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PANDFA VENDING LIMITED

Chapter 1 Quick Instruction

1.1 Pre-Use preliminaries

1.1.1 Unpack machines and components

Dismantle all packing materials such as wooden base, tapes, strands, form plastics, cardboard, etc.

1.1.2 Lay the machine in a suitable location

1.1.3 Install coin mechanism

After installation, please check the alignment of the coin insert chute and cashbox chute. Insert some coins to check that they can drop to the coin changer and exit from the return cup properly.

1.1.4 Power on, machine self-test

When the door is open, door handle and lock will mount out automatically. Insert the key, spin the handle counter-clockwise till the lock completely open, and then pull the lock handle to open the door.

1.1.5 Loading commodities

See chapter 6

1.1.6 Set prices and other parameters

Before you use the machine, you should first set price of each selection of products and stick price labels, which are offered together with machines, onto each track accordingly.

See chapter 4 <<Administrator's programming guide\4.2 Programs & usages>> for more details.

1.1.7 Fill coins for change

You need to load enough amounts of coins into coin mechanism. Make sure the door of coin tube is closed.

Please refer to chapter 7 <<Installing a coin mechanism>>

1.1.8 Delivery Tests

1.2 Customer's operation guide

As required in the part of peruse preliminaries, customers can use the vending machines according to the following steps.

1.2.1 Select product and enter commodity number

Check the selection ID of product needed through glass window of machine and press it on customer's keyboard. After entering valid number, the machine will automatically display the

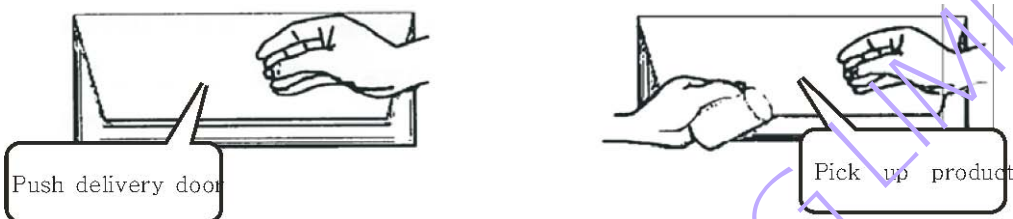
unit price and the received sum. If you want to choose another item, please directly enter the column ID.

1.2.2 Insert cash

Through bill validators or coin acceptors, insert banknotes or coins with suitable and acceptable kinds of cash. After inserting enough money, the machine will automatically deliver that product into delivery box. You may insert one bill or one piece of coin at a time, and after a 2-second interval, you can continue inserting money.

1.2.3 Picking up product

Push the delivery door forward and pick the product you have bought.



1.2.4 Coin return/change-giving

The vender will return your changes automatically, please get coins change in coin return box. Also you can press coin-return button to return your money back manually;



Chapter 2 Cautions

Notices for safety reasons

2. 1 Power source



Must power off

The standby voltage, Herz and Amperes applied to our vending machines are 220V/50Hz/. If the voltage is altering in a relatively wide range (for AV 220V/50Hz if voltage is 187~242V) , it may cause abnormal sound of compressor, abnormal working condition of machine, or result in burning of compressor and other troubles. To avoid these problems, a voltage-steady device (over 1000Watt) is required to use additionally.

2. 2 Ground

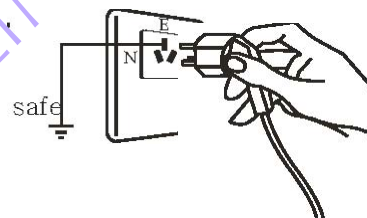


Must connect to ground

A three-pin plug is used in the power harness.

In whatever condition, never cut out or dismantle this three-pin plug.

A reserved isolated socket shall be used for safe ground connection purposes.

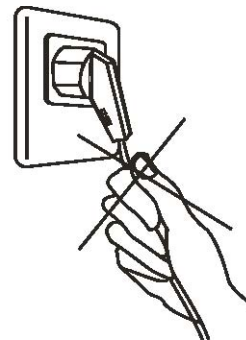


2. 3 protect the power harness cable



No touch!

Do not pull or trundle the cable. Make sure to pull out the plug directly from socket by holding tightly the plug itself instead of handling the cable. When transporting or moving machine, please store the cable into the power harness cable box.

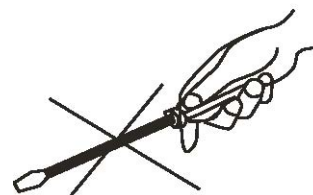


2. 4 Strict prohibition of dismantling or modification by untrained technician.



No dismantling permitted.

Repair and maintenance requires a qualified trained technician to perform the particular task. Or else unreparable trouble may be caused.



2. 5 It is strictly prohibited to load



It should be noted or obeyed

Flammable, explosive hazardous articles or materials with dense corrosive acids or alkalis.

