, you can put the paper money into the banknote prepaid notes (only with the paper money to change the function only need to pre-banknotes).
3.Pre-stored coins can not be wrinkled / missing angle / dirty, when the coin can not be skewed / angle, or can not be identified.
4.Press the bar to remove the cash box, and then press the cash box spring can be removed from the coins. BV20 for the self-made cash box,Need to open the cash box baffle to withdraw money.

Cleaning

1.Disconnect the electricity before cleaning.
2.Dirty is the main cause of the failure of the coin manager, so the cleaning operation is very important.
3.Cleaning products can only use wet soft cloth, cotton swab, soft brush, can not use organic solvents (such as banana water, gasoline, etc.) or hard brush, it is recommended to use essential oil.
4.Always ensure that the cleaning fluid is completely dry , do not scratch the cleaning parts, otherwise it will reduce the coin receiver rate.
5、In addition to the thorough cleaning and maintenance of the paper dispenser, the inlet channel, LED housing, sensor housing, belt To be cleaned regularly, focus on clean and transparent shell.

Machine routine Maintenance, manager, clean

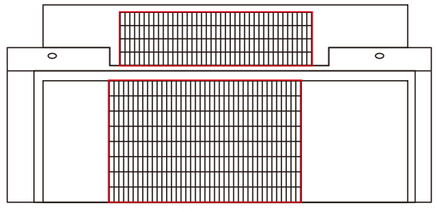
content		Cleaning and checking time		
		Product added	Once a month	Every six months
recycling	Recycling cash in the money box	○		
cleaning	Appearance	○		
	Pick-up box	○		
	bill acceptor		○	
	Steaming machine		○	
	Refrigeration machine		○	
	Coin acceptor		○	
	Delivery system		○	
	Panel		○	
checking	Leakage protector		○	
	LED lighting		○	
	Setting installed condition			○

Cash recycling regularly

When stock goods, please recycle the cash in the bill system.
Attention: to ensure money safety, recycle the total cash as much as possible, without remains.

Cleaning of vending machine

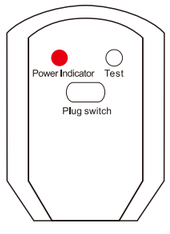
1.When dust, wipe off with dry cloth.
2.When severe dirt, wipe off the dust with warm water or diluted neutral detergent cloth.
3.Do not clean with Organic solvents or alkaline liquids, it may cause the panel break.
4.When clean up the vending machine, do not use chemical products such as Paint solvents or banana oil in case accident happen.
5.Steaming machine need clean dust regularly in every month, and wash it by water if necessary.
6.Open the machine door, turn off the power, open baffle or pick-up box, Use non-metallic brush clean.



Clean area

Check the plug working state

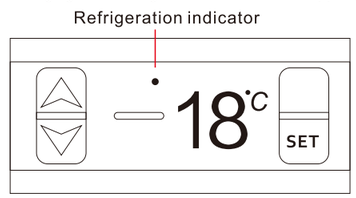
1.Press the power plug of the test switch, the power indicator off the same time cut off the machine power, the test must be done once a month.
2.If the test is normal, press the plug switch for 3 minutes and turn on the power.



How to use temperature control system

How to operate panel

1.Adjust the temperature (stop temperature) : Press the [SET] key to flash the display control temperature, then press △or▽to change the number Value and memory. Press【SET】key to exit the adjustment state display library temperature; if not press any key, after 6 seconds to restore the display temperature.
2.Refrigeration indicator: Refrigeration process, the cooling light on; constant temperature cooling light off; delay process, the cooling lights flashing. When the timer is stopped, the cooling light flashes.



3.Parameter setting
1>Press【SET】for 6 seconds, enter the parameter setting, and flash display E1
2>Press【SET】to change the parameter selection, then display E2 / E3 / E4 / E5 / E1, followed by cycle;
3>Press△or▽ Can display the value of the parameter and modify, store the data
4>6 seconds no longer press any key, return to normal mode of operation.
4.Parameter lock press△for 6 seconds Flashing "OFF" means lock, "ON" indicates contact lock. After the lock function is enabled, the parameter and control temperature can only be viewed and can not be changed. (Factory setting "ON")

Parameter	Features	Predetermined area	Factory default
E1	Minimum control temperature	-45℃ to control temperature	-35℃
E2	Maximum control temperature	control temperature to 45℃	20℃
E3	Temperature control hysteresis	1℃ to 45℃	4℃
E4	Delay start time	0-10M	2M
E5	Kurwin probe correction	-10to 10℃	0℃

Function Description

1.temperature control
1>After the power is delayed, when the library temperature is greater than (control temperature + temperature hysteresis), the compressor starts, when the library temperature is less than the control temperature, the compressor stops.
2>In order to protect the compressor, the compressor must stop at the time of the delay time (E4 parameter) to restart.
2.Timing downtime
1>After a time of defrosting (F2 parameter) is reached, the compressor is stopped and after a certain period of time (F1 parameter), it enters the automatic cooling state.
2>When the defrost interval is set to "00", cancel the defrost function.
3>Press and hold the [SET] key and the key for 6 seconds, then enter the parameter setting, flashing F1; then press【SET】 cycle Display F2 / F1; key and key, you can display the value of the parameter and modify, store data;
4>Press any key again within 6 seconds to return to normal operation mode.
3.Abnormal mode of operation
("HH"); "LL" is displayed when the probe is open or the temperature is low (less than -45 ° C).

