

BOARD SVE01

VENDING MACHINE
G-Drink Design Line
SVE DL6 - SVE DL9 - SVE DV6 - SVE DV9
— Design Line —



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1 GENERAL WARNINGS

1.1 Purpose of this manual

The manual contains the correct procedures for programming of the Vending Machine. This manual is an integral part of the machine and must therefore be kept intact and available to hand for the machine's entire productive life.

KEEP INSIDE THE MACHINE

1.2 To whom this manual is addressed

This manual is addressed to those persons in charge of installing, setting, and extraordinary maintenance of the vendor (Installer/Maintenance technician). It is compulsory that all personnel in charge of these operations are familiar with the instructions and abide by the procedures contained in this manual.

Technicians allowed to operate this vending machine

- **Installer/ Maintenance / Specialized technician**
 - The intervention of the maintenance technician is required for all those operations where the lower protection carter must be opened: when carter is removed all operations must be done only by SandenVendo personnel or by authorized technicians (trained and informed) and not by general operators because of electrical and mechanical risks.

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

1.3 Responsibility

The **manufacturer's** responsibility is confined to the correct use of the machine, in the limits indicated in this manual.

“SandenVendo Europe Spa” declines all responsibility for any damages caused to persons and/or property as the result of:

- Incorrect installation
- Use of unauthorized spare parts
- Execution of changes unforeseen/unauthorized by the manufacturer
- Improper use of the machine
- Connection to inadequate supply systems and non in conformity with the regulations in force

1.4 Manufacturer

“SandenVendo Europe Spa.” has over 50 years experience in constructing beverage vending machines, and it is precisely the technological know-how it has developed over many years of research working closely with the production and international marketing, which is the best guarantee that **SandenVendo Europe Spa.”** can offer.

1.5 Service centers

“**SandenVendo Europe Spa.**” is represented by a valid and prepared sales network in both Italy and Europe (see inner cover page).

1.6 Warranty

The warranty on the Vending Machine components, starting from the date shown on the delivery note, is for 24 months for the cooling system.

The warranty includes exclusively the parts replaced, with labor excluded.

The Warranty does not include, damages to the vending machine caused by:

- Transport and/or handling
- Operator errors
- Lack of maintenance as explained in this manual
- Failures and/or breakages not due to malfunction of the vending machine

1.7 General safety warnings

- Carefully read the manual before starting or loading the vending machine
- Protect the vending machine against weather conditions
- Only maintenance technicians should remove the protective covers
- Always read the programming manual before operating the electronic board settings
- Never position the vending machine in direct sunlight
- Never sell the products with the door open
- Refer to the routine maintenance chapter to clean the vending machine
- Disconnect the power supply cable before investigating or unblocking a blocked product
- Use a special protection system/Residual current device or similar.
- Install the appliance so that the electrical plug can be easily accessed afterwards
- If the power cable is damaged, it must be replaced by the manufacturer or by one of its technical support personnel or by a qualified electrician.
- This machine is not suitable for installation in areas where water jets are used

- This machine is not suitable for outside installation
- To prevent hazards due to machine instability, secure the machine according to the instructions
- In case of a failure and/or poor operation, only seek help of the qualified personnel of our service centers.
- Use only spare parts authorized by the manufacturer
- Should this manual be lost or damaged, you may request a copy from the manufacturer: please enclose the serial number of your vending machine with your request.



**CAUTION: FAILURE TO FOLLOW THE
INSTRUCTIONS CONTAINED IN THIS
MANUAL MAY INVOLVE DAMAGES TO
THE MACHINE AND/OR PERSONNEL**

The pictures and illustrations in this document are only indicative. **SandenVendo Europe S.p.A.** recalls that the technical and performance of products can change without notice.

“**SandenVendo Europe S.p.A.**” reserves the right of making changes on their vending machines without any advice; moreover they declare that the vendors listed in this manual are in conformity with the following directives: **2006/42/EC** (EC markings).

“**SandenVendo Europe S.p.A.**” assumes no liability for the correctness of the contents or damages caused by using this manual.

“**SandenVendo Europe S.p.A.**” reserves the right to make changes to this manual without prior notice.

2 SVE01 ELECTRONIC BOARD SPECIFICATION

2.1 Electronic Features

Power supply:	24 Volt DC
Outputs motors :	11 a 24 Volt DC
Motor micro-switches:	11
Sold-out micro switches:	11
Sold-out LEDs:	10
Selections switches:	24
Door switch:	1
Temperature probe:	3
Real time clock:	1
Exit audit Dex/UCS:	1
Port USB:	1

External Slave Board (in the master machine near the main board) used to operate the vend motors with electricity control.

External Slave Board (for slave machine) used to operate the vend motors with electricity control

Optical sensor board (option for master and/or slave machine) used for checking product falling

Elevator control board.

Fluorescent display 256x64

Communication with payment system can be MDB or EXECUTIVE

2.2 Software Features

Service programming routine

Credit Accumulation

Interface with MDB and Executive payment system

Interface with Client and management of vend process

Emptying tubes manually

Filling tubes manually

Audit functions

Interface display

Interface keyboard

USB to update master & slave software

Possibility to have programming and sales messages in many languages

Possibility to test all devices inside the machine

2.3 Software application for G-Drink Design Line

2.3.1 Initialization

After connecting the vending machine to the electricity grid and switched on the main power switch on the transformer box, close the door. The lift and the product withdrawal system "Bucket" will cause an initialization to check the number of shelves and the position in which they find themselves. The selections start at the top left with the numbers from 11 to 16 "Model DL6" or from 11 to 19 (Model DL9).

The second shelf will begin with 21, the third with 31 and so on.

