



## **12.4 PROGRAMMING**

# ***COKE CHAMELEON***

## VEC COKE CHAMELEON PROGRAMMING OPERATION

**NOTE: Some units may contain a European font display, in which case the “°” symbol will be replaced by the “B” symbol. Example: 72°F will be 72 B F.**

The VEC 12.6 Controller uses a 4-button programming system:

Programming Buttons:      # 1 – Escape/Exit  
                                     # 2 – Decrease/Scroll Down  
                                     # 3 – Increase/Scroll Up  
                                     # 4 – Enter and/or Save

To access Mode functions, open the door. Locate the Mode Button on the Main Control Board and press until Diagnostics appears. Use selection button 2 or 3 to navigate through the modes.

The Modes are as follows:

Diagnostics  
Coin Payout  
Tube Fill  
Recycler Payout\*  
Recycler Fill\*  
Test Mode  
Password  
Cash Data  
Sales Data  
Set Price  
Correct Change Only  
Set Depth  
Configuration  
Space to Sales  
Door Closed Password  
Set Language  
Set Clock \*\*  
Lighting \*\*  
Refrigeration \*\*\*  
Sales Block 1 \*\*  
Sales Block 2 \*\*  
Discount \*\*  
Override \*\*\*  
Return

\* These modes will only appear if a recycler is being used in MDB level 4 mode.

\*\* These modes will only appear when the “Timing Feature” in Configuration is turned On.

\*\*\* Limited options appear in this mode depending on whether the Timing Feature in Configuration is On/Off.

Please note: All modes except Diagnostics, Coin Payout, Tube Fill, Recycler Payout, Recycler Fill, Test Mode are password protected.

### **Diagnostics:**

Diagnostics Mode displays the error in the vendor to help diagnose the problem.

See inner door of vendor or Troubleshooting section for errors.

#### **To view the detailed error**

1. Press Button 4 to enter into “Diagnostics” Mode
2. If there are no errors the display will read “ Error None” otherwise the display will show the top level error
3. Press Button 4 to view the detailed error
4. Press Button 2 or 3 to scroll to check for more errors  
Refer to troubleshooting section for diagnosing the errors
5. Press Button 1 to exit

#### **To Clear the error**

1. Scroll to view the detailed error
2. Press and hold Button 4 for 2 seconds – the error will clear.
3. Press Button 1 to exit mode.

### **Coin Payout:**

Coin Payout Mode allows the operator to ‘test’ for proper operation of the changer tubes.

1. Press Button 4 to enter into “Coin Payout” mode
2. Press Button 2 or 3 to scroll to desired denomination
3. Press Button 4 to dispense displayed denomination
4. Press Button 1 to exit mode

### **Tube Fill:**

Allows you to fill the coin tubes via the external coin insert. This is the recommended way to fill the coin tubes because the control board is able to keep an accurate count of the coins.

1. Press Button 4 to enter into “Tube Fill” mode.
2. Insert coins into coin insert slot and the controller will “count” the number of coins going into the coin mechanism.

The Recycler Payout and the Recycler Fill Modes are displayed only if the vendor is connected with a recycler unit compatible in a MDB 4.0. Please note the Recycler Mode is to check the bill accepted and dispensed by the Bill Recycler and not the bills accepted by the Bill Validator. Bill Validator can accept equal or more bill types than the recycler but cannot dispense any bills.

### **Recycler Payout:**

Recycler Payout Mode allows the operator to test the dispense operation of the bill recycler unit. This mode will only be displayed if the vendor is connected with a recycler unit in a MDB 4.0.

1. Press Button 4 to enter into “Recycler Payout” mode. The display will show the bill denomination and the count of bill that the recycler can dispense.
2. Press Button 4 to dispense displayed denomination bill.
3. Press Button 1 to exit mode.

**Recycler Fill:**

Recycler Fill Mode allows the operator to test the bill acceptance of the bill recycler unit. This mode will only be displayed if the vendor is connected with a recycler unit in a MDB 4.0.

1. Press Button 4 to enter into “Recycler Fill” Mode – the display will read “Enable Test”
2. Press Button 4 to enter the mode. The display will show the bill denomination and the count of bill that the recycler can accept.
3. Insert the bill in the recycler – the recycler will only accept the bill it is programmed for.