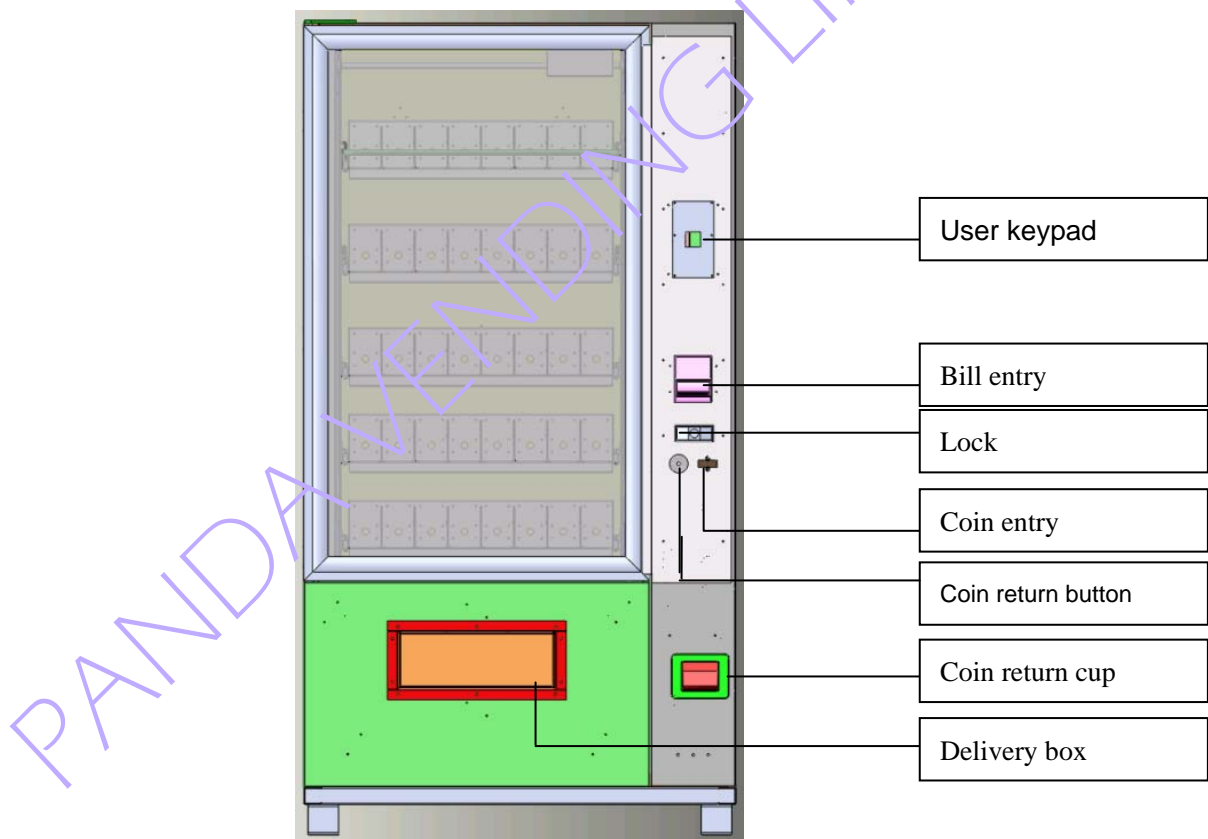
Chapter 3 Descriptions of vending machine

3.1. Specifications and fields of application

It can sell bottled or canned cold beverages with specialized size (at an adjustable temperature of 3°C ~14°C) and also vend small regular supplies such as snacks. It was featured at a combination function of a set of beverage machine with a set of non-refrigerated snack machine, adaptable to changes of different seasonable to save electricity costs site rentals and invested capitals on machinery.

3.2 The sketch maps of vending machines and their key parts

(1) The out look sketch map



Lock: It is a sort of vending machine-oriented lock with high Intensity and excellent quality for against theft.

Toughened glass: It's a sort of high intensity glass with safe quality to man In case of crashed.

LCD: A visual interface used here to show the operating status of machine.

User keyboard: Used for buyer to execute the vending operation.

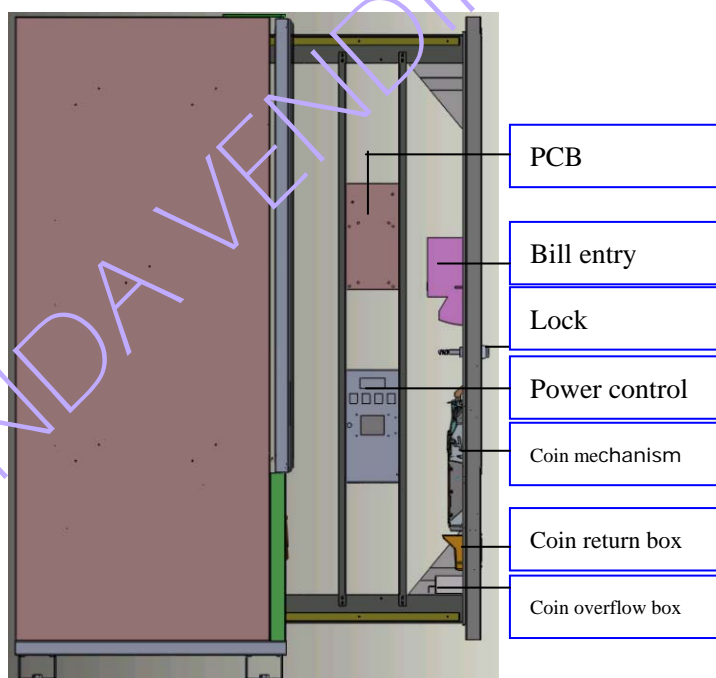
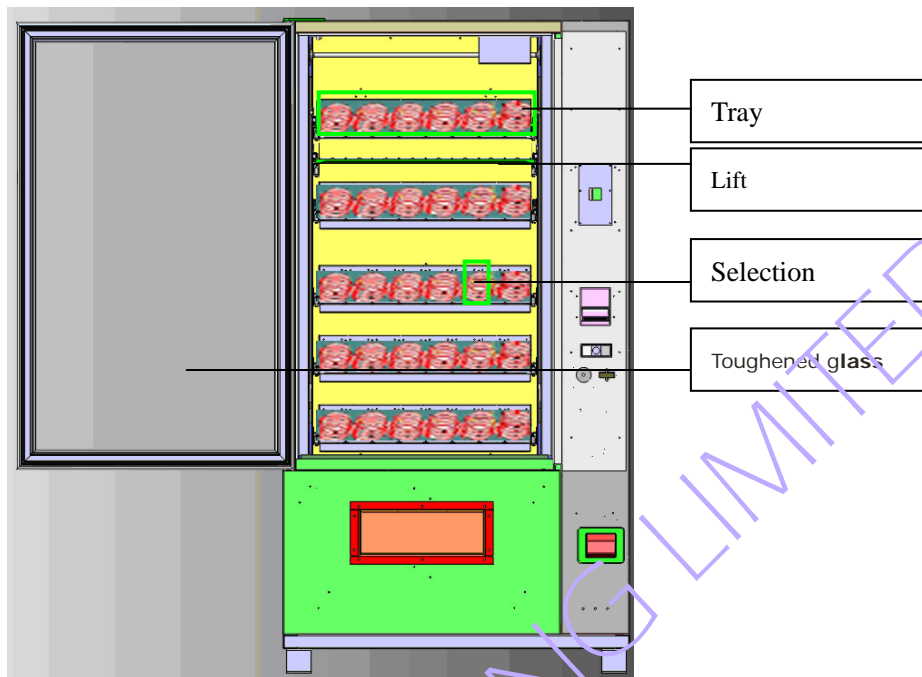
Bill entry: insert a bill here for buyer.