The maximum number of shelves is 7, the minimum is 3

2.3.2 Product Loading

Open the door

Pull out drawers one by one and load the products

To be able to easily load the bottom shelf, with the door open, manually open the product door to move the "bucket" to the right, opening it a second time, will return the bucket to the left. Once you have loaded the products the "Bucket" will automatically return to its initial position when the door is closed.

2.3.3 "Flap" Feature

When a product is detected within the "flap", the LEDs light up, and the "flap" opens. If the product is not removed within 2 minutes the LED turns off and the display shows the message "remove the product." When the product is picked up, the lights flash, and then the "flap" closes.

2.3.4 Sold-Out Feature

The magnetic sensor included in the product door allows the detection of the product falling within the "flap", if a selection is made empty, the door will not open and the flap is closed. The vending machine will put the selection in sold-out, until the door is not opened.

2.3.5 Graphic display

During standby, and in normal sales conditions, on the display of the distributor, will pass a welcome message, instead during a selection the introduced credit and the number of selection will appear. When the product is found in the "Flap", the display will scroll the message "remove the product."

2.3.6 Door switch

For safety reasons 2 door switches have been installed on the machine, 1 for the main board and for the control board of the slave elevator and 1 for the cooling system. If the switches do not work or are defective, the cooling system will not start and / or the machine does not work.

2.3.7 Sales Conditions

The conditions are:

The door switches are activated

The product door is closed

The "Flap" is closed

The initialization of the machine was made correctly

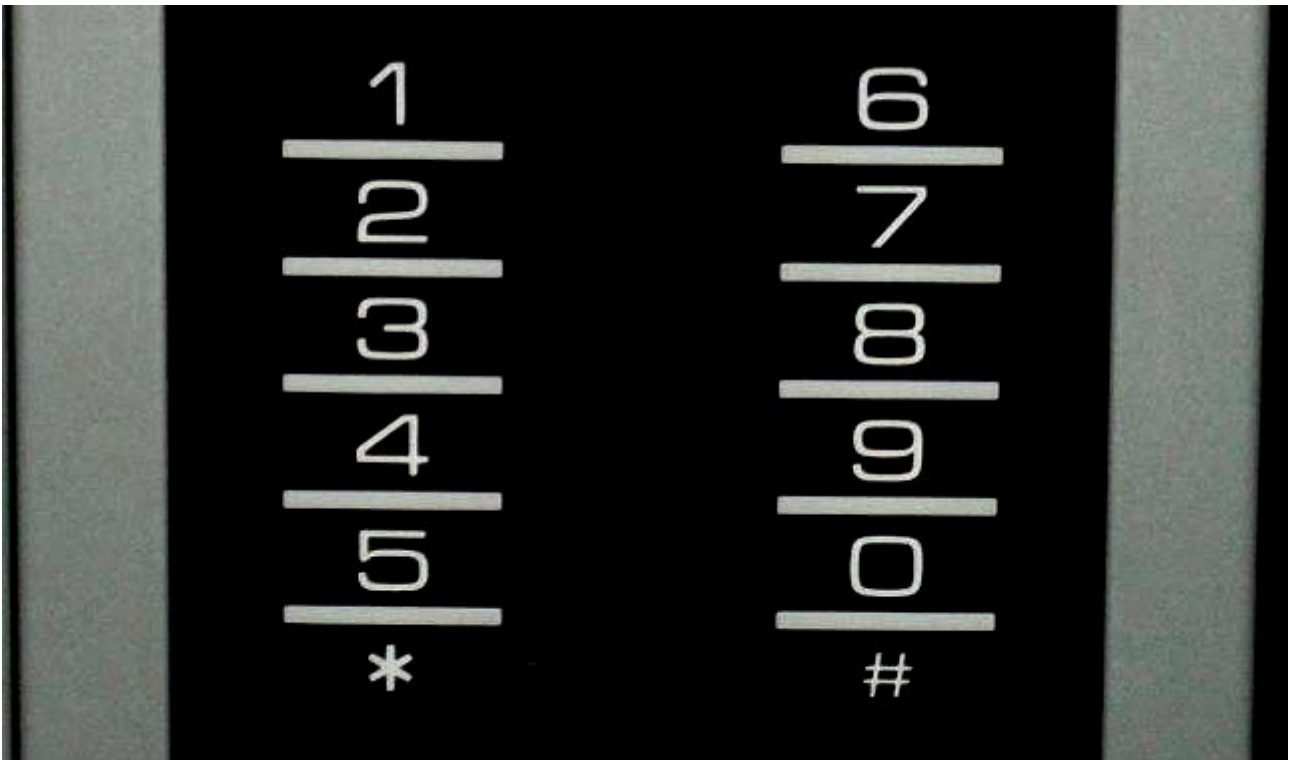
No error was reported

The communication works correctly in MDB

3 GENERAL INSTRUCTION

3.1 Selection Button Functions In Programming Mode

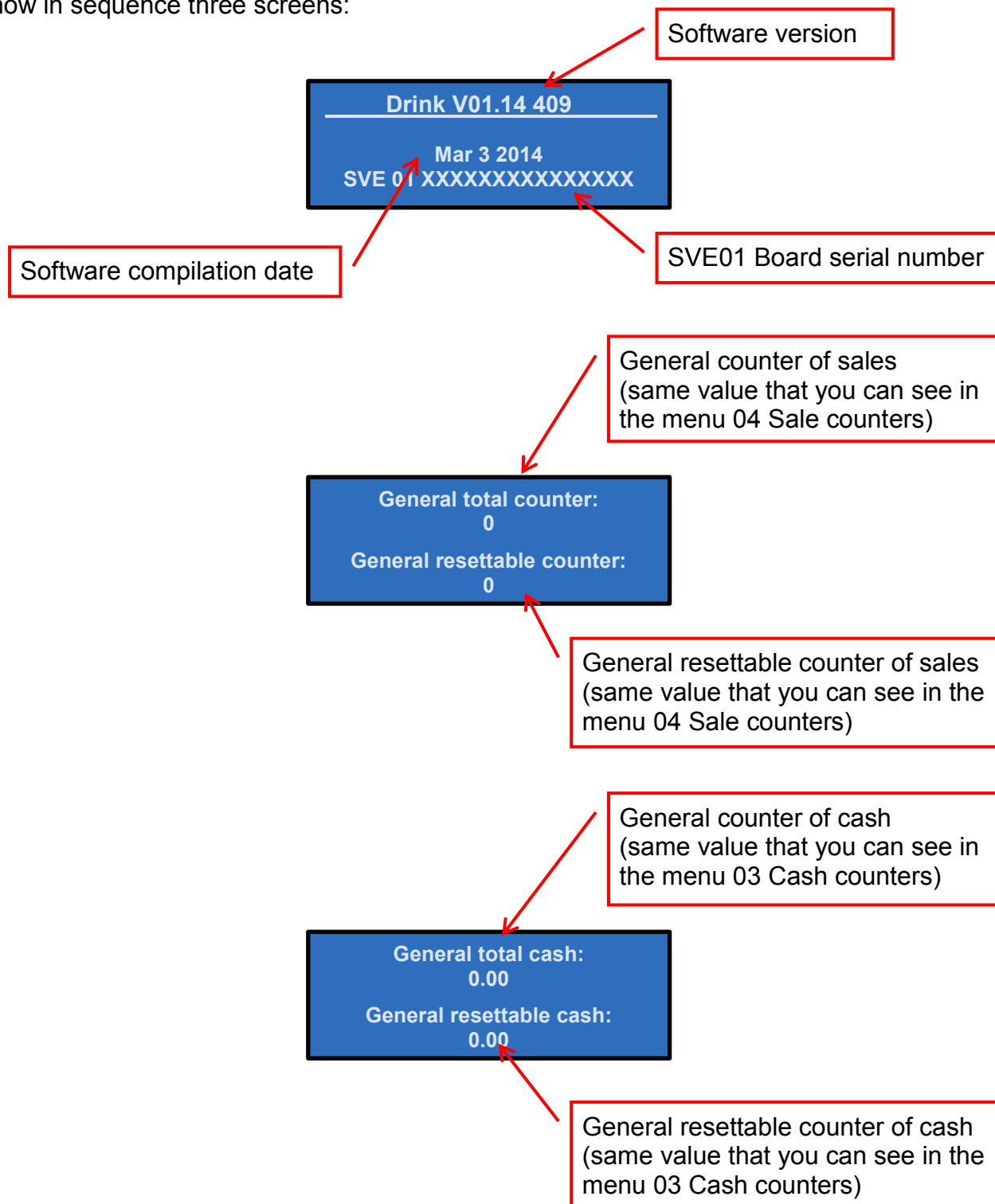
1	Selection Button 1	Exit from the submenu, exit without saving the set values
2	Selection Button 2	Increases values, or shifts to the next menu. Keeping pressed increases rapidly.
3	Selection Button 3	Decrease values, or returns to the previous menu. Keeping pressed decreases rapidly.
4	Selection Button 4	Confirms values, or enters the submenu
0	Selection Button 0	brings the value to zero



3.2 Information with the vending machine opened

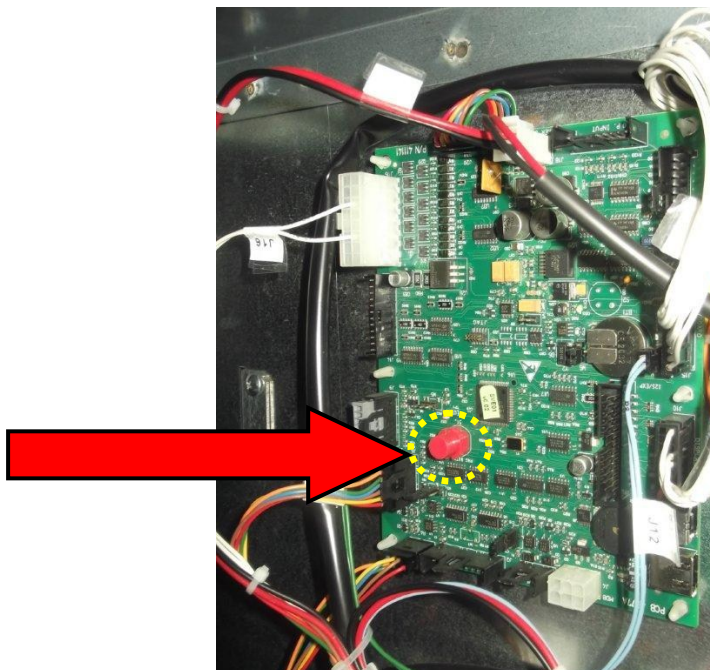
On models G-Drink Design Line the safety micro switches are no longer activated by the glass door but by the extraction / insertion of the sliding panel (drawer).

When the vending machine is open, i.e. when you pull out the drawer, the display will show in sequence three screens:



4 PROGRAMMING

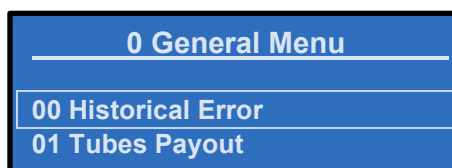
To enter the programming menu, open the vending machine and push the button that is on the SVE01 board. (See figure)



Once you press the Program button the display will show the programming menu. In programming mode, you have access to a variety of information that allow you to change the configuration of the distributor. The selection buttons assume in programming mode the functions described on page 11.