Please note: The bill denomination displayed in this mode is the type of bill the bill recycler is programmed to accept/dispense. To change the bill denomination on the recycler, please refer to the recycler manual.

**Test Mode:**

Allows you to test vend a column, jog a column, test selection switches, display, refrigeration system, lights, and heater.

**Vending a Column:**

1. At “Test Mode”, press Button 4. Display will read –“Test Mode – Vending”
2. Press Button 4 to enter – the display will read “Column 1”.
3. Press Button 2 or Button 3 to scroll to the desired column.
4. Press Button 4 to vend.
  - a. If motor vends OK, DISPLAY will read “Test Mode - Vending Motor OK”
  - b. If motor does not test OK on one of the following messages will appear:
    - “Test Mode - Vending Fail - Column Jam”
    - “Test Mode - Vending Fail - No Connection”
    - “Test Mode - Vending Fail - High Current”

**Jogging a Column:**

1. At “Test Mode” press Button 4.
2. Press Button 2 or 3 to scroll to “Test Mode - Jog.”
3. Press Button 4 and display will read “Column 1.”
4. Press Button 2 or 3 to scroll to desired column.
5. Press Button 4 to enter into column and display will read “Column X Forward” with X being the desired column.
6. Press Button 2 or 3 to scroll between “Forward” or “Reverse.”
7. Press Button 4 to move/jog the motor in the desired position.
8. Press Button 1 to exit this mode.

Test Mode Display:

Allows you to verify that all of the characters on the display illuminate.

1. At “Test Mode” press Button 4.
2. Press Button 2 or 3 to scroll until display reads “Test Mode - Display.”
3. Press Button 4.
4. All of the characters on the display should illuminate.
5. Press Button 4 to exit.

Selection Switch Testing:

Allows you to test the selection switches.

1. At “Test Mode” press Button 4.
2. Press Button 2 or 3 to scroll to “Test Mode Switches”.
3. Press Button 4
4. Press desired selection switch to be tested.
5. To exit press Button 1 and hold for 3 seconds.

Test Mode Relays:

Allows you to test the compressor, evaporator fan, light and heater in the vendor.

1. When “Test Mode” is displayed press Button 4.
2. Press Button 2 or 3 to scroll until display reads “Test Mode - Relays” and press Button 4.
3. Press Button 2 or 3 to advance through sub-modes.
4. Press Button 4 at “Compressor” prompt to test compressor.
5. Press Button 4 at “Light” prompt to test lighting system.
6. Press Button 4 at “Fan” prompt to test evaporator fan.
7. Press Button 4 at “Heater” prompt to test optional heater.
8. Press Button 1 to exit sub-modes.

Please note: The Fan test and Heater test requires additional hardware – Please call customer service for this feature.

Password:

Allows you to enter the password protected area.

**All modes except Diagnostics, Coin Payout, Tube Fill, Recycler Payout, Recycler Fill, Test Mode are password protected.**

**Default password is “4 2 3 1”**

1. When “Password” is displayed press Button 4, the display will read “Please Enter The Password”
2. Press Button 4, 2, 3, 1 in consecutive sequence.
3. The display should read “Cash Data” to indicate that it is in password protected menu.

In case the password entered is invalid or if the user fails to enter the password within 10 seconds of entering password mode – then the display will switch back to “Password” mode to enable the user to re-enter.

### **Cash Data:**

This Mode allows you to retrieve historical information regarding the money accepted by the vendor. To clear the individual selection cash data, you must have the MIS Auto Reset in the “Configuration” mode turned to ON.

1. When “Cash Data” is displayed press Button 4. The non-resettable historical data is displayed.
2. Press Button 2 or 3 to display resettable individual selections.
3. To reset historical data, make sure the MIS Auto Reset is turned ON in the configuration mode.
4. Press Button 1 to exit mode.

### **Sales Data:**

This Mode allows you to retrieve historical information regarding the number of units sold by vendor. To clear the individual selection sales data, you must have the “MIS Auto Reset” in the “Configuration” mode turned ON.