Coin return button: a key for buyer to press to get his/her changes.

Coin entry: Insert coins here (one by one) for buyer.

Coin return cup: Buyer gets his/her coin balance here.

(2) The inside looks of machine



Please refer to the relative section of the machine for illustration

Tray: product loaded here and dispensed by its spiral as a vending action.

VMC: the micro-computer controller of vending machine with 6 tray interface from A to E, MDB interface, power supply interface, temperature controlling board interface, etc.

Service keyboard: it gives the service personnel the means to program, retrieve data from, and view diagnostic information about the vending machine.

Bill acceptor, a optional equipment used to accept and store the specific bills.

Coin track: a coin passing way between the coin inserting entry of the vending machine to the entry of the coin mechanism.

Coin return mechanism: a set of mechanism used to pass the return action which origins from the coin return button of the vending machine and ends at the return rocky of the coin mechanism.

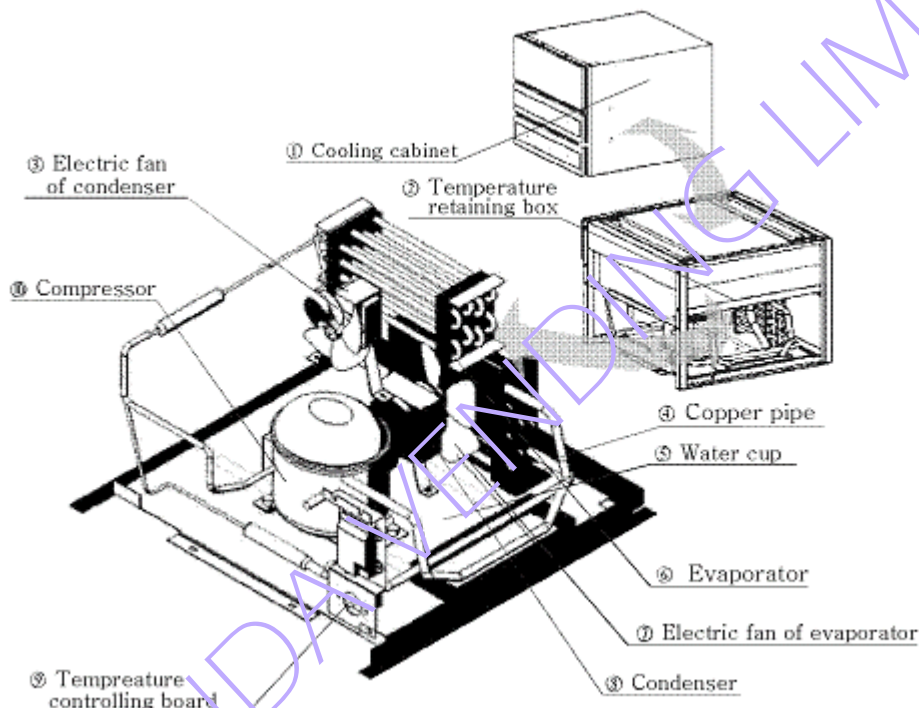
Coin mechanism: A indispensable equipment which is capable of accepting, storing and dispensing coins. It interfaces with the VMC through MDB protocol.

Delivery door: it is either convenient for buyer to get the product or anti-theft.

Cooling system: it is used to decrease, keep at a lower level of temperature.

Spring: it is used to push the item out of the tray while vending.

(3) Sketch map of cooling system



① **Cooling cabinet**, a device capable of storing and dispensing can and bottle beverage.

② **Temperature retaining box**, a special box which is used to keep the temperature of evaporator.

③ **Electric fan of condenser**, a device used to decrease the temperature of condenser.

④ **Copper pipe**: the pipe used to connect the compressor, condenser and evaporator.

⑤ **Water cup**, used to contain the water from the evaporator.

⑥ **Evaporator**, a equipment used to evaporating the cool liquid.

⑦ **Electric fan of evaporator**: a device to blow and convey cold wind.

⑧ **Condenser**, cooling the gas with high temperature and high pressure into liquid with lower temperature and lower pressure.

⑨ **Temperature controlling board**: a PCB used to control the cooling system.

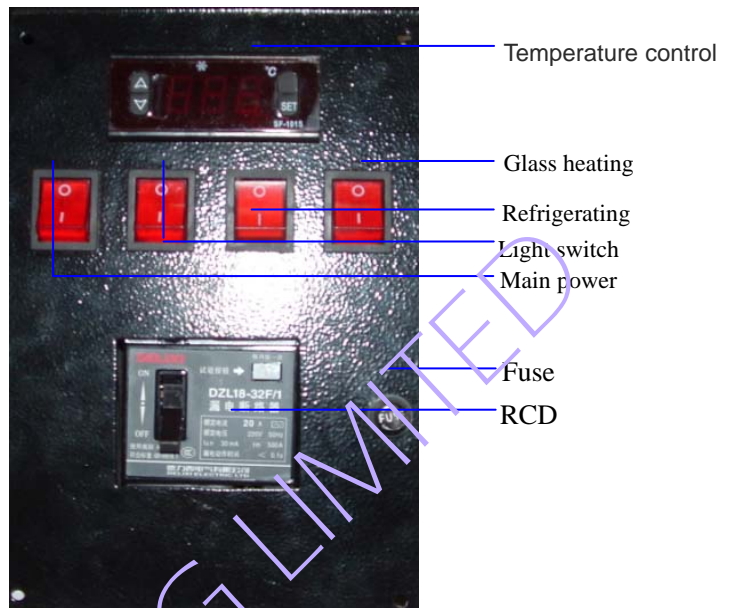
⑩ **Compressor**: used to change the gas with lower temperature and pressure into gas with higher temperature and pressure.

Chapter 4 Administrator Programming Guide

4.1 HOW TO TURN THE VENDER ON?

All the power switches are placed on the power control board as the following picture shows.