After entering programming mode, the operator can select the following submenus:

- **00 Historical Error**
- **01 Tubes Payout**
- **02 Tubes Fill**
- **03 Cash counter**
- **04 Sale counter**
- **05 Coin Price**
- **06 Key 1 Price**
- **07 Key 2 Price**
- **09 Audit Usb**
- **10 Test**
- **11 Technician menu**
- **12 EVA Counters**

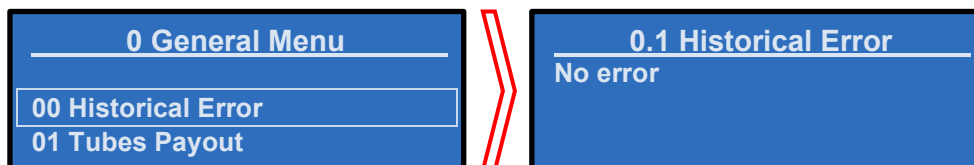


To enter in the "11 Technician menu", you must digit the Password: **4 – 2 – 3 – 1**

The password in that menu, is necessary to avoid that non authorized users can program or modify the setting of the vending machine.

4.1 ~ 00 Historical Error

This menu displays a list of the errors found during operation of the distributor. In the event where there is no error, the display will show "No error"; Otherwise, it will display the errors that the machine has detected. To scroll through the errors displayed, use button **2** and **3**, the button **2** to display the next error and button **3** to display the above error. To delete an item from the history error, go on it and press the button **4**, the system will ask for confirmation, to confirm and delete the error press the again button **4**. To return at the general menu press button **1**.

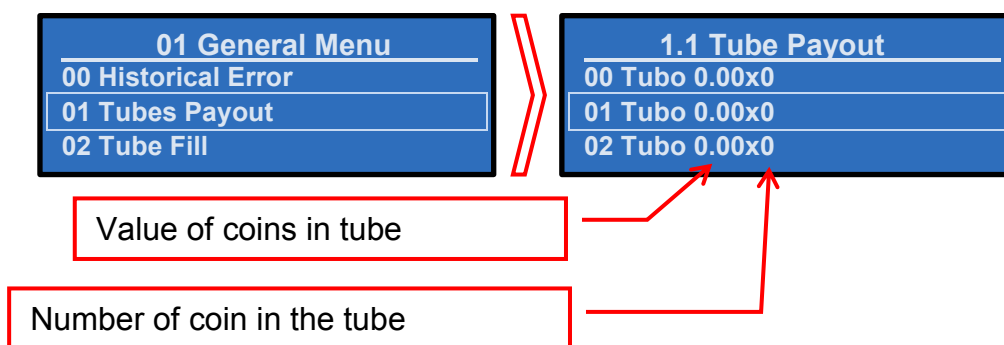


ERRORS
No error
ERROR SPEED Y
ERROR HOME SWITCH Y
ERROR OPTICAL SENSOR Y
ERROR SPEED X
ERROR HOME SWITCH X
ERROR OPTICAL SENSOR X
ERROR INITIALISATION
ERROR SLAVE MEMORY
BUCKET ERROR
WRONG SHELF NUMBER
VEND PROHIBITION
No USD
DOOR SWITCH ERROR
POWER SUPPLY ERROR
DELIVERY FLAP ERROR
Motor time-out during opening
Motor time-out during closing
uSw locking not detected
uSw unlocking not detected
HACCP error

4.2 ~ 01 Tubes Payout

The tubes payout work only with MDB coin changer connected mode.

This submenu allows you to drain the tubes of coin changer. To scroll between the tubes use button **2** and **3**, the button **2** for the next tube and the button **3** to the previous tube. To empty the selected tube press the button **4**. To return at the general menu press button **1**.

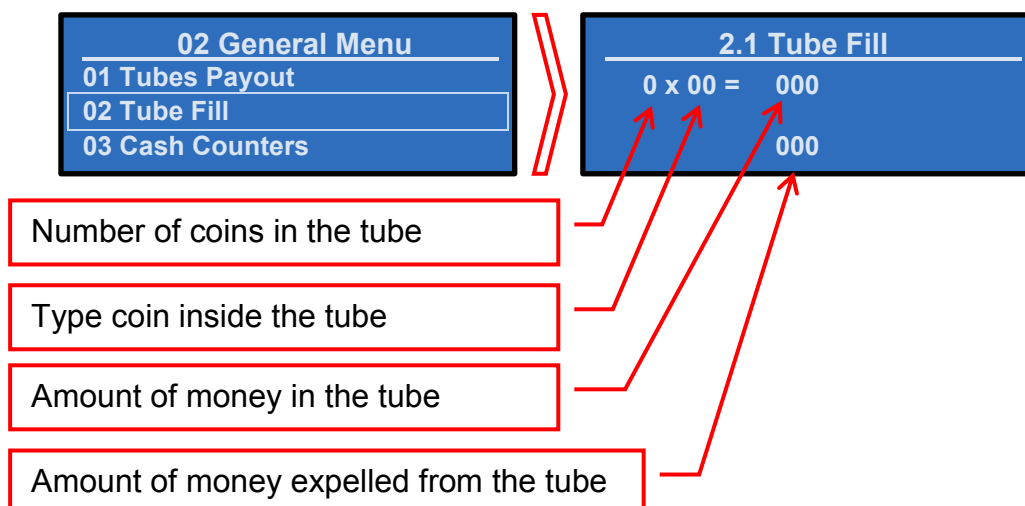


4.3 ~ 02 Tubes Fill

The filling of the tubes work only with MDB coin changer connected mode

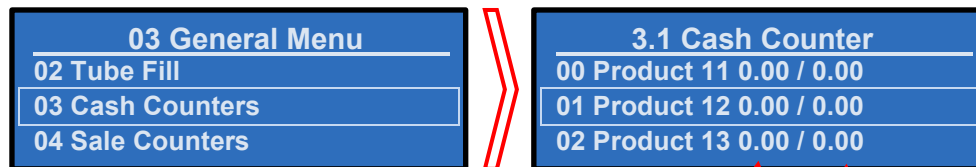
The purpose of this routine is to allow the operator to fill the coin return tubes; Inserting a coin in the acceptor the coin changer recognizes it and inserts into the corresponding tube to the value of the coin. The display will show the number of coins in the tube for coin value inserted and the total amount of coins inserted.

