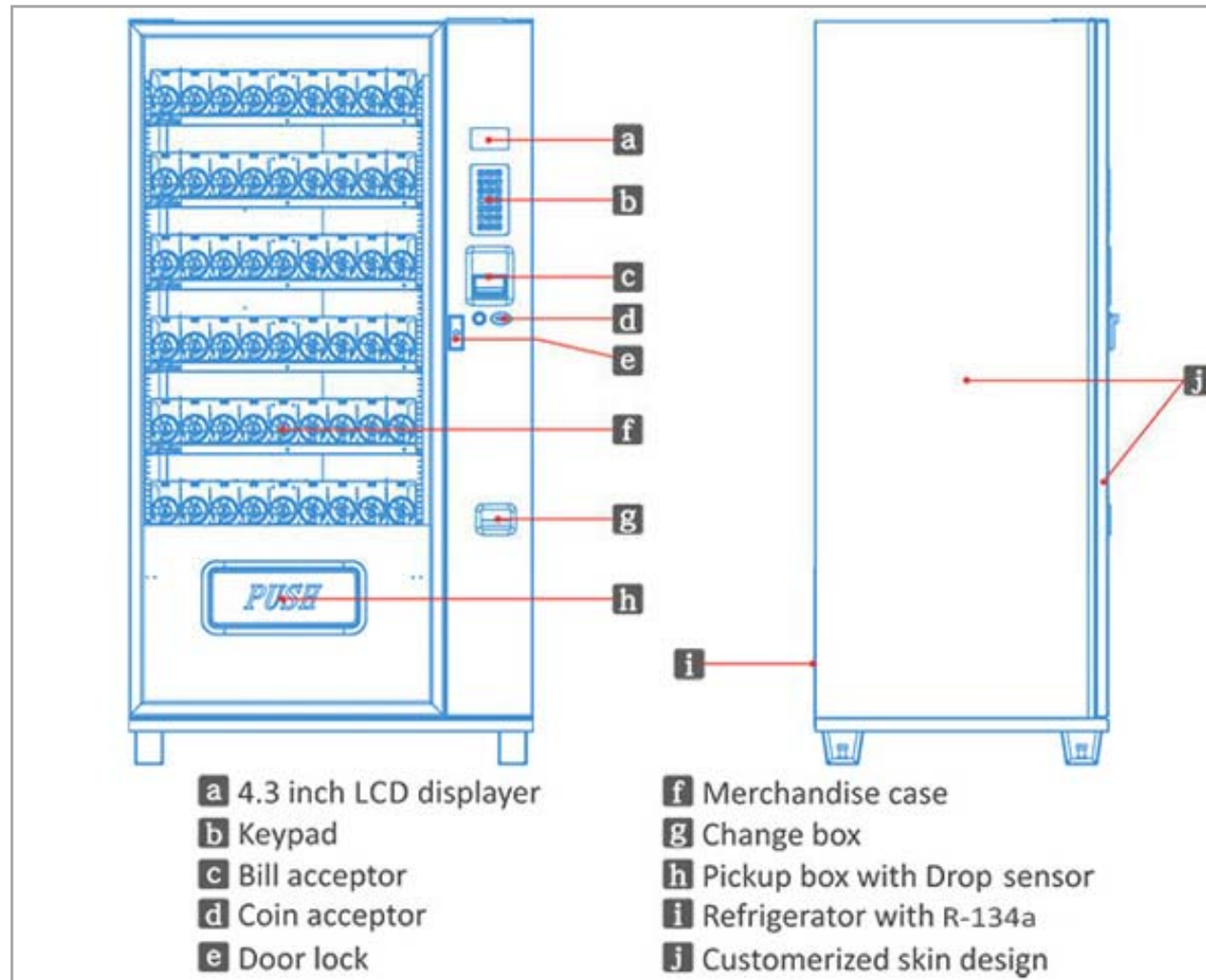
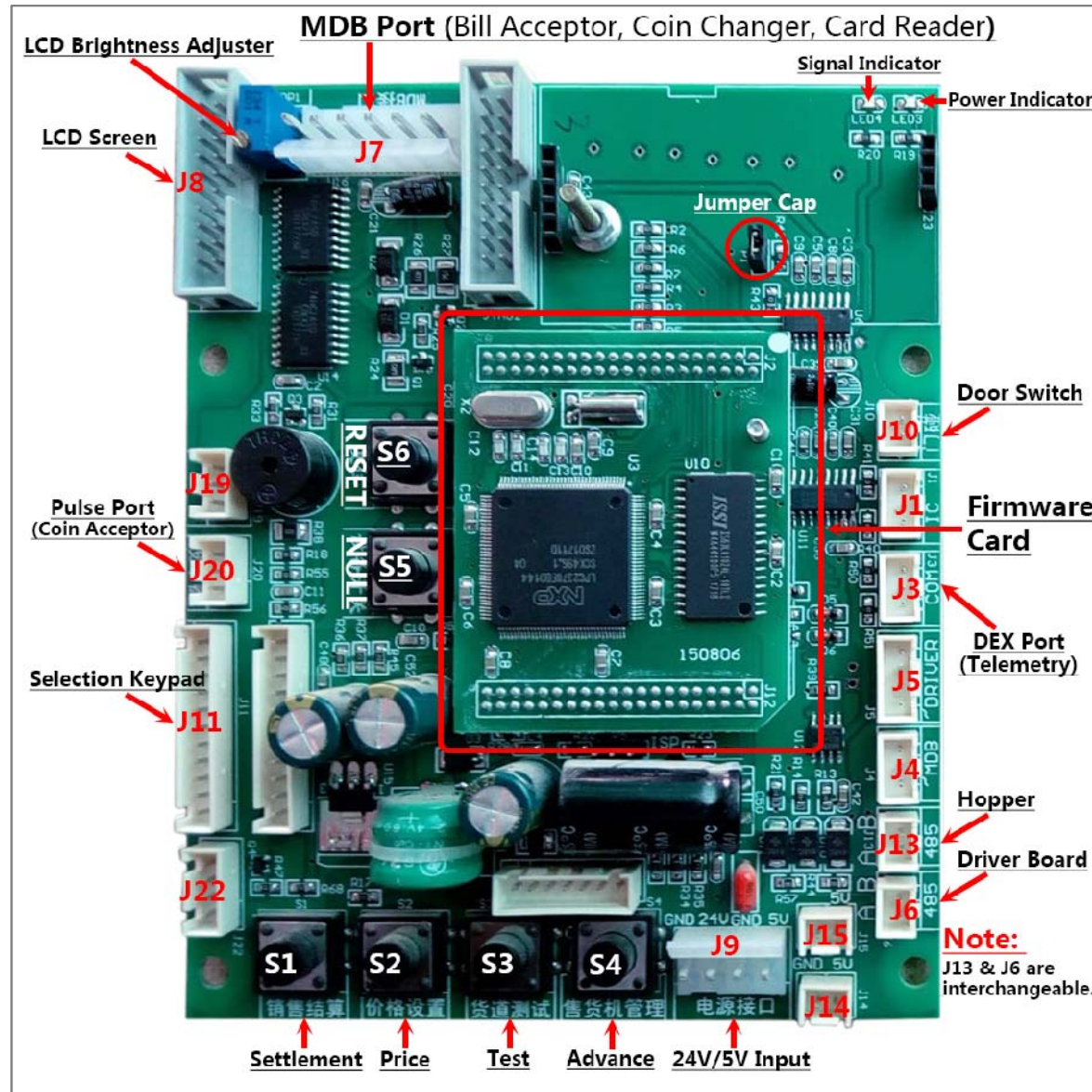