- 1) Plug the power harness in;
- 2) Push the RCD (residual current device) to "ON" place to power on the vender.
- 3) Turn on the power switch (the left one).
- 4) Open the other four switches on the panel which control transformer power supply, fluorescent lamp, air conditioning and glass heating respectively.

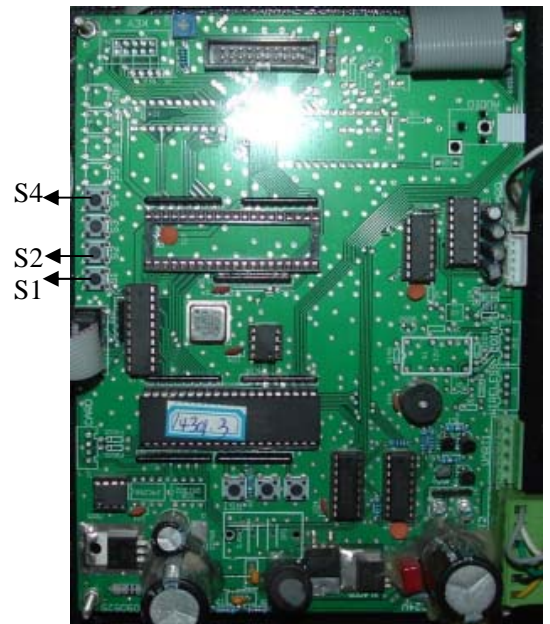


Attention: When the switches which control transformer power supply, LED lights, the power and the air conditioning are open, the lamps in the switch are bright, but when the glass heating switch open, the lamp is off!

4.2 Programs & usages

Four service mode buttons navigate the service menu.

Button	Definition
↑ (8)	This key is used to increase a numeric value, or move forward through the various service mode functions
↓ (0)	This key is used to decrease a numeric value, or move backward through the various service mode functions
# Enter	This key is used to confirm, accept, or enter into a service mode function
*Cancel	This key is used to Exit Service MODE or to leave a service mode function.



Entering service mode

Enter service mode, open the vendor door and Press Button S1, then press S4 quickly (SEE THE RIGHT PICTURE). And the display will show "PLEASE INPUT PASSWORD", the default is 000000. At the time, you can use the keypad on the front of the machine to move through the various service mode menus. The menus will be seen as the following picture shows.

MENUS	DISPALY	EXPLAINATION	Operation step
-------	---------	--------------	----------------

VENDING MACHINE

	> <i>choose cursor</i>	↑(8) <i>upward</i>	↓(0) <i>downward</i>
>LANGUAGE/语言		Choose Chinese or English for vender display	move > and press enter to save
SELECTION INFO	NO *** STOCK *** CAPACITY *** PRICE ***	check stock and capacity of some slot	Input the slot NO or press enter to next slot
SALE PER SELECT	NO *** QTY *** SALES AMOUT ***	Check sales quantity and sales amounts	Input the slot NO or press enter to next slot
TOTAL SALES	TOTAL ITEMS SOLD *** TOTAL CASH SALES ****	calculating the total items sold and total cash sales for all slots	Press cancel to return
BILL&COIN QTY	BILL 1 *** ... BILL 8 *** COIN1 ***... COIN8 ***	Cash & coin quantity received	Press enter to page down
CHECK ID		Check the ID	Press cancel to return
ERROR LOG	MOTOR ERROR PAYMENT SYS ERR LOCK THE VMD		Choose the subdirectory menu and press enter to check error code and press enter again to clear the error records
CASH TOTAL DATA	TOTAL BILLS TOTAL COINS TOTAL CHANGE TOTAL CASH BOX		Choose the subdirectory menu and press enter to check the sum
SET SELECTIONS	NO 001 PRICE 5.00 CAPACITY 060	Set the unit price and stock of some slot	Move > to choose and input the set figures, also the price and the capacity
	The capacity must not exceed the maximum capacity. and capacity=199 means no limit		
SET TRAY PRICE		set the same price for Selections on each Tray	Input the tray NO and the tray price figures
SET SINGLE PRICE		set the same price for all Selections in the vender	Input the price figures
SET PAYMENT SYS	1 SET BILL RETURN 2 GIVE CHANGE 3 MAXIMUM CREDIT 4 SET BILL COIN FORCE VEND	set the features of the payment system	Choose the subdirectory menu and set
SET DROP SENSOR	1. SET ALL MOTORS 2. SET single MOTOR 3. CANCEL MOTOR 4. TEST SENSOR 5. SENSOR SELF TEST BEFORE SELECTION	Set the drop sensor test method and set according to your need	See 4.2.13
SET TEMPERATURE	↑(8) ADD ↓(0)REDUCE SET TEMPERATURE **	Set temperature	Input numbers or press ↑(8) / ↓(0) to ADD/REDUCE
SET TIME		Set date and time	Input the Corresponding figures
SET PASSWORD	ENTER NEW PASSWORD *****	Set a new password for entering menus	Input the new numbers
TEST MOTOR	INPUT 0 TEST ALL INPUT MOTOR # *** *START #RETURN	Test the motor. Input the selection ID, the	Input the selection ID NO. ; 0 means all motors

		motor of this ID will move around	
COIN FILL		Shows the count of the coins of each denomination	Shows the sum when you manually insert coins
DROP SENSOR ERR	GIVE CHANGE VEND NEW MOTOR	Two ways to be set when the vending has been failed	Choose and enter
SEND ERROR GPRS		Send error message by GPRS	Press enter to set and cancel to return
REAL TIME SALES		Send real time message including trade message.	Set according to your need
MANAGE RECORD	Clear sale data Modify password	Set the manage password and clear all the record data	

4.2.1 LANGUAGE

When the choose cursor point to [LANGUAGE/语言], Press ENTER to language selecting. There are two languages optional, Chinese and English.

4.2.2 SELECTION INFO

This function is used for checking the stock and capacity of any slot. When the choose cursor point to this menu, Press ENTER to the query the stock, capacity and the price of the NO show slot. And press ENTER to next slot, press CANCEL to return.