To return at the general menu press button **1**.



4.4 ~ 03 Cash Counters

On the display you can read the quantity of money cashed for each selection and the total. To scroll between the selection use button **2** and **3**, the button **2** for the next selection and the button **3** to the previous selection. To return at the general menu press button **1**.



00 Product 11 0,00 / 0,00
 ...
 08 Product 19 0,00 / 0,00
 10 Product 21 0,00 / 0,00
 ...
 18 Product 29 0,00 / 0,00
 20 Product 31 0,00 / 0,00
 ...
 28 Product 39 0,00 / 0,00
 30 Product 41 0,00 / 0,00
 ...
 38 Product 49 0,00 / 0,00
 40 Product 51 0,00 / 0,00
 ...
 48 Product 59 0,00 / 0,00
 80 All Product 0,00 / 0,00

Cash value of selection after last reset.
 (resettable value)

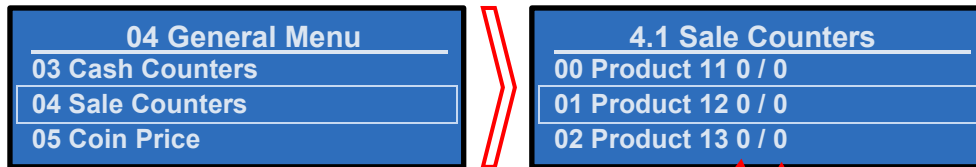
Historical cash counter. The total cash from when the distributor was put into operation.

The first number shown in the menu of cash counter can be resettable in two ways:

- Doing the audit (see section "4.8 ~ 09 Audit USB" page 19)
- Going to selection "80 All Product 0,00 / 0,00" and press button **4** to reset all counters

4.5 ~ 04 Sale Counters

On the display it is possible to read how many times a selection has been sold and the total. To scroll between the selection use button **2** and **3**, the button **2** for the next selection and the button **3** to the previous selection. To return at the general menu press button **1**.



00 Product 11 0 / 0
 ...
 08 Product 19 0 / 0
 10 Product 21 0 / 0
 ...
 18 Product 29 0 / 0
 20 Product 31 0 / 0
 ...
 28 Product 39 0 / 0
 30 Product 41 0 / 0
 ...
 38 Product 49 0 / 0
 40 Product 51 0 / 0
 ...
 48 Product 59 0 / 0
 80 All Product 0 / 0

Sale value of selection after last reset.
 (resettable value)

Historical Sale counter. The total sale from when the distributor was put into operation.

The first number shown in the menu of sale counter can be resettable in two ways:

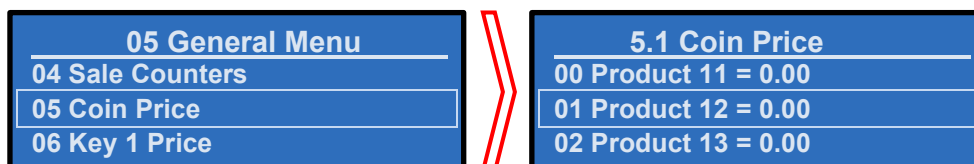
- Doing the audit (see section "4.8 ~ 09 Audit USB" page 19)
- Going to selection "80 All Product 0 / 0" and press button **4** to reset all counters

4.6 ~ 05 Coin Price

In this submenu you can set the vend prices for the selections:
The prices are set by default to 1.

When prices are set to 0 (zero), the machine is in “free vend” and the settings of the coin changer is not respected

Press the button **2** and **3** to scroll between the prices of the available selections.



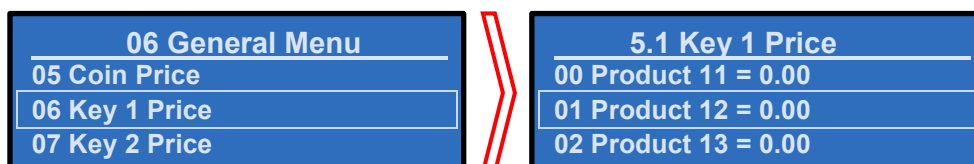
After pressing the button **4** it is possible to change the price of the selection, use button **2** to increase the price and button **3** to decrease the price, to confirm press the button **4** otherwise press button **1** to return to the coin price menu. In this menu you can use the button **0** to set the price to 0 (zero). To return at the general menu press button **1**.



4.7 ~ 06 Key 1 Price / 07 Key 2 Price

The procedure for modifying the Key Price is the same as for the coin price. (Refer to section "4.6 ~ Coin Price")

This routine is used only in MDB (It is used to program a different vend prices for the cashless payment system.)