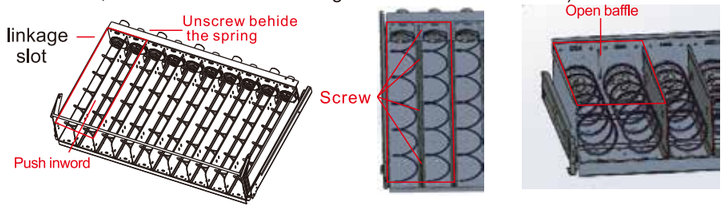
Parameter	Features	Predetermined area	Factory default
F1	Defrost time	1-90M	20M
F2	Defrost interval	0-24H	0H

Linkage slot operation

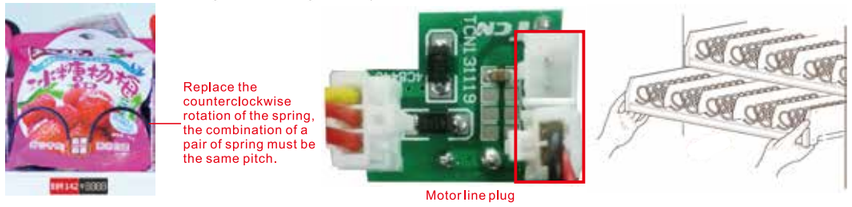
1.Cut the cable tie and pull the tray out and disconnect the terminal behind the tray.



2.The right side of the spring unscrewed , and remove the baffle in the middle of the linkaged slot (if it's plastic baffle, push it out; if it's iron baffle, you need remove the screws first then tear out, and after the remove the gear box is screwed back.).



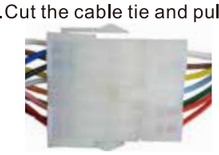
3.Unscrew the right spring and replace it in a clockwise direction to remove the right haul price tag and use the price chart on the left side of the way (for example, 142 trolley and 143 td after the merger is 142 goods.)



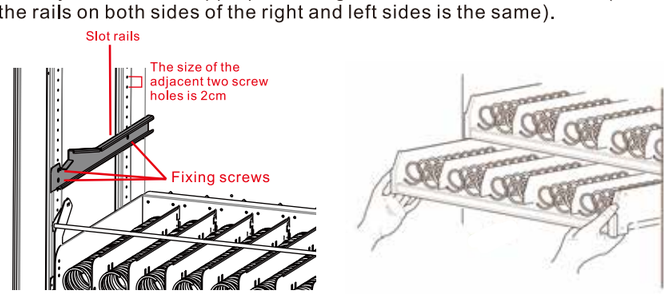
4.Insert the plug of the right side of the cargo line into the other jack. The combined tray is connected to the terminal, sorted and bound to the wire, and pushed into the main cabinet, while the software menu is set to merge the cargo and the stall current.

Adjust height

1.Cut the cable tie and pull the tray out and disconnect the terminal behind the tray.



2.Use a screwdriver to loosen the tray bracket screws and remove the tray bracket. Adjust the tray holder to the appropriate height and secure it with screws (note: the height of the rails on both sides of the right and left sides is the same).



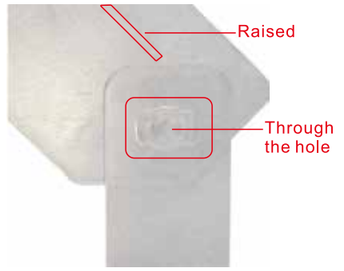
3.Connect the tray to the terminal, arrange and bind the wire, and push it into the main cabinet.

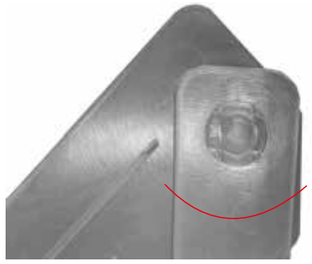
Accessories installation instructions

Install the block device

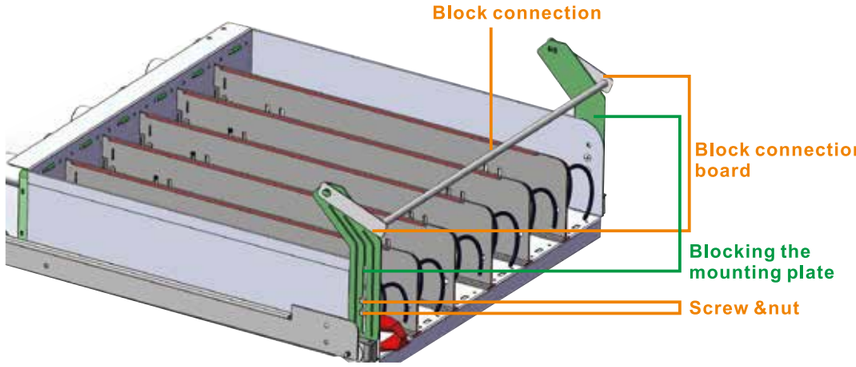
Installation of the block device is to prevent the higher product forward dumping, shipping the top of the items on the glass, resulting in the spring can not push the goods.

1.Corresponding to the hole, the block will be linked to the smooth surface of the block width of the mounting plate protruding set, and then fixed rotation.





2.With screws from the inside out fixed, install the block connecting plate and the block.



Install the spring front

The spring front is used to place smaller items on some of the goods, the spring can not be a one-time items when the installation.



Product warranty card

Maintenance Clause:

The warranty product is made by our company, under the damage of normal use. User enjoy free after-sale service during warranty period(one year warranty, starting time depends on purchase invoice date), but if meet some damage that caused by some man-made or force majeure factors (such as earthquake,flood,fire,lighting stroke etc), it's not in the range of warranty, specific as follow:

The product without serial number and unauthorized alteration serial number product.

The product that privately dismantle repair or try to repair without our company authorized.

The damage of product caused by accident,ill usage or any other force majeure factors.

The product damaged by ma-power factors during the delivery process.

Number	Maintenance time	Fault content	Maintenance staff
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			