1. When “Sales Data” is displayed, press Button 4. The non re-settable historical data is displayed.
2. Press Button 2 or 3 to display resettable individual selections.
3. Press Button 1 to exit.

### **Discount Counter:**

This mode allows you to view historical sales and cash data in the vendor that have been vended at a discounted price. This mode is populated only if there have been a discounted sales.

1. When “Discount Counter” is displayed, press Button 4 to view total discount vend sales.
2. Press Button 2 or 3 to display discount counter for individual selections.
3. Press Button 1 to exit mode.

### **Free Counter:**

This mode allows you to view historical sales in the vendor at a free vend mode. This mode is visible only if there has been a sales on a free vend mode.

1. When “Free Counter” is displayed, press Button 4 to view total free vend sales.
2. Press Button 2 or 3 to display free counter for individual selections.
3. Press Button 1 to exit mode.

### **Set Price:**

This Mode allows you the option to price each selection to the same vend price, or price each selection button independently.

1. When display reads “Set Price” press Button 4.
2. Press Button 2 or 3 to choose selections or “All.”
3. Press Button 4 to start the current vend price flashing.
4. Press Button 2 or 3 to increase or decrease price.
5. Press Button 4 to save your new programmed price.
6. Press Button 1 to exit mode.

### **Correct Change Only:**

This mode allows you to manipulate the credit acceptance and customer display messages for use of correct change.

#### **Customer Overpay:**

On- Money will be accepted when the “Use Exact Change” display is on and there is insufficient coins in the coin tubes.

Off – Exact or sufficient change required to make a vend.

#### **Correct Change:**

This is the minimum amount of change needed in the coin mechanism before the controller displays the “Use Exact Change” message.

#### **Accept Value:**

This is the largest denomination of any single form of currency that can be accepted without the knowledge that the equivalent value of coins can be returned.

### **Set Depth:**

This Mode allows you to set the depth of each column. In this mode, you have the option of setting the columns for single, double, triple or quadruple depths.

1. When display reads “Set Depth” Press Button 4.
2. Press Button 2 or 3 to choose columns or “All.”
3. Press Button 4 to enter into the column and start the depth flashing.
4. Press Button 2 or 3 to scroll through the depth settings (1-4).
5. Press Button 4 to save your new depth setting.
6. Press Button 1 to exit mode.

### **Configuration:**

This mode allows you to set the different configurations in the vendor.  
Default options are underlined

#### **Multi-Price**

On - All selections can be programmed individually.

Off - All selections will be set to the same price as Selection 1.

Timing Features\*

On - Gives you access to the “Clock” settings and its associated modes.

Off - “Clock” settings and its associated modes are hidden.

Door Summary

On - Sales and cash data are displayed as soon as the outer door is opened or by activating the door switch.

Off - Sales and cash data are not displayed when the door is opened.

MIS Auto Reset

On - Resets if the counter is checked and after the door is closed.

Off - Does not reset.

Save Credit Timer

On - Credit that is established will be displayed for five minutes unless someone makes a vend or presses the coin return button - whichever comes first.

Off - Credit that is established will remain indefinitely unless someone either makes a vend or presses the coin return button.

Force Vend

On - The consumer will not be able to insert a dollar into the validator, hit the coin return and receive change without first attempting a vend.

Off - The consumer can insert a bill into the validator, press the coin return button and receive change.

Multi-Vend:

On - The consumer may insert enough credit to make multiple vends. The credit will remain on the display until an additional vend is made or the coin return button is pressed.

Off - The consumer is allowed to make a single vend and the credit (if applicable), will be returned after the completion of the vend.

Deny Escrow

On - The validator will stack all bills received.

Off - The validator will not stack the bills, rather it will hold them in escrow until a vend is complete.

SO Indicator

On - A small round symbol will appear in the lower right hand corner of the display when one column is sold out or the machine detects an error.

Off - The symbol will not appear.

Count by Selection/Price

COUNT BY SELECTION - Individual sales and cash data will be reported in unit sales.

COUNT BY PRICE - Individual sales and cash data will be reported by vend price.



MIS Reset W/DEX

On - MIS data will be reset with a DEX read.

Off - MIS data will not be reset with a DEX read.