# KM SERIES VENDING MACHINES

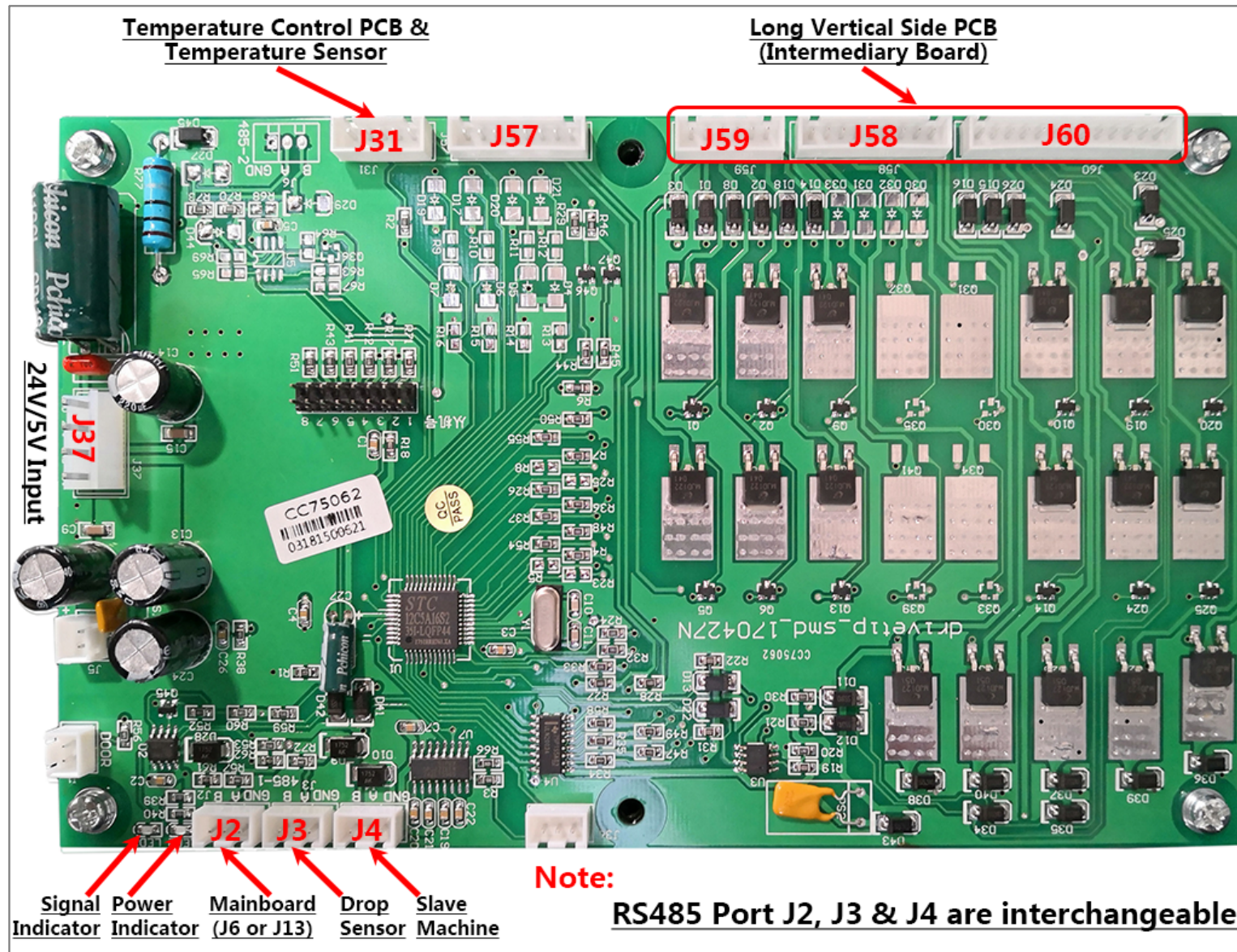


## OPERATION MANUAL

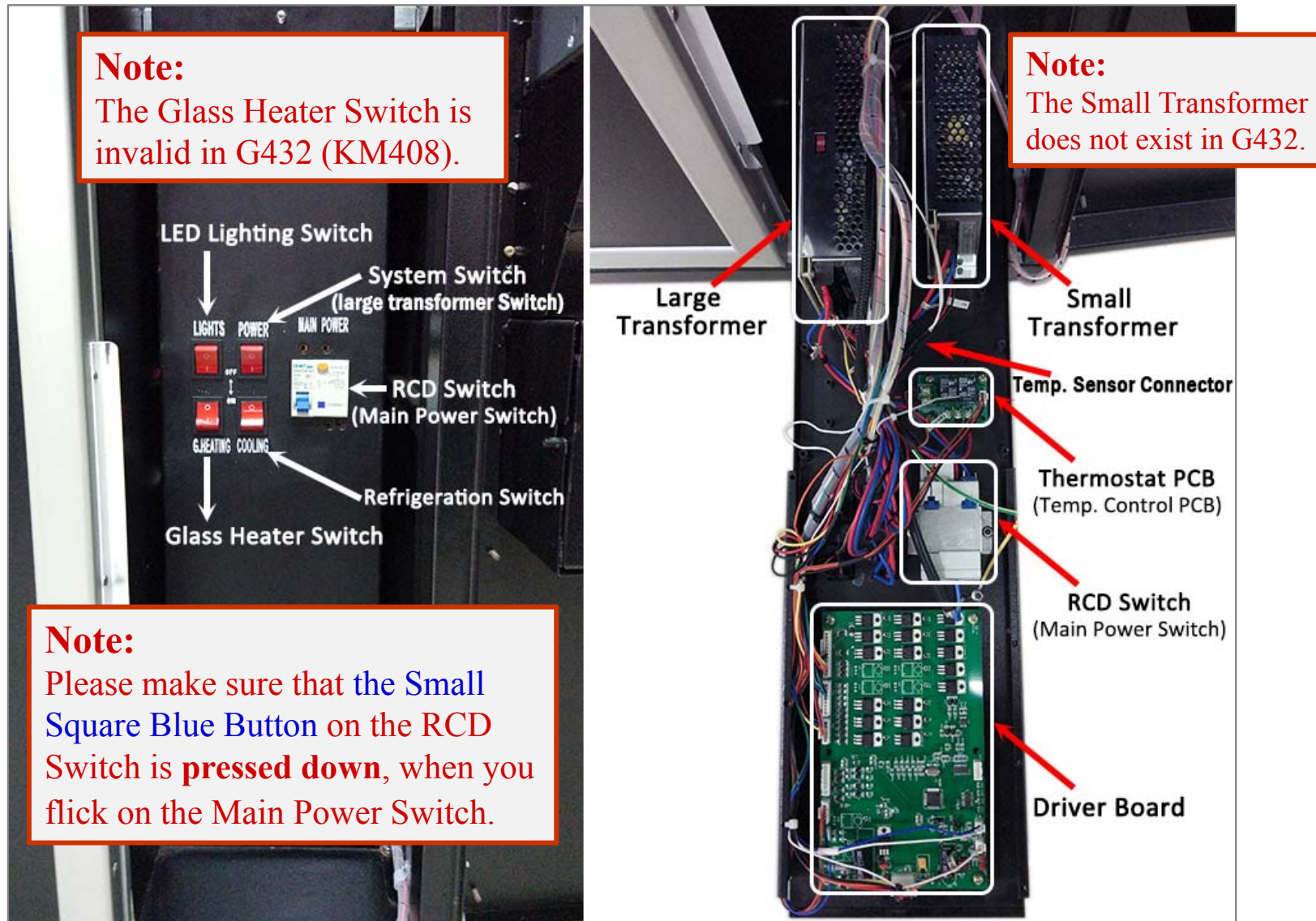
# Main Board



# Driver Board



# Switch Panel

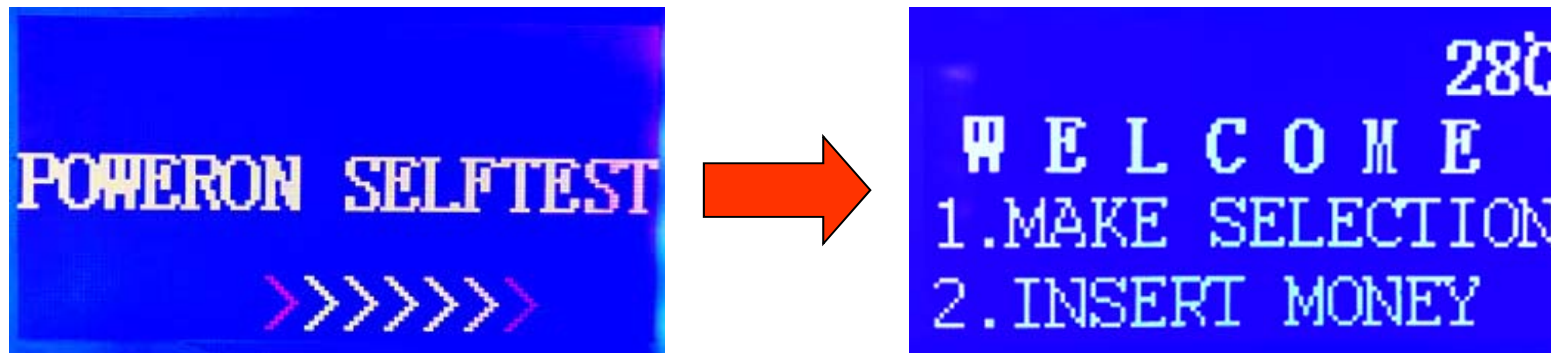


# Selection Keypad



1. In the Standby Mode, here are the roles of the available Function Keys:
  - “H”: Quick View of Machine Status & Basic Settings ([Press repeatedly to shift](#))
  - “↓”: Page Down
  - “\*”: Clear the Credit ([When door is open](#)); Get Money Back ([When door is closed](#))
2. In the Setting Mode, here are the roles of the available Function Keys:
  - “#”: Confirm / Enter
  - “\*”: Cancel / Back / Exit
  - “↓” : Page Down / Cursor
  - “H”: Edit