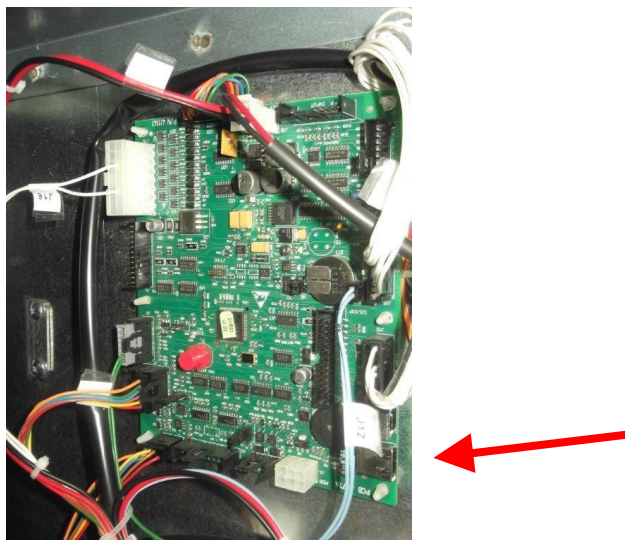
4.8 ~ 09 Audit Usb

Before selecting this item of the menu connect a USB key to the board.

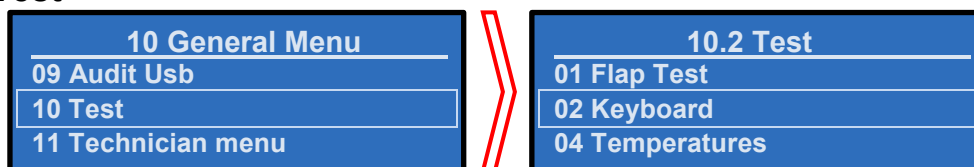
After you connect a USB to the board press button **4**, the program create a file "audit.txt" into the USB.

This function creates a new folder on the USB with the serial name of the SVE01 board
In the created folder, a text file is saved (.txt) with the details of all sales done by the machine.

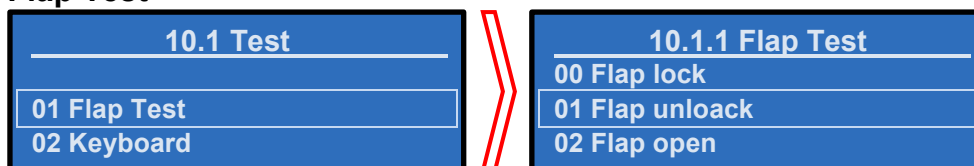
 **Attention:** This function overwrites the old files.



4.9 ~ 10 Test



4.9.1 ~ 01 Flap Test



Within this submenu you can make the tests of flap.

Pressing button **4** on the display appears a submenu with the parts of the flap that can be tested:

00 Flap lock (by pressing **4** on this menu item puts the flap in the locked position)

01 Flap unlock (by pressing **4** on this menu item you put the flap in position to unlock)

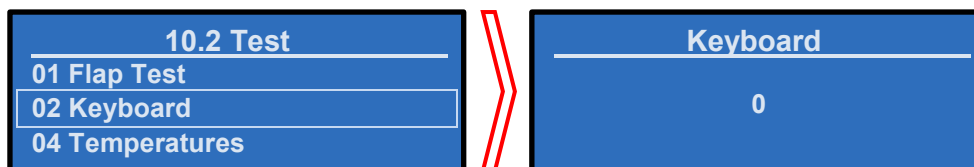
(note: before you do the test opening and closing unlock the flap)

02 Flap open (by pressing **4** on this menu item opens the door flap)

03 Flap Close (pressing **4** on this menu item closes the door flap)

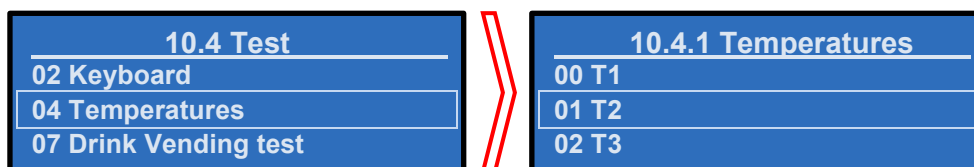
04 Product Detect (by pressing **4** on this menu item on the display appears "NO" if the sensor does not see anything inside the flap, "YES" if inside the flap there is a product)

4.9.2 ~ 02 Keyboard



This function allows you to check the correct functioning of the keyboard. The display show the number corresponding to the button you pressed. By pressing button **0** the display show the number 10, by pressing button ***** the display show the number 11, by pressing button **#** the display show the number 12. To return at the test menu press and hold button **1** for 3 seconds.

4.9.3 ~ 04 Temperatures

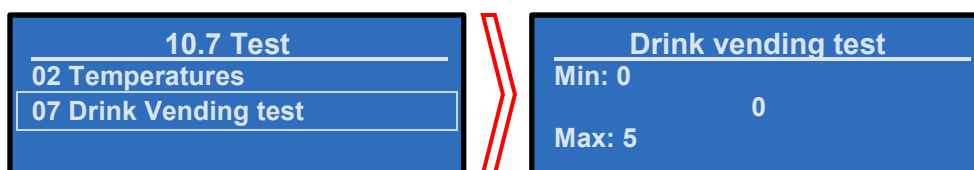


Within this menu you can test the functioning of the temperature probes connected to the board.

00 T1
01 T2
02 T3

Pushing selection **4** on one of the probes, will visualize the actual temperature. If the probe is disconnected or malfunctioning the display will show an error.

4.9.4 ~ 07 Drink Vending test



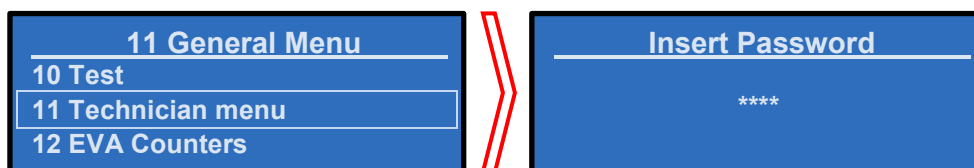
Pushing **4** you can set from 1 to 5 test sales without modifying the set prices or use cash.