Display Scroll \* (Available on version 14 and above)

On - The messages will scroll across the display and change.

Off - The messages will blink and change.

EMS DEX \* (Available on version 14 and above)

On - The Energy Management System Sales pattern in the vendor can be captured via the DEX data read.

Off - The Energy Management System Sales pattern in the vendor will not be sent out via DEX data read.

Depth Learning \* (Removed from version 14 and above)

On - The control board will “learn” the depth setting after one row of product in the column is vended.

Off - The control board will not “learn” the depth setting.

**Space to Sales:**

Allows you to map the columns with the selection buttons.

Space to sales can be set by either choosing one of the 10 preset configurations or you can have the option of doing a custom space to sales.

For space to Sales mapping, refer to Inner Door Label STS or STS Label in the manual.

To change current setting:

1. Press Button 4 when “Space to Sales” is displayed.
2. Press Button 4 to change current setting.
3. Press Button 2 or 3 to scroll through available settings.
4. Press Button 4 to save setting.
5. Press Button 1 to exit mode.

To customize your space to sales:

1. Press Button 4 when “Space to Sales” is displayed.
2. Press Button 2 or 3 to scroll until display reads “Space to Sales - Custom.”
3. Press Button 4. Display reads “Clear Settings?”
4. Press Button 4 to clear. Display reads “Custom Sel X - None.”
5. Press Button 4 to change a selection assignment.
6. Press Button 4 to assign (flashing) or unassigned (not flashing or steady) columns.
7. Press Button 1. Display reads “Save?”
8. Press Button 4 to save.
9. Press Button 1 to exit the mode.

### **Door Closed Password:**

Allows the operator to set a 4 digit password to access Sales,Cash Data when the door is closed. The password is limited to 1 through 6. Default password is “4 2 3 1”  
Please note that this function will not work if any of the password digit is set to 0.

1. Press Button 4 at “Closed Door Password” mode.
2. The current password will be displayed.
3. Press Button 2 or 3 while each digit is flashing to change current password.
4. Press Button 4 to save and advance to next digit.
5. Press Button 4 after the 4th digit to exit mode.

### **Set Language:**

This Mode allows you to program different languages on the controller. The current languages available are English, Spanish, and French.

1. Press Button 4 at “Set Language” mode. The current language will be displayed.
2. To change current language, press Button 4 to start language flashing.
3. Press Button 2 or 3 to choose a language.
4. Press Button 4 to save the language change.
5. Press Button 1 to exit mode.

### **Set Clock:**

If the “Timing Features” in the “Configuration” mode are turned ON, you will have access to this mode. This mode allows you to set the current month, day, year, hour and minute.

To set the clock:

1. Press Button 4 at the “Set Clock” prompt. You will be able to scroll through the following options by pressing Button 2 or 3.
  - Enable ON/OFF - This will turn the clock timer on or off.
  - Daylight Savings
    - DST – Off
    - DST Stop Time
      - Press Button 4 to Set
      - Press Button 2/3 to scroll
      - 1. Display will switch to Month, DAY, Week , Hour
      - Set the Daylight Savings Time accordingly – Default : 11/Sun/1<sup>st</sup> / 02
    - DST Start Time
      - Press Button 4 to Set
      - Press Button 2/3 to scroll
      - 1. Display will switch to Month, DAY, Week , Hour
      - Set the Daylight Savings Time accordingly – default : 03/Sun/2<sup>nd</sup> / 02

- MM/DD/YYYY HH:MM - This is the current time and date.  
Press Button 4 to Set  
Press Button 2/3 to scroll  
Set current date in the vendor.

### **Lighting:**

If the “Timing Features” in the “Configuration” mode are turned ON, you will have access to this mode. This mode allows you to turn the lights on/off with the internal timer.

Enable: 0 – Disabled – Energy Saving mode disabled

1 – Lighting is regulated at timed intervals.

2 – Lighting is regulated based on sales activity-Refer to Energy Management System Section

InActivity Time: 35 ( 0 -995 ) – Time to keep the lights on after activity for EMS activity. This is only applicable when the lighting enable is set to “2”

Start Time 1: To turn off the light at the allocated time

Stop Time 1: To turn on the light at the allocated time

Start Time 2: To turn off the light at the allocated time

Stop Time 2: To turn off the light at the allocated time

Please note that the Enable option should be set to “1” to activate start / stop time. It is not necessary to set start time 2 if the lighting time needs to be turned off only once in a day.