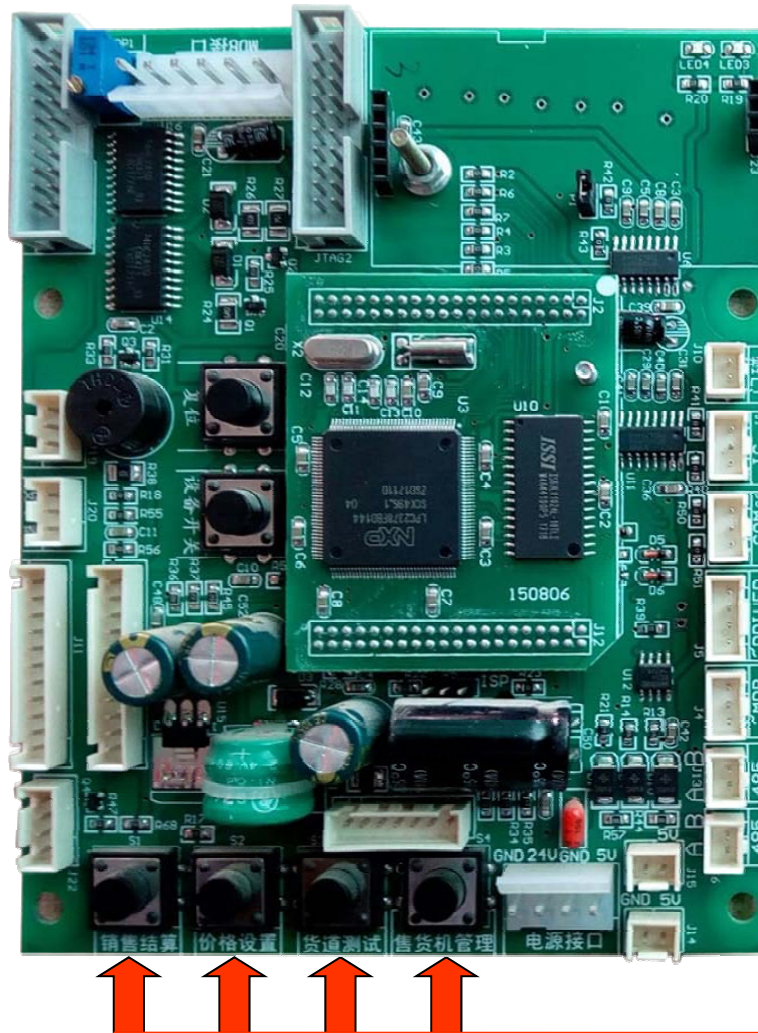
# START & SELF-TEST



When power-on, machine will begin self-checking automatically to check the following items one by one:

- Coin Changer
- Bill Validator
- Card Reader
- All Columns (Motors)
- Driver Board

# SETTING MODE & HOTKEYS



## Note:

You can always enter into SETTING MODE by pressing and holding the hotkey "S4" until you hear a beep. For quick access to "Audit Query", "Price Setting" & "Column Test", you can use the hotkeys of S1, S2 & S3.

### HOT KEYS

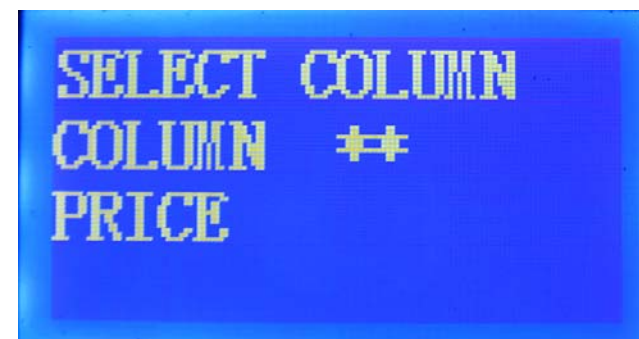
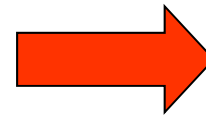
- S 1: SETTLEMENT (Audit Query)**
- S 2: PRICE (Price Setting)**
- S 3: TEST (Column/Motor Test)**
- S 4: ADVANCE (All Settings)**



# ※1.PRICE SETTING

- **Column Price Setting** --- set different prices for each columns;
- **Tray Price Setting** --- set same price for all columns on a tray.

# ※1.Price Setting-----Column Price Setting



Press "1" to enter into PRICE SETTING;  
or Press "↓" to select "1.PRICE SETTING"  
and press "#" to enter

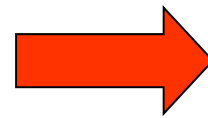


Input Column ID, and then input Unit price, press "#" to save your settings.  
e.g.: Input "A1", then input price, Press "#"



Press '↓' to set the price of the next column.

# ※1.Price Setting-----Tray Price Setting



Press "1" to enter into PRICE SETTING;  
 or Press "↓" to select "1.PRICE SETTING"  
 and press "#" to enter



Input Tray ID and press #,  
 and then input price, press  
 "#" to save your settings.  
 e.g: Input "A", Press "#",  
 then input price, Press "#"



All columns of  
 this Tray are set at  
 the same price.



## ※2.COLUMN TEST

### --- MOTOR TEST

#### **Note:**

Motor Test is very useful, as it can make the motor go back to its starting position. When a motor gets stuck, you can always try to get it homed in by running a “Motor Test” to it.

# ※2.Column Test---Test a single Motor

```

MANAGEMENT
1. PRICE SETTING
2. COLUMN TEST
3. SETTLEMENT
    
```

```

SELECT  **
#      WHOLE TEST
X+#    TRAY TEST
X+N+#  COLUMNTEST
    
```

```

A  A  A  A  A  A
1  2  3  4  5  6
0  0  0  0  0  0
    
```

0 = Ok  
 1 = Motor Driver PCB not Detected  
 2 = Wire Connection Fault  
 3 = Motor Not Detected  
 4/5 = Motor Fails to Home in 4 Secs  
 6 = Driver IC Fault  
 7 = Motor Not Home  
 8 = Motor Jammed  
 Note: The code 6 may also be seen when the tray cable gets problem.

**Notice:**  
 X represents Tray ID: A.B.C...  
 N represents Column ID: 1.2.3...

Press "2" to enter into COLUMN TEST, or Press "↓" to select "2.COLUMN TEST" and press "#" to enter

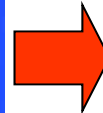
Press key X + N, then press "#", e.g. Press A and 6, then press "#" to test A6

Test the chosen Motor, and it will turn a circle.

# ※2.Column Test---Test all Motors on a Tray

```

MANAGEMENT
1. PRICE SETTING
2. COLUMN TEST
3. SETTLEMENT
    
```



```

SELECT  **
#      WHOLE TEST
X+#    TRAY TEST
X+N+#  COLUMNTEST
    
```



```

TRAY TEST      B3
B B BBB B
1 567 9
0 0 000 0
    
```

**Notice:**  
**X** represents Tray ID: A.B.C...  
**N** represents Column ID: 1.2.3...

Press "2" to enter into COLUMN TEST, or Press "↓" to select "2.COLUMN TEST" and press "#" to enter

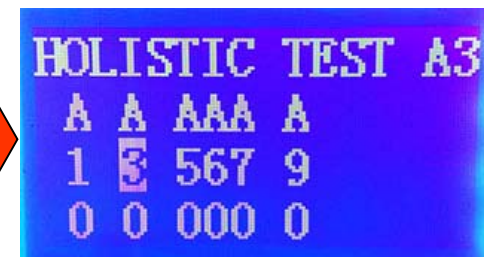
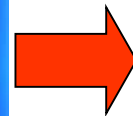
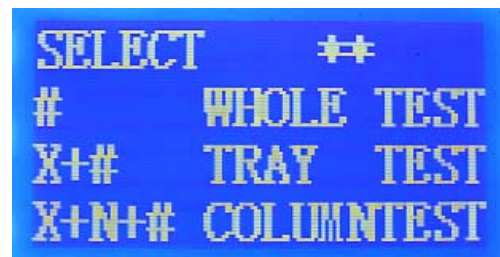
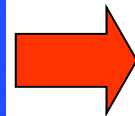


Press key **X**, then "#"  
 e.g. Press B then "#"



All motors of this tray will turn a circle. Press "\*" or close door will stop testing

# ※2.Column Test---Test all Motors in a machine



**Notice:**

X represents Tray ID: A.B.C...