NO	***
STOCK	***
CAPACITY	***
PRICE	***

Attention: The STOCK amount must be manually updated in program every time after the machine is refilled (Refer to Section 5.2).

4.2.3 SALE PER SELECT

Press ENTER, you will see the sales quantity and sales amounts of ENTER to next slot.

NO	***
QTY	***
SALES	AMOUT

4.2.4 TOTAL SALES

Press ENTER: This function is used for calculating the total items sold and total cash sales for all slots.

TOTAL ITEMS SOLD	***
TOTAL CASH SALES	****

4.2.5 BILL&COIN QTY

Press ENTER to inquire the Cash quantity. It will display:

BILL 1	***
BILL 2	***
BILL 3	***
BILL 4	***

Press any button except the cancel button. It will display:

BILL 5	***
BILL 6	***
BILL 7	***
BILL 8	***

Press any button except the cancel button again. It will display:

COIN 1	***
COIN 2	***
COIN 3	***
COIN 4	***

Press any button except the cancel button again. It will display:

COIN 5	***
COIN 6	***
COIN 7	***
COIN 8	***

Press CANCEL to return.

4.2.6 CHECK ID

Press ENTER, the page will display the ID is *****.

4.2.7 ERROR LOG

Enter to this page, it will display:

MOTOR ERROR
PAYMENT SYS ERR
LOCK THE VMD

4.2.7.1 MOTOR ERROR

Press ENTER, it will display:

***SLOT	CODE**
***SLOT	CODE**

4.2.7.2 PAYMENT SYS ERR

Press ENTER, the menu display as shown, it is used for processing the status of the coin system in trouble. You can press ENTER to clear the records.

BILL	*** **
CHANGER	*** **
CASHLESS	*** **
CLEAR PRESS	*

4.2.7.3 LOCK THE VMD

Press ENTER, it will display:

If the vend fails, the VMD will be locked automatically.

SERIES ERROR WILL
LOCK VMD INPUT 9
NEVER LOCK

4.2.8 CASH TOTAL DATA

Press Enter, it will display as shown. You can use this function to check the total cash data.

4.2.8.1 TOTAL BILLS

Press Enter, it will display the bill amount and the bill quantity.

TOTAL BILLS
TOTAL COINS
TOTAL CHANGE
TOTAL CASH BOX

4.2.8.2 TOTAL COINS

Press Enter, it will display the coin amount and the coin quantity.

4.2.8.3 TOTAL CHANGE

Display the change amount.

4.2.8.4 TOTAL CASH BOX

Display the cash amount

4.2.9 SET SELECTIONS

Users can set Prices for Individual Selections.

The right figure is the interface of 001 slot Settings. For example, you want to set the unit price of the 001 slot to be 5, the capacity as 50; you can execute the following steps:

NO	001
PRICE	5.00
CAPACITY	060

- 1) You can input 005.00, see the right figure, if the digital changes, but the decimal point doesn't change, and the zeros in the front of number won't be displayed.
- 2) After setting the unit price, you will hear "beep" sound, and turn to modify the capacity of the slot.
- 3) If input 050 as the capacity (you must input 3 digits words, if it is insufficient, please enter 0), the change of the surface is as shown below. **The capacity will be unlimited if it's set as 199.**
- 4) When the Setting finished, the system will turn to the setting surface of the 002 slot after a beep. If it needs to reset, please follow the above steps, or click "cancel" button to turn to other slot settings, otherwise, please click "ok" on the keyboard to exit, the slot parameters that you have set will be saved automatically.

NO	001
PRICE	20.0
CAPACITY	050

Attention: the capacity of the slot must not exceed the maximum capacity, which depends on coil number of the spring (e.g., the max capacity of a 15-coil spring is 15).

4.2.10 SET TRAY PRICE

Allow user to set prices for Selections on each Tray

4.2.11 SET Single price

Allow user to Set prices for all Selections

4.2.12 SET PAYMENT SYS

The function is used to set the features of the

1 SET BILL RETURN
2 GIVE CHANGE
3 MAXIMUM CREDIT
4 SET BILL COIN FORCE VEND

payment system of the machine.

4.2.12.1 SET BILL RETURN

Bill stayed at the recycler before dispensing the item or not

4.2.12.2 GIVE CHANGE

Coin change giver enabled/disabled

4.2.12.3 MAXIMUM CREDIT

Maximum amount of cash inserted at one time

4.2.12.4 SET BILL COIN FORCE VEND

This menu is used to Enabled/disabled the acceptance of denominations of bills and coins. "1111111111111111" is the default value; the end digit indicates the smallest denomination of the bills /coins, increasing from right to left.

"1" indicates "accepted", "0" indicates "unaccepted".

For example: Bill validator can accept two denominations \$1, \$5. We will make Bill \$1, to be accepted, Bill \$5 unaccepted, then we set the right digit as "1", the second right digit as "0".

Coin changer can accept two denominations \$0.1, \$0.5. We will make coin \$0.1, accepted, Coin \$0.5 unaccepted, then we set the right digit as "1", the second right digit as "0".

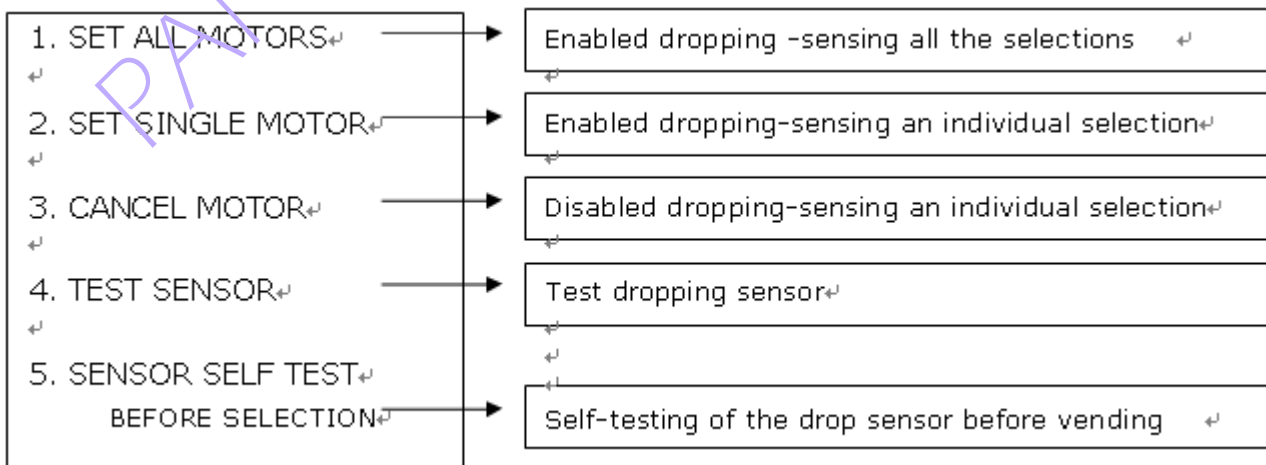
```

1. SET BILL KINDS
   1111111111111111
2. SET COIN KINDS
   1111111111111111
    
```