1. Press Button 4 when the display reads “Start Time 1” or “Start Time 2.”
2. Press Button 4 at “Start Time 1” or “Start Time 2.”
3. Press Button 4 at “Start Day 1” or “Start Day 2.”
4. Scroll through the days of the week or “all” with Button 2 or 3.
5. Press Button 4 to change current setting.
6. Change setting by pressing Button 2 or 3.
7. Press Button 4 to save changes.
8. Press Button 2 or 3 to scroll to the start time.
9. Press Button 4 to change time.
10. Press Button 2 or 3 to set time.
11. Press Button 4 to save.
12. Press Button 1 to exit mode.
13. Repeat process with “Stop Time 1” or “Stop Time 2.”

**Refrigeration: \* Features on version 14 and above.**

If 'Timing Features' in Configuration Mode are 'Off', you will only have access to the following features:

**Set Point Temperature:** The cabinet temperature during the normal mode. Refrigeration cuts-in two degrees above and cuts-off at a degree below the set point.

**\* Storage Temp:** 45- This is the storage temperature during the energy saving mode.

**\* Display Temp. Off/ On** – The option to display the cabinet temperature in the display.

**\* Defrost Interval:** 6h (1 –24 hrs) –The interval time for the compressor to perform a defrost cycle routine.

**\* InActivity Time:** 35m – Time for the refrigeration system to go into energy savings mode after no sales activity – This is applicable if the Enable is set to "2".

**Sensor Reading:**– Refrigeration Temperature reading inside the cabinet.

**Degree Setting:**– Can change the temperature to Celsius or Fahrenheit.

**Fan Energy Mode:** – *Mode 0* – The fan turns off on door open and turns on door close

*Mode 1* – The fan turns off 5 minutes after the compressor stops and starts when the compressor turns on

*Default* - The fan is turned on all the time.

Please note that the fan mode 1 and mode 2 is optional and needs a special hardware.

**Periodic Defrost Mode:**– Enables the refrigeration system to perform periodic defrost cycle.

**Enable0** – Disabled – Refrigeration is regulated based on set point..

*1* – Refrigeration can be regulated at timed intervals.

*2* – Refrigeration is regulated based on Sales Activity. Refer to Energy Management System Section.

**To change the set point temperature:**

1. Press Button 4 when the display reads "Refrigeration."
2. The display will read "Set Point XX" with the current setting displayed.
3. To change the setting press Button 4 and the current set point temperature will begin to flash.
4. Press Button 2 or 3 to increase or decrease the set point.
5. Press Button 4 to save changes.
6. Press Button 1 to exist and return "Refrigeration" on display.

**\* To change the storage temperature:**

1. Press Button 4 when the display reads "Storage Temp."
2. The display will read "Storage Temp. 45" with the current setting displayed.
3. To change the setting press Button 4 and the current storage temperature will begin to flash.
4. Press Button 2 or 3 to increase or decrease the storage temperature.
5. Press Button 4 to save changes.
6. Press Button 1 to exit

**\* To change the Temperature Display:**

1. Press Button 4 when the display reads “Temperature Display ”
2. The display will read “Temperature Display On” with the current setting displayed.
3. To change the setting press Button 4 and the On/Off begins to flash.
4. Press Button 2 or 3 to change to On or Off.
5. Press Button 4 to save changes.
6. Press Button 1 to exit

**\* To change the Defrost Interval**

1. Press Button 4 when the display reads “ Defrost Interval “
2. The display will read Defrost Interval 06h
3. To change the interval time, press Button 4 and the time will flash.
4. Press Button 2 or 3 to decrease or increase the time.
5. Choose the right time and press Button 4 to set.
6. Press Button 1 to exit.

**\* To change the Inactivity Time ( Needs to have Enable Set to 2 )**

1. Press Button 4 when the display reads “InActivity Time : 35m”
2. The time settings will flash.
3. Press Button 2 or 3 to increase or decrease the time.
4. Choose the right time and press Button 4 to set.
5. Press Button 1 to exit.