N represents Column ID: 1.2.3...

Press "2" to enter into COLUMN TEST, or Press "↓" to select "2.COLUMN TEST" and press "#" to enter



Press "#"

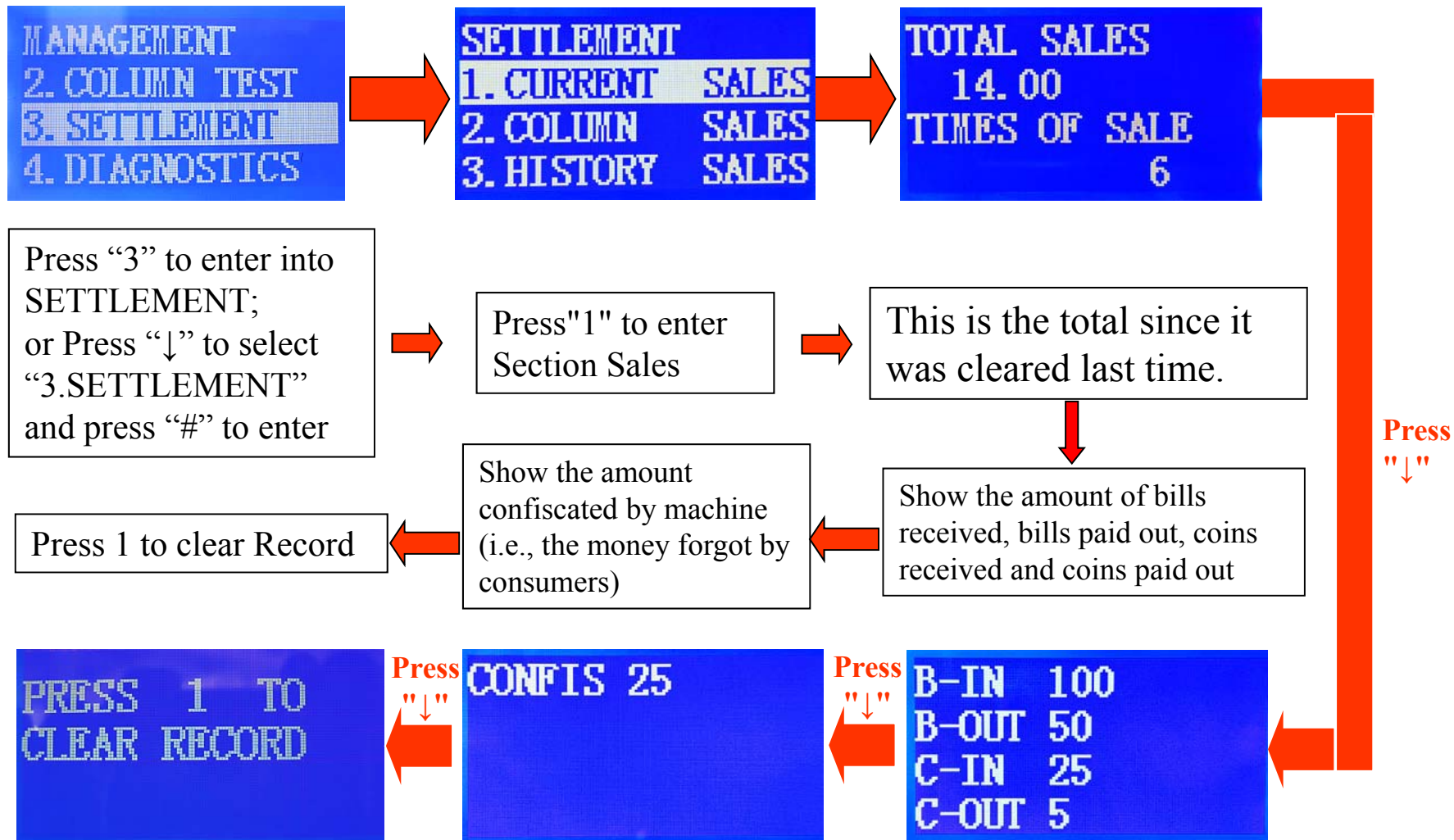


All motors of the machine will turn a circle. Press "\*" or close door will stop testing

# ※3.SETTLEMENT

- Check/Clear Sales Statistics
- Check/Clear Cash Statistics

# ✳️3. Settlement----Current Sales



## ※3.Settlement----Column Sales



Press "3" to enter into SETTLEMENT;  
or Press "↓" to select "3.SETTLEMENT" and press "#" to enter

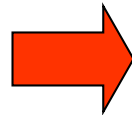
Press "2"

This is the total of the column since the last time it was cleared.  
Input any column code to check or press "↓" to check the next column.

# ※3.Settlement----History Sales

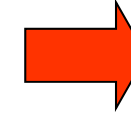
```

MANAGEMENT
2. COLUMN TEST
3. SETTLEMENT
4. DIAGNOSTICS
    
```



```

SETTLEMENT
1. CURRENT SALES
2. COLUMN SALES
3. HISTORY SALES
    
```



```

SALES
14.00
TIMES
6
    
```

Press "3" to enter into SETTLEMENT;  
or Press "↓" to select "3.SETTLEMENT" and press "#" to enter



Press "3"



These are the historical total since machine initialization. It can only be cleared by running Clear Sales in Default Set (Refer to: [Page 29](#))

# ※4.DIAGNOSTICS



MANAGEMENT  
3. SETTLEMENT  
**4. DIAGNOSTICS**  
5. ADVANCED SET

Press “4” enter into  
DIAGNOSTICS ;  
or Press “↓” to select  
“4.DIAGNOSTICS” and  
press “#” to enter

When machine has no errors



MAC IS NORMAL



BILLACCEPTOR ERR

When machine has errors,  
the error codes will be  
shown here. Press “↓” to  
check them one by one.