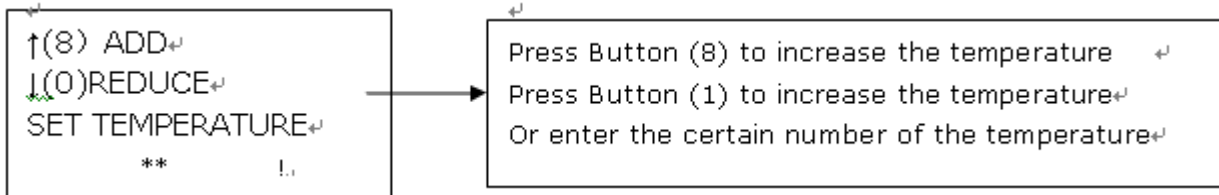
```

1. SET BILL KINDS
   111111111111101
2. SET COIN KINDS
   111111111111110
    
```

4.2.13 SET DROP SENSOR



4.2.14 SET TEMPERATURE



4.2.15 SET TIME

Set time of the machine “years—months—days—hours—minutes—seconds”

4.2.16 SET PASSWORD

ENTER NEW PASSWORD

4.2.17 TEST MOTORS

(Note: You must first disable drop sensor <Re: 4.2.13 SET DROP SENSOR> before testing motors, otherwise the motors will rotate 90 degree more <i.e., 450 degree> during the test)

After entering to menu, it will display:

If you choose the 0 side of all aisles, it will test all the rotation of the aisle. If you choose “INPUT MOTOR”, it will test only the aisle rotation. For example, if you input 001, it is only to test 001 aisle rotation. * indicates input began after keys. # indicates return to interface.

INPUT 0 TEST ALL
INPUT MOTOR #

*START #RETURN

4.2.18 COIN FILL

Shows the count of the coins of each denomination being inserted .Manual dispense of the Coin mech. is enabled in the menu option.

4.2.19 DROP SENSOR ERR

This menu is used when the vending has been failed. When the cursor has being point to this menu, Press ENTER to enter to this menu, it will display:

You can select [give change] to give back you money. Also you can select [vend new motor] to continue another vending.

GIVE CHANGE
VEND NEW MOTOR

4.2.20 SEND ERROR GPRS

If you want to send error by GPRS, you can choose this item.

4.2.21 REAL TIME SALES

If you want to know the real time sales, you can choose this item.

4.2.22 TEST LIFT

This menu is invalid now, and could be extended in future. The lift system will make self-check and be automatically repositioned every time when the machine is restarted.

4.2.23 POSITION LIFT

This menu is used to control the lift position. If the lift stopping position is not correct with the chosen tray position, please do these steps:

- 1) Input 1 and then press "enter" to position tray 1;
- 2) Press S1 or S2 to locate the lift to tray 1 position (**press S1 to move upwards the lift or press S2 to move downwards the lift**).
- 3) After adjusting the position, please press "enter" and the tray number (1) displayed beside the ENTER on LCD will disappear, and this means the tray 1 position has been rearranged. .
- 4) Then input 2 and press "enter" to position tray 2 and repeat the above steps 2) & 3) to rearrange the tray2 position.
- 5) Please position other trays (the bottom tray need not to position lift) as per the steps 1),2) & 3).
- 6) After adjusting all the trays position, please press 0 key and the cursor will move down to the "delivery box position" adjusting function, please Press S1 or S2 to move the lift to the delivery box position.
- 7) After adjusting the delivery box position, please press "enter" to save.

4.2.24 MANAGE RECORD

Please enter the password and the factory password is 000000.

Clear sale data Modify password

4.2.24.1 CLEAR SALE DATA

If you want to clear all the record data, you can choose this item. Press ENTER to enter to this page, it will display:

CLEAR ALL RECORD YES NO

4.2.24.2 Modify password

means modifying the management password when entering the MANAGE RECORD, six digits only. And the default password is 000000.

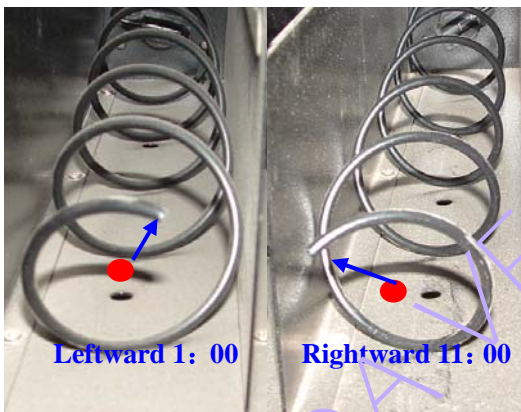
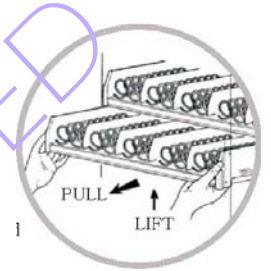
If you decide to change the password, please enter the new password slowly and carefully. The two entered passwords must be the same in the processing of reset a new password.