**To display the temperature:**

1. Press Button 4 when the display reads “Refrigeration.”
2. Press Button 2 or 3 until the display reads “Sensor Reading.”
3. Press Button 4 and the current temperature will be shown in Fahrenheit or in Celsius.
4. Press Button 1 to exit and return the display to “Refrigeration.”

**To change the degree scale:**

1. Press Button 4 when the display reads “Refrigeration.”
2. Press Button 2 or 3 until the display reads “Degree Setting.”
3. The display will show the current degree scale (Celsius or Fahrenheit).
4. Press Button 4 and the degree scale will begin to flash.
5. Press Button 2 or 3 to choose setting.
6. Press Button 4 to save setting.
7. Press Button 1 to exit and return the display to “Refrigeration.”

**To change the Fan Energy Savings mode:**

1. Press Button 4 when the display reads “Refrigeration.”
2. Press Button 2 or 3 until the display reads “Fan.”
3. The display will read “Fan X” with the current setting displayed.
4. To change the setting press Button 4 and the current Fan mode will begin to flash.
5. Press Button 2 or 3 to increase or decrease the Fan mode.
6. Press Button 4 to save changes.
7. Press Button 1 to exit and return the display to “Refrigeration.”

The refrigeration system shall have three types of fan mode operation (energy conservation modes) – **This requires fan relay needs to be installed.**

### **Fan Mode 0 (Disable)**

The refrigeration system shall have a fan mode of operation in which the evaporator fan will be turned on/off based on the activation of compressor. When the fan mode 0 is activated through the Service Modes, the controller shall always turn on evaporator fan.

### **Fan Mode 1**

The refrigeration system shall have a fan mode of operation in which the evaporator fan will be turned on/off based on the activation of compressor. When the fan mode 1 is activated through the Service Modes, the controller shall turn off evaporator fan after the delay for 5 minutes after the compressor is turned off. And when the compressor is turned on, the controller shall turn on evaporator fan at same time. The fan mode 1 does not function for 24 hours from the pull-down mode start.

### **Fan Mode 2**

The refrigeration system shall have an fan mode of operation in which the evaporator fan will be turned on/off based on the number of vended product per unit hour . When the fan mode 2 is activated through the Service Modes the controller shall turn on/off the compressor and evaporator fans, based on the following method.

When the number of vended product per one hour is equal or less than five, the controller should enter the fan mode 1. This causes the controller to work as fan mode 1 without any setting change. When the number of vended product per one hour is more than five, the controller should enter the normal operation mode.

The fan mode 2 does not function for 24 hours from the pull-down mode start.

### **To change the Periodic Defrost Mode:**

1. Press Button 4 when the display reads “Refrigeration.”
2. Press Button 2 or 3 until the display reads “Periodic Defrost.”
3. The display will show it on or off.
4. Press Button 4 and the setting value will flash.
5. Press Button 2 or 3 to choose your setting.
6. Press Button 4 to save setting.
7. Press Button 1 to exit and return the display to “Refrigeration.”

Please note: Altering the Set point, Storage Temperature, Defrost Interval and Periodic Defrost Mode can affect the affect the cooling behavior of the vendor – Please call customer service for any questions in regards to these settings.

If the “Timing Features” in the Configuration mode are turned ON, you will have additional access to the following modes:

*Enable*

*Start Time 1 or Start Time 2*

*Start Day 1 or Start Day 2*  
*Start 1 or Start 2*  
*Stop Time 1 or Stop Time 2*  
*Stop Day 1 or Stop Day 2*  
*Stop 1 or Stop 2*

**Sales Block 1 and 2:**

Allows you to program the machine to disable Sales/Lights at regular intervals.

To program the blocking feature, you must enter the following information:

Enable Off/On/Lights

*Start Time*- When the machine turns off

*Start Days*

*Stop Time*- When the machine turns back on

*Stop Days*

*Selections*

**Discount:**

Allows you to program the machine to discount beverages at regular intervals.