# ※5.ADVANCED SET

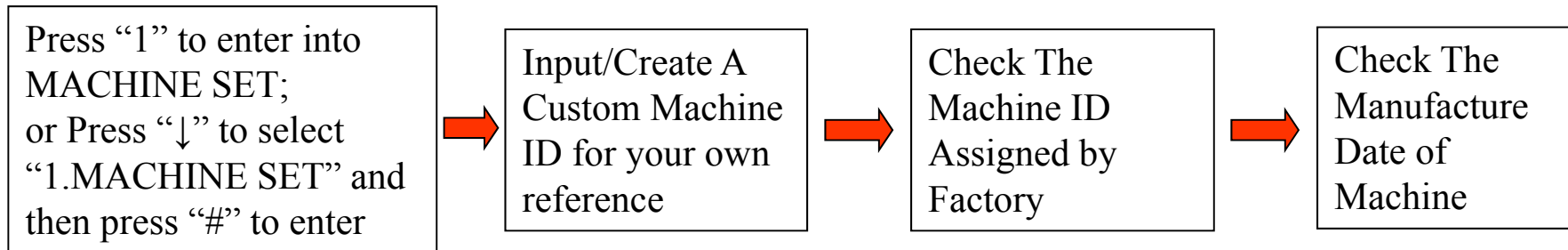
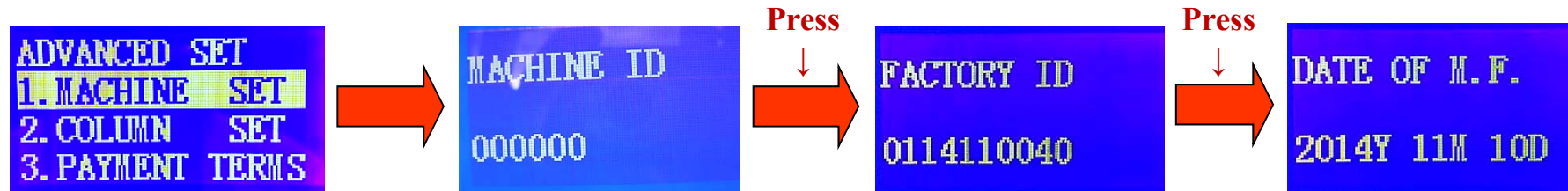


Press “5” to enter into  
ADVANCED SET ;  
or Press “↓” to select  
“5.ADVANCEDS” and  
press “#” to enter

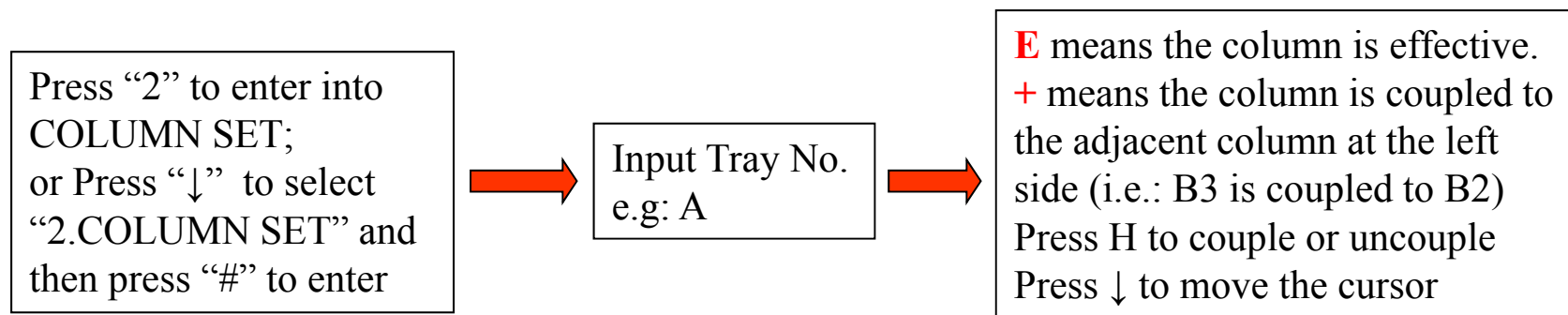
## 5.Advaned Set

- 1.Machine Set
- 2.Column Set
- 3.Payment Terms
- 4.Temperature
- 5.Communication
- 6.Password Set
- 7.Time Set
- 8.Language Set
- 9.Default Set