Chapter 5 Guides for Loading Product

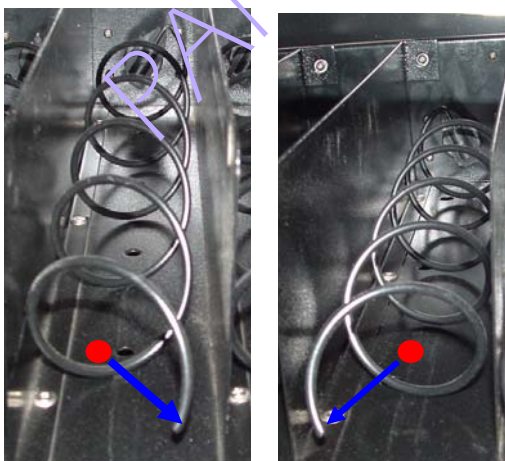
When there is no goods in some column, please add goods in time. Pay attention that the goods loaded must be equal to the selection capability set. Please load goods according to the following two steps.

5.1 Manually loading products

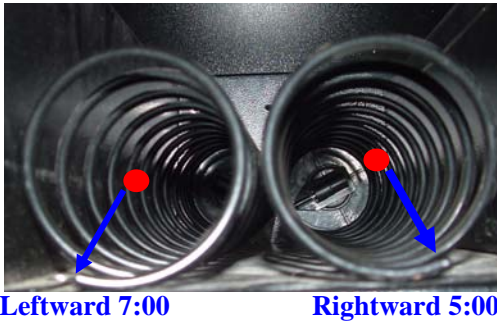
- 1) Put both hands on the tray and Pull the tray toward you enough then you will let the tray into the loading position.
- 2) The width, thickness and height of the loaded items should match with the width of the tray column, the screw-pitch of the spiral and the distance between the tray and the neighboring upper tray respectively.
- 3) The items should be in succession put rearwards and avoid suppressing the spiral.
- 4) To avoid the bottled drinks falling down accidentally or jammed by the spirals, they should be loaded to the column where the starting position of the spiral points to the direction of 1 or 11 o'clock (leftward or rightward) as shown below.



- 5) To avoid jammed by the spiral, the bagged, and canned items should be loaded to the column where the starting position of the spiral points to the direction as shown below.



6) To avoid jammed by the spiral, the small bagged items should be loaded to the column where the starting position of the spiral points to the direction as shown below.



- 7) Other item without above mentioned singular package should be loaded by trial.
 8) Push the tray toward the back of the cabinet, and then return the trays to the vending position.

5.2 Update STOCK amount in program

After all columns are refilled, press [S2] key on mainboard and a hint will be displayed on LCD to ask if all columns have been refilled. At this time, please press "enter" to confirm, and the STOCK amount of each columns will be updated.

NOTE:

- ①Steps 5.1 and 5.2 must be done when adding goods generally.
- ②the loading goods quantity in some selection must be equal to the set capacity(see 4.2.9 SET SELECTIONS)
- ③when capacity=199 (unlimited), step 5.2 need not to do.

Chapter 6 Refrigeration settings

6.1 Adjust the controlling temperature

Press Button SET, the temperature number will flash, and then press "△" or "▽" to increase or decrease the temperature. Then press SET to confirm and exit. If not press any Button, It will go back to the previous temperature in 10 seconds.

6.2 Temperature control

When the machine is switched on, the actual inside temperature is higher than the controlling temperature + temperature allowance, the compressor will start. The compressor will start. When the actual inside temperature is lower than the controlling temperature + temperature allowance, The compressor will stop.

Note: In order to protect the compressor, the stand-by time must exceed to delay time (default value: 4 minutes).

6.3 Parameters setting

Press Button SET ,and hold for 6 seconds, and enter into parameter - setting page .The page show E1 and flash , press again and it will show the default value .(Press Button Δ or ∇ to modify and save the new value).

Press Button SET to set E2, E3, E4, E5 following the above steps like E1.

If you don't press any button in 10 seconds, it will return to normal operating mode and save the new value at the same time.

Parameter	Function	Setting range	Default vale
E1	Lowest controlling temperature	-45°C ~ controlling temperature	-2°C
E2	Highest controlling temperature	controlling temperature~45°C	20°C
E3	Temperature allowance	1~10°C	4°C
E4	Delay time	0~10min	4min
E5	Temperature adjustment	sensor	-10~10°C

6.4 Parameters Lockout

Press and hold Button ∇ for 10 seconds, it displays OFF, which means the parameters are locked. Once in lockout status, the parameters and controlling temperature value can't be modified .If it displays ON, it means the parameters are unlocked. (Default value = ON)

6.5 Timing defrost

After working for a defrost period (Default value = 2hours) , the compressor will stop automatically ;after the defrost time(Default value = 15mins), it will go to the refrigeration mode automatically.

When Defrost Period = "00", the defrost function will be cancelled. Press Button SET, and hold for 6 seconds, and enter into parameter - setting page.

The page displays F1 in flash, press again and it will show the default value (Default value= 15mins).Press Button SET again to set the F2 (Default value = 2hours). (Press Button Δ or ∇ to modify and save the new value).

If you don't press any button in 10 seconds, it will return to normal operating mode

Parameters	Function	Setting range Value	Default
F1	Defrost time	1~30mins	15mins
F2	Defrost period	0~12hours	2hours

6.6 Over temperature mode

The temperature must not exceed the safety one. When the temperature sensor sensed the actual temperature inside of the machine is higher or lower than the limit , it displays "HH"or "LL".

Chapter 7 installing a coin mechanism

Coin mechanism is an indispensable equipment of the vending machine which is used to accept, store coins and to give changes. The vending machine employs the MDB protocol as the communication interface between the VMC (vending machine controller) and its equipments. So you should install a coin mechanism with MDB protocol and some proper coin tubes in the vending machine.

You can select a coin mechanism either via our company or from any other third party whoever can offer the equipment.

Before connecting a coin mechanism with the VMC by their MDB plugs, please power off the vending machine.

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Chapter 8 the maintenance and trouble shooting

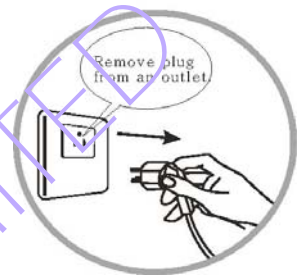
8.1 cleanness and maintenance of the machine

Clearing the inside and outside parts of machine by using a soft towel or sponge with neutral liquid in a given period. Neither using scrubbing brush, steel wire brush, nor using acid liquid such as decontaminating powder, gasoline, banana water, acet and the like. Never wash any circuit board of the machine for insulation-protection reason.