To program the “Discount” feature, you must enter the following information:

*Start Time*- When the discounting begins

*Start Day*

*Stop Time*- When the discounting ends

*Stop Day*

*Selections*

*Amount*- Amount subtracted/discounted from original vend price

**Override:**

Allows various items to be enabled or disabled depending on the status of an attached override switch. Additional override switch is required – Kit # 1124429

Each of the following items can be enabled by setting an ON or disabled by setting an OFF.

“Override Free Vend”

“Override Sales Blocking”

“Override Discount”

“Override Light Timing”

“Override Refrigeration”

**Return:**

Exits the programming mode and returns the vendor to stand-by.

## ENERGY MANAGEMENT SYSTEM ( EMS )

Energy Management System is a feature that enables the vendor to control the refrigeration and light system in the machine according to the sales pattern in order to achieve the maximum energy efficiency.

### Learn-and-React

It has a built-in-feature that learns the sales pattern in the location to mark a sales-time-zone and a no-sale-time-zone. The system reacts by regulating the illumination and refrigeration system during the learnt time zones.

The illumination system is disabled and the products are stored at a higher temperature during no-sales-hours.

In order to achieve set-point at the appropriate sales-time-zone, the regular refrigeration mode will be activated 4 and half hours prior to the sales-time-zone.

### **Activate EMS System:**

Open the door – press the mode switch on the VMC board –  
The display will read – ‘Diagnostics’

#### **1. Set Timing Feature.**

1. Press Button 2 to scroll to “Configuration”
2. Press Button 4 to enter
3. Press Button 2 to scroll to “Timing Feature”
4. Press Button 4 – the “Off” will blink
5. Press Button 2 to change it to “On”
6. Press Button 4 to set.

#### **2. Set Clock.**

1. Press Button 2 to scroll to “Set Clock”
2. Set Time and Date

#### **3. Set Refrigeration to EMS Mode**

1. Press Button 2 to scroll to Refrigeration
2. Press Button 4 to enter
3. Press Button 2 to scroll to “Enable”
4. Press Button 4 to enter
5. Press Button 2 to scroll to “2”
6. Press Button 4 to set

#### **4. Set Light to EMS mode**

1. Press Button 2 to scroll to “Light”
2. Press Button 4 to enter
3. Press Button 2 to scroll to “Enable”
4. Press Button 4 to enter
5. Press Button 2 to scroll to “2”
6. Press Button 4 to set

### **De-Activate EMS system**

Setting light Enable to ‘0’ and setting Refrigeration Enable to ‘0’ disables the EMS system.