If you set a value higher than 0 in this submenu after the distributor back in the vend mode (closing the drawer or by activating the micro) you have access to free vend equal to the number set.

At the end of the test the machine returns to normal vend .

4.10 ~ 11 Technician menu

Pressing the button **4** on the menu "11 Technician menu" the display will show a screen that prompts you to enter the password.

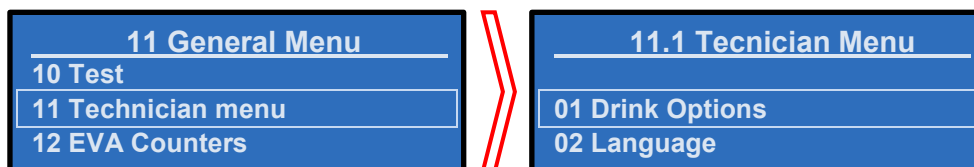


To proceed, you must enter the password **4 - 2 - 3 - 1** and then press the button **4** to confirm and enter to the protected menu.

If you insert a wrong password the display turn back to the general menu.

If the password has been entered correctly the display show the first protected menu "**01 Drink Options**", to scroll thought the submenu use the button **2** and **3**, button **2** fort the next and button **3** fort the previous. For return to the general menu press the button **1**.

4.10.1 ~ 01 Drink Options



4.10.1.1 ~ 00 Number of tray

This function is used to recognize the type of vending machine.

2 trays for model DL6

3 trays for model DL9

4.10.1.2 ~ 01 Machine selection

This parameter sets the type of machine:

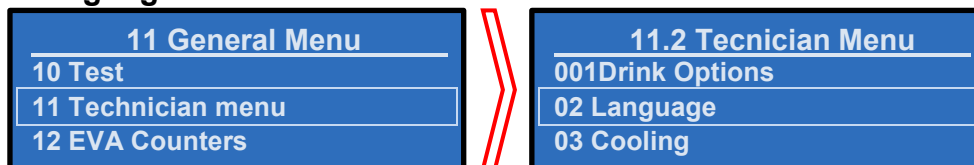
00 DL series (default)

01 DB series

4.10.1.3 ~ 02 Adjust release position

Adjust the height of the bucket when release the product in the FLAP. Settable form 1 to 10.

4.10.2 ~ 02 Language



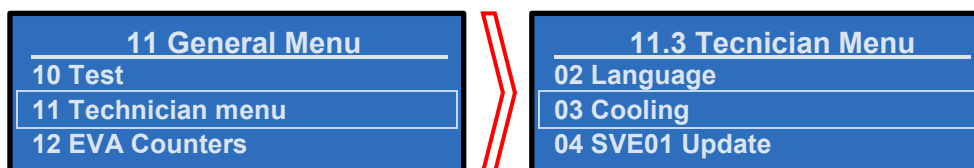
00 English language The standard language of the machine set as default is English

01 Custom International It is the language inserted on the USB key, in the desired language in alphabets.

02 Custom Cyrillic It is the language inserted on the USB key, in the desired language with Cyrillic characters

Note: To reset the default language (English) press the programming button on the SVE01 board while turning on the machine, and then confirm by pressing button **4** on the external keyboard.

4.10.3 ~ 03 Cooling



4.10.3.1 ~ 00 Temperature display

Within this submenu you can enable or disable the display of the temperature in vend mode.

4.10.3.2 ~ 01 HACCP Enable

Within this submenu you can enable or disable the function of HACCP which make it appear the menu "02 HACCP Parameter"

4.10.3.3 ~ 02 HACCP Parameter

Menu which are visible only when HACCP is enabled.

This function refers to the HACCP regulations to ensure the food products safety sold through the Vending machines.

HACCP standard uses 3 parameters for determining the INHIBIT SELECTION (SALES) of the products (all can be programmed through HACCP parameter) .

- (1) : Temperature threshold.
- (2) : Time (duration) of temperature excess.
- (3) : Maximum Temperature threshold.

The first 2 parameters are related to each other, because when the machine detects the temperature exceeds the set threshold temperature (1), it controls (via the parameter (2): Time of temperature excess) for how long it stayed above the set value (1). If the temperature stayed above set value (1) for a longer than the value set for (2) the vending machine inhibits the selections which were programmed with HACCP parameters (see below parameter 03 HACCP Products).

The maximum temperature threshold directly inhibits the selections which are programmed with HACCP parameters if the set value (3) is exceeded.

When the selection related to HACCP parameters are inhibited next to the date and time appears an asterisk (*) to indicate the error of the HACCP. You can view and reset the error in the appropriate menu "00 Historical Error".

4.10.3.3.1 ~ 00 Temperature Threshold

In this submenu you can set the temperature threshold that is managed by HACCP parameters.

4.10.3.3.2 ~ 01 Temperature Excess Time

In this submenu you can set after how much time you need activate the inhibition of the selections managed by the HACCP parameters.

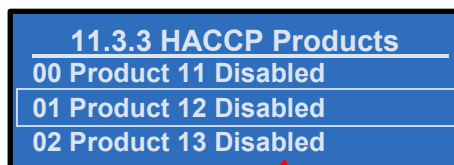
4.10.3.3.3 ~ 02 Maximum Temperature Threshold

In this submenu you can set the maximum threshold temperature managed by HACCP parameters.