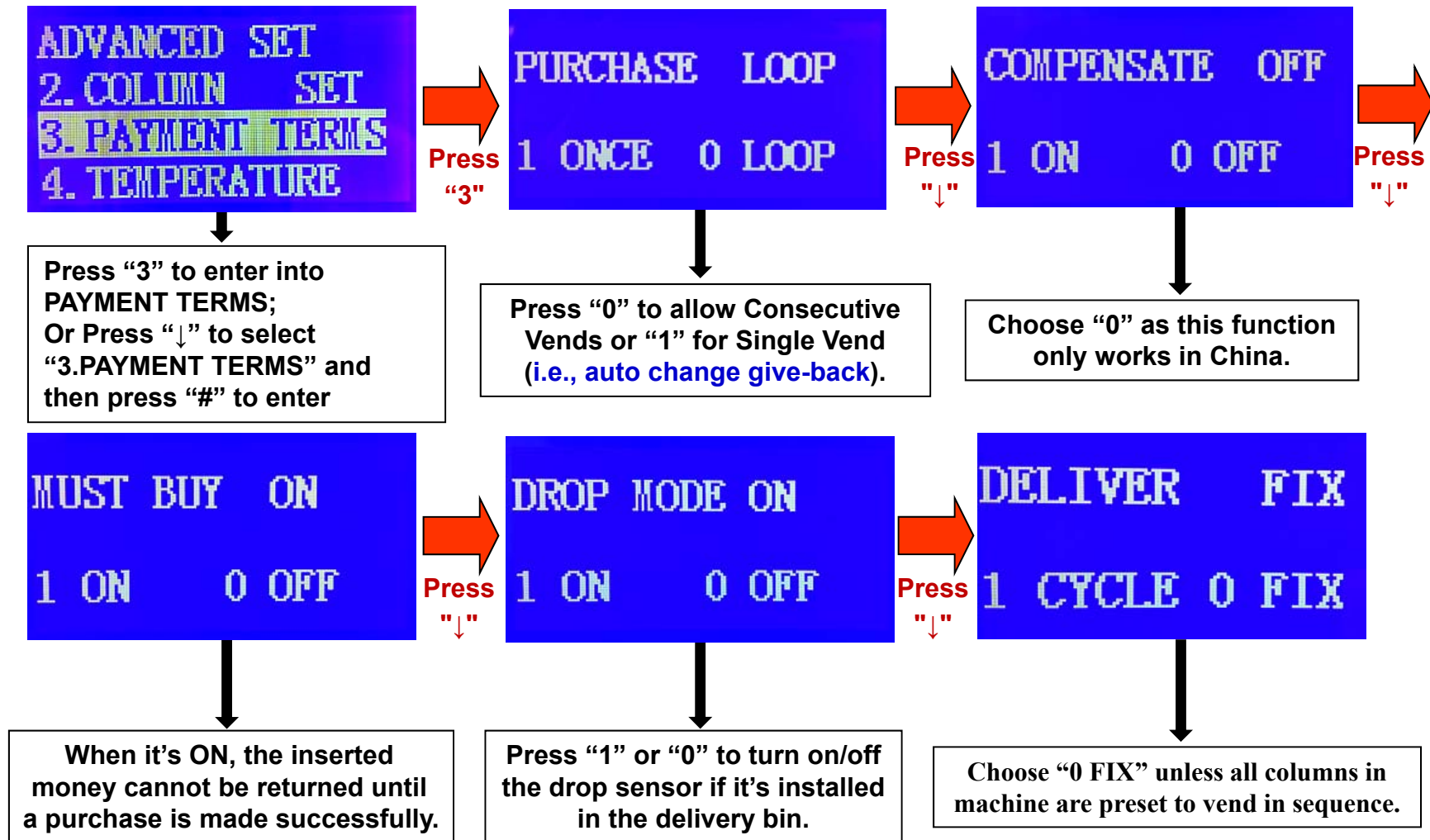
# ※5. Advanced Set----Machine Set



# ※5. Advanced Set----Column Set



# ※5. Advanced Set----Payment Terms



Notice: Press "#" to save your settings; Press "\*" to back up or exit.

# ※5. Advanced Set----Temperature Set

```

ADVANCED SET
3. PAYMENT TERMS
4. TEMPERATURE
5. COMMUNICATION
    
```



```

CURRENT TEMP 18C
TARGET TEMP 03C
    
```



Press "4" to enter into TEMPERATURE;  
Or Press "↓" to select "4.TEMPERATURE" and then press # to enter



Input the Target Temperature and Press "#" to save your settings.

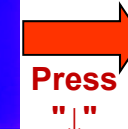
```

CONTROL MODE 1
0 FIXED TIME
1 OPEN
2 CLOSE
    
```



```

CTRL PERIOD 1
ON : 00:00
OFF : 00:00
    
```



```

CTRL PERIOD 2
ON : 00:00
OFF : 00:00
    
```

Press "0" and then press "↓", you can set cooling timer (cooling periods) to start and stop refrigeration system automatically.  
Press "1" to turn on the refrigeration system.  
Press "2" to turn off the refrigeration system.  
Press "#" to save your setting, and the LCD will prompt "SUCCESS".

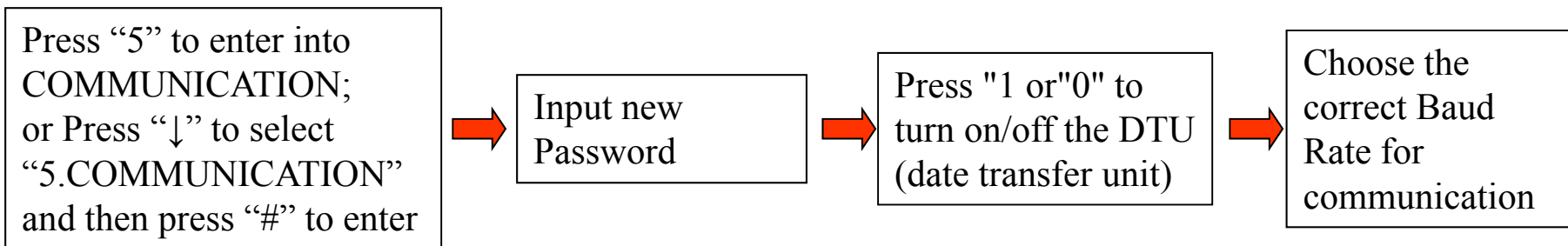
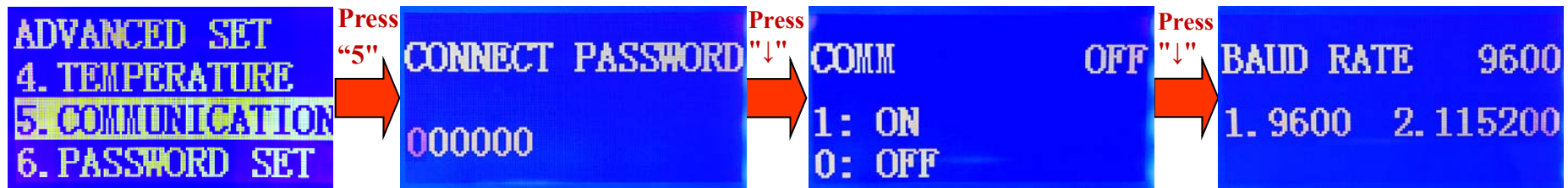
Set start time and stop time of timer 1



Set start time and stop time of timer 2

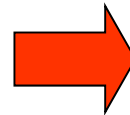
# ※5. Advanced Set----Communication Set

**Note:** Please ignore the below settings unless machines come with our factory's telemetry system.



## ※5.Advanced Set----Password Set

**Note:** For machines produced after June 2015, this password doesn't make any sense, so you can simply ignore it.



Press "6" to enter into  
PASSWORD SET;  
Or Press "↓" to select  
"6.PASSWORD SET" and  
then press # to enter.