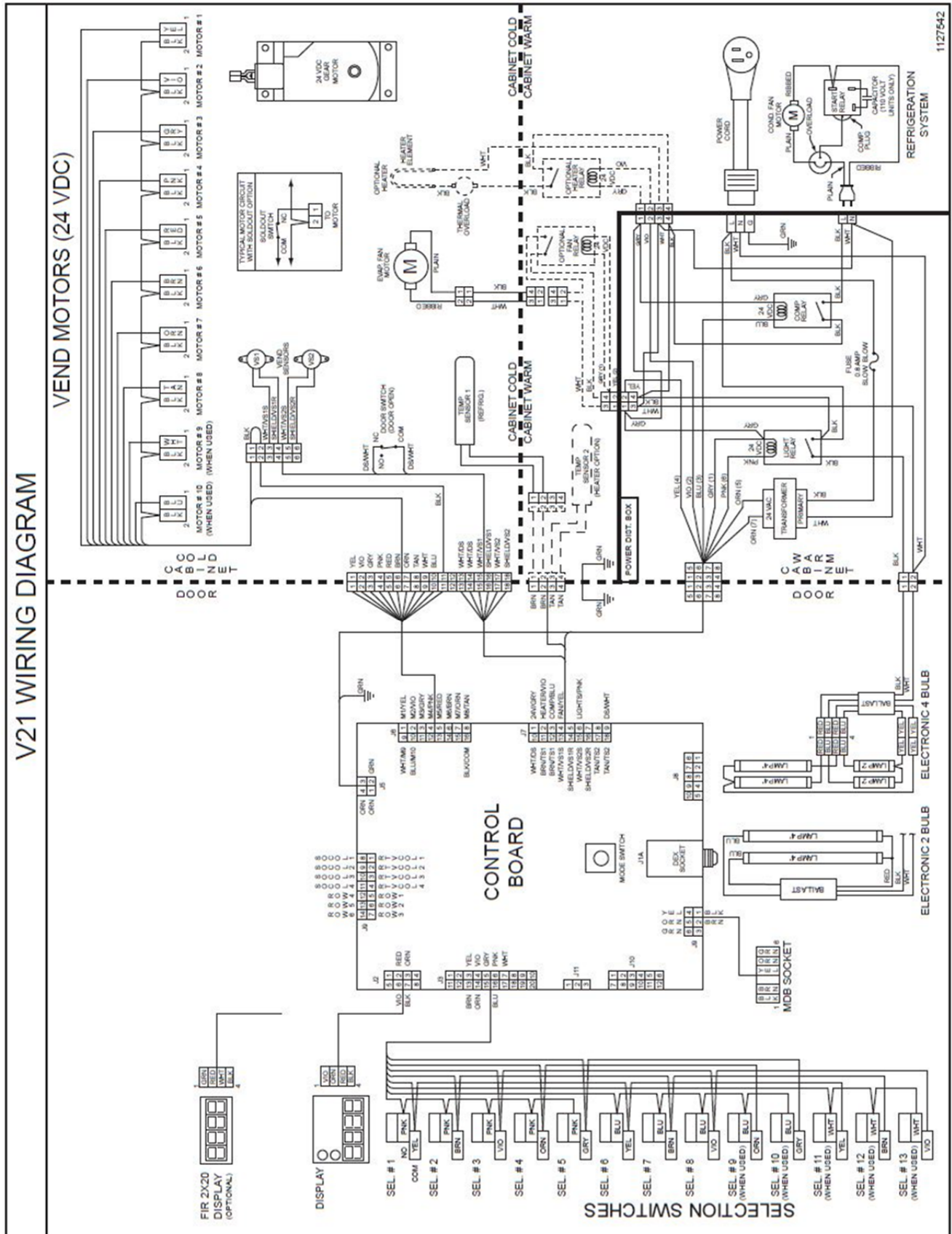
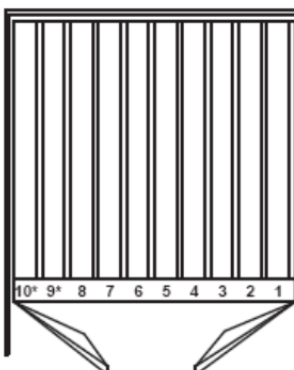
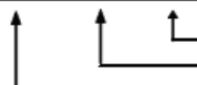


Figure to show Pre-Programmed Space to Sales:

### PRE - PROGRAMMED SPACE - TO - SALES



SEL #	COLUMNS									
1	1	1,2	1,2	1,2,3	1,2,3	1,2	1,2	1,2,3	ALL	NONE
2	2	3	3,4	4	1,2,3	1,2	1,2	1,2,3	ALL	NONE
3	3	4	5	5	4	3,4	3	1,2,3	ALL	NONE
4	4	5	6	6	5	5	4	4	ALL	NONE
5	5	6	7	7	6	6	5	5	ALL	NONE
6	6	7	8	8	7	7	6	6	ALL	NONE
7*	7	8	9	9	8	8	7	7	ALL	NONE
8*	8	9	10	10	9	9	8	8	ALL	NONE
9*	9	10	~	~	10	10	9	9	ALL	NONE
10*	10	~	~	~	~	~	10	10	ALL	NONE
SSSS#	10	9	8	7	6	5	4	3	2	1



Factory setting for 8 select 10 column or 6 select 8 column vendor  
 Factory setting for 9 select 10 column or 6 select 7 column vendor  
 Factory setting for 10 select vendor

\* IF AVAILABLE

1 2 3 4 5

○ ○ ○ ○ ○

6 7 8 9 10

○ ○ ○ ○ ○

1 2 3

○ ○ ○

4 5 6

○ ○ ○

7\* 8\* 9\*

○ ○ ○

1 2

○ ○

3 4

○ ○

5 6

○ ○

\* IF AVAILABLE

### BUTTON CONFIGURATIONS

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