8.2 maintaining the machine

If the machine is not used for a long time, its power supply should be cut off by unplugging the power outlet.



8.3 Troubleshooting

items	Symptom	Cause	Fix/remedy
Cable harness	No messages or reaction on the customers keypad screen after power on	1.the plug of Machine is loose 2.Security device inside machine is Off	1. Plug in the socket firmly and tightly 2. press the button to switch it on
	when customer make a selection, the column ID is Invalid	Relative motor assembly is broken; Main controller board problem; Or connection Problem	Change motor Assembly; check the harness relative; replace the main board of small motors,
	All the column ID for a whole tray are Invalid	Malfunction in main Board driving part or bad connection btw trays and transferring panel	replace the main board, check the harness relative
Bill validator	red light of the bill validator is on display message reads: Coins Only bills inserted can't be accepted	Bill insert passage way get stuck	Take off the bill validator, press the button to open the sensor part of recognition, clear the jam and reinstall the validator onto the machine.
Delivery System	certain motors do not work in a good condition	1.motor is broken down 2.Micro-driving switch is in bad connection or malfunction 3.One of cables are broken 4.malfunction is in the driving parts of main board or bad connection between tray and transferring Panel	1.repair or replace motor 2.connect switch 3.repair of replace cable harness of motors 4.change the main board or repair the circuit of motor driving
	goods was prevented moving by springs, thus can't fall into the delivery box	goods is not matching the delivery spring	adjust/change goods into a suitable track
	Goods is not delivered but credit is enough much.	1.the selected products are all sold out; 2.products are not completely pushed out(spring turned half a circle); 3.motor connection coupler is broken; 4.jam inside delivery motor; 5.springs for delivery Block products	1.load products 2. Try purchase again 3.replace coupler 4.make adjustments or replace the motor.
	motor of any track stays in a certain Position	1.bad touch or malfunction in limited switch; 2.shape of coupler is changed erratically	1. Replace new switch for position limit. 2.replace coupler
	Machine beeps when the door closed, showing error message.	Situations are as described in operator's guide	1.reset power 2.correct the error by following instructions shown on display

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Main control board	Display shows out of service vendor doesn't accept cash customer unable to purchase.	1.during no-vend period; 2.not motors available for using 3.malfunction on motors or relative connection is abnormal 4.MDB cable harness problem 5.power supply problem 6.coin mechanism is broken 7.problem in main board	1.modify settings; 2.repair or replace motor; 3.repair of change connection harness; 4.repair or change MDB cable harness; 5.connect power cable or replace battery; 6.repair or replace the coin mechanism; 7.replace the main board with a new one
	No display; disordered display message; continuous beeping sound	1.Power problem 2.display board problem 3.main control board	1.replace the switch with a new one or adjust connection to reset the main board; 2.replace it with a new LCD display; 3.replace main control board
	the display screen is streaked with Serious dark lines	malfunction in LCD Display	replace it with a new LCD display
coin mechanism	the display shows "No changes, please continue Buying	Lack of change coins inside the coin box	add adequate amount of coins into coin box
	Coins can not be inserted or machine can't detect coins	rare object or coins get stuck in entrance or passageway or coin sensor	1.use a tweezer or other tools pick out the rare object that stuck inside the coin mechanism 2.pull out the sensor tenderly and clear the stuck
	Incorrect changes after vends	1.No enough changes or coin mechanism can't recognize enough changes inside itself 2.coin return track jam 3. Abnormal stuff gets into mechanism that prevent coins fall into coin return cup. 4.erractic coin return because coin erected in coin tubes 5.coin is stuck with dirt like adhesive Tape	1. Loading coins properly under guide under supervisor's test mode, inserting coins directly, Press esc button to quit mode. 2. Clear the jammed stuff 3.clear coin return track 4.add a proper amount of coins into the coin box and give out one coin for inspection on Change-giver. 5.take out and clean the coins from mechanism
Refrigeration system	compressor does not work	1.Temperature-Control Board is malfunction, compressor is powered off or bad Connection in Harness	replace temperature-control board, switch on compressor, check harness
	compressor can not stop working	Temperature-Control Board is malfunction or the controlling harness is in bad Connection	replace temperature-control board, check harness
	compressor is working but it can't Cool the beverages; cooling effect is bad	the evaporating fan is broken, cooling system gets stuck, lack of refrigerant 1.machine is too close to wall; 2.compressor is covered with dust; 3.abnormal working condition with motors of fan; 4.Lack of refrigerant; 5.bad sealing the door of cooling box;	move the machine to change its position, clear the dust on the surface of compressor, check motor for fan, ask expert to add refrigerant, adjust the seal of door

Please make sure you are clear how to settle the problems in above-listed events, if problems still can't be solved, please contact after sales service center for inquiry.

Chapter 9 LIMITED WARRANTY

Subject to the limitation specified herein, all parts included on original equipment manufactured by our company and sold to purchaser are warranted for One (1) year from the date of shipment of the equipment in question.

This warranty applies only to the original purchaser of the Merchandiser and is null and void if the Merchandiser is sold during the period of warranty.

Defective parts will be repaired or replaced free of charge when the defective part is returned, with transportation charges prepaid by purchaser, to a destination designated by our company. This warranty does not include any cost of service rendered or repairs made by customer on Merchandiser, or parts, unless authorization to incur such expense has been given in writing by us prior to incurring such expense.

This warranty does not apply to A) electrical components, wiring, or circuits or mechanical parts or assemblies damaged as a result of operating the Merchandiser at other than the design voltage and frequency specified on the Electrical Rating Tag, or B) in event of vandalism, fire or negligence, or C) fluorescent lamps, ballasts, starters or other expendable items, or D) when seal is broken on electronic boards, or E) when other manufactured components are installed in our machines.

OUR COMPANY SHALL NOT BE RESPONSIBLE FOR CONSEQUENTIAL OR PUNITIVE DAMAGES.

PANDA VENDING LIMITED