Input your own  
password and  
remember it,  
press "#" to save  
your settings

# ※5. Advanced Set----Time Set

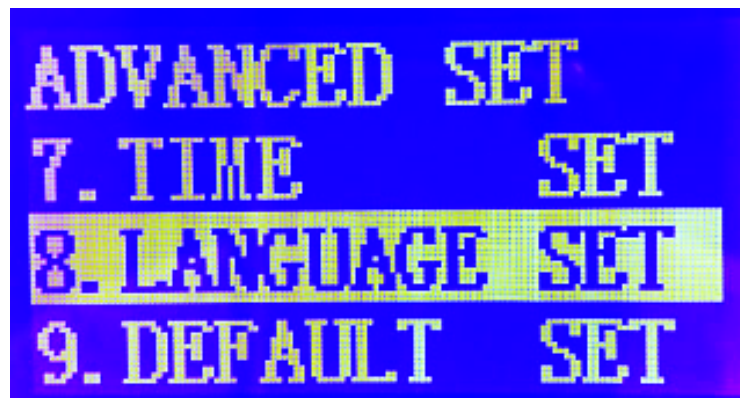


Press 7 to enter into TIME SET;  
or Press “↓” to select “7. TIME SET” and then press “#” to enter.

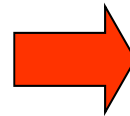
INPUT  
CORRECT  
DATE AND  
TIME

Press "#",  
Success!

## ※5. Advanced Set----Language Set



ADVANCED SET  
7. TIME SET  
8. LANGUAGE SET  
9. DEFAULT SET



ENGLISH  
0. ENGLISH  
1. 中文  
2. ESPANOL

Press "8" to enter into LANGUAGE SET;  
or Press "↓" to select "8.LANGUAGE SET"  
and then press "#" to enter.

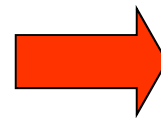


Press "0" for English,  
Press "1" for Chinese,  
Press "2" for Spanish.

## ※5. Advanced Set----Default Set

```

ADVANCED SET
7. TIME      SET
8. LANGUAGE  SET
9. DEFAULT  SET
  
```



```

1 FACTORY RESET
2 CLEAR SALES
  
```

Press "9" to enter into  
 DEFAULT SET;  
 or Press "↓" to select  
 "9.DEFAULT SET" and  
 then press "#" to enter



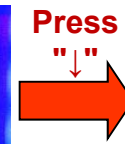
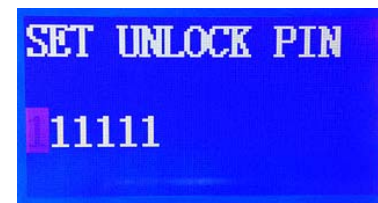
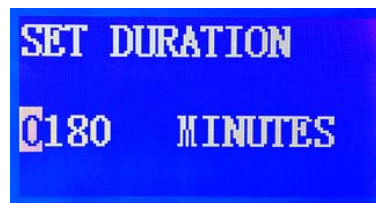
Press "1" to restore  
 factory defaults and all  
 data will be cleared; Press  
 "2" to clear the historical  
 Sales Record only.

# ※5. Advanced Set----Health Timer



Press "A" to enter into HEALTH TIMER;  
Or Press "↓" to select "A.HEALTH TIMER" and then press # to enter

Press 0 to Disable the Timer  
Press 1 to Enable the Timer  
The purpose of the Health Timer to prevent machine from selling spoiled products after it encounters of long period of power cut.



Set a duration of time for the timer. For example, when it's set as 180 minutes, if the machine encounters power cut and remains off for more than 180 minutes, the machine will be locked when the power is restored.

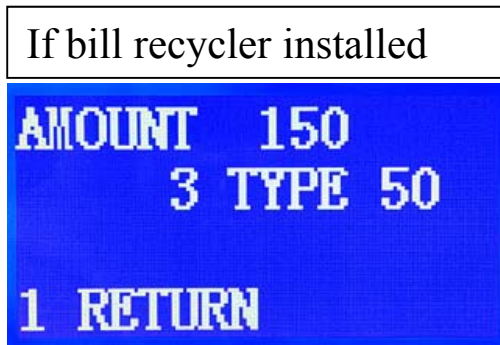
Set a pin code to lock the machine. The default code is 11111

Press # to save your settings

# ※6.MANAGE BILL



Press “6” to enter into  
MANAGE BILL;  
Or Press “↓” to select  
“6.MANAGE BILL” and  
then press “#” to enter.



Insert the preset TYPE of bill (i.e., the bill with the denomination of 50) to refill the bill payout unit. Press 1 to test and get bills returned from the bill payout unit.  
**Note: Please don't insert more than 25 pieces of bills.**

# Quick Check of Machine Status

28°C  
**WELCOME**  
 1.MAKE SELECTION  
 2.INSERT MONEY

Press "H" →

C B I  D  12  
 9600  
 0 0

Press "H" →

C = Coin Changer Connected; B = Bill Validator Connected  
 I = Card Reader Connected; Cabinet Sign = Driver Board Connected  
 D = Drop Sensor Connected; Snowflake = Refrigeration Enabled;  
 12 = Current Temperature in Machine;  
 9600 / 0 / 0 = related to factory's telemetry system, just ignore.

0000000000 OFF  
 000 000000  
 ND\_191113\_KMT02  
 2011-01-02 22:16

Press "H" →

TARGET TEMP 03°C  
 CONTROL MODE  
 OPEN

Press "H" →

MAC IS NORMAL

Factory ID, Communication Setting, Machine ID, Firmware Version Number & System Time

→

Temperature Control Settings

→

When there is something wrong with the machine, the "ERROR INFO" will be displayed here; If everything is working, it will display "MAC IS NORMAL"

# Coin Changer Instructions



## COIN-RETURN BUTTON INSTRUCTIONS

1. Short Press to return one coin each time;
2. Long Press to return a few coins each time;
3. When refill an empty tube with the first few pieces of coins, press the corresponding return-button to make sure that the coins lie flat in the tube bottom and can be paid out successfully.
4. When tubes get a coin jam during change payout, manually empty the tube first, and then press the corresponding return-button to get the jammed paying-motor homed in.

## TUBE LIMIT SENSOR INSTRUCTIONS

1. When coins in any of the 4 tubes are lower than its Bottom Limit Sensor, the machine will prompt "NO ENOUGH CHANGE" even if other tubes are full.
2. When coins in a tube are beyond its Top Limit Sensor, the new inserted coins will be sent to other tubes or coin box.
3. When a top/bottom mirror sticker comes off the tube, the corresponding sensor will fail to function.