4.10.3.3.4 ~ 03 HACCP Products

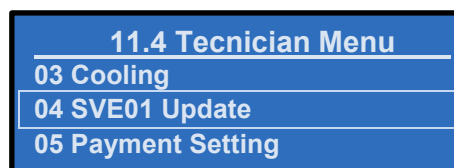
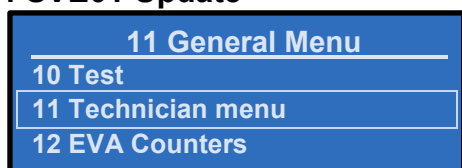
This submenu allows to select which columns (selections) must be managed by HACCP parameters.

00 Product 11 Disabled
 ...
 08 Product 19 Disabled
 10 Product 21 Disabled
 ...
 18 Product 29 Disabled
 20 Product 31 Disabled
 ...
 28 Product 39 Disabled
 30 Product 41 Disabled
 ...
 38 Product 49 Disabled
 40 Product 51 Disabled
 ...
 48 Product 59 Disabled
 80 All Product



The writing changes if active or not the selection. (Disabled / Enabled)

4.10.4 ~ 04 SVE01 Update



It is possible to update the software of SVE01 using a USB key.

Pressing **4** the word "Continue ?" will appear on the display, press **4** again to view the files within the USB stick.

Use the buttons **2** and **3** to scroll through the files/folders on the USB key to find the file "SVE01.bin".

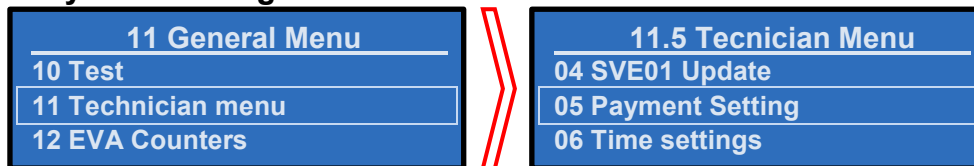
The folders are indicated by a slash "/".

Press the button **4** to enter a folder or to confirm the file to use for the update.

To return to the previous folder you need to press the button **4** when the display shows "/.."

The vending machine to confirm the correct board upgrade will emit a beep for about 4 seconds. In case of failure to update the board will issue 3 beeps in sequence.

4.10.5 ~ 05 Payment Setting



Allows you to set all parameters of the payment system.

4.10.5.1 ~ 00 Payment Protocol

Allows you to select the type of payment protocol:

- Executive
- MDB

Select the payment method with the button **2** and **3**, confirm by pressing the button **4**.

4.10.5.1.1 ~ Executive Mod

If you choose Executive only the Price Holding must be set

Executive price holding= 0

No price holding in the coin changer, prices hold in the machine. If the prices are set to 0 the vend is a free vend and Executive coinage settings are not respected.

Executive price holding= 1

Price holding in coin changer (machine send price line 1 to 22) price settings in the machine are not respected.

Executive price holding= 2

Price holding in the coin changer, machine send vend request price line setup in machine's prices. If the prices are set to 0 the vend is a free vend and Executive coinage settings are not respected.

4.10.5.1.2 ~ MDB Mode

If you choose the MDB mode the display will show the following submenu:

02 MDB overpay mode

When the surcharge is activated acceptor and coin return is handled manually, refer to the parameters with (*).

When the surcharge is not active, the coin changer will not accept coins with a value higher than the price of the beverage.

OFF = overpay not allowed

ON = overpay admitted

03 MDB max cash credit

This function is allowed only when the MDB multi vend is enabled, otherwise the maximum credit coins is given by the maximum price set by the machine.

Here you can set the maximum credit that the coinage accepts during the sales cycle.

04 MDB max cashless credit

Here you can set the maximum credit that the coinage accepts for the key.

05 MDB Changer Keypad

Activate the button to dispense the coins you find on the coin mechanism

OFF = Not activated

ON = Enabled

06 MDB Correct change value

This parameter must be set to the minimum value of the coins that the coinage can contain in the tubes to give the rest.

07 MDB Low change equation (*)

This parameter defines the equation of the tubes used to determine the situation of little rest. The combination of empty status takes on the exact state of the rest:

A is the lowest value reported in the coin tubes.

D is the highest value reported in the coin tubes.

0 : TUBE A and TUBE B and TUBE C and TUBE D

1 : TUBE A or TUBE B or TUBE C

2 : TUBE A only

3 : TUBE B only

4 : TUBE C only

5 : TUBE D only

6 : TUBE B or TUBE C or TUBE D

7 : TUBE A and TUBE B or TUBE C

8 : TUBE A and TUBE B or TUBE D

9 : TUBE A and TUBE C or TUBE D

10 : TUBE B and TUBE C or TUBE D

11 : TUBE A and TUBE D or TUBE C

12 : TUBE B and TUBE D or TUBE A

13 : TUBE A or TUBE C

14 : TUBE A or TUBE B and TUBE C

15 : TUBE A or TUBE B

08 MDB Low change level (*)

This number will be deducted from the number of tubes reported by the coin mechanism to calculate (based on the equation of low change) the exact status of change

09 MDB Bill Accepted 1(*)

This parameter allows you to set the bills to be accepted under normal condition of sales (refer to "MDB Coin Accepted1" for explanation)

10 MDB Bill Accepted 2(*)

This parameter allows you to set the bills to be accepted under normal condition of sales (refer to "MDB Coin Accepted1" for explanation)

11 MDB Bill Acc.Low Change 1(*)

This parameter allows you to set the bills to be accepted under low change condition (refer to "MDB Coin Accepted1" for explanation)

12 MDB Bill Acc.Low Change 2(*)

This parameter allows you to set the bills to be accepted under low change condition (refer to "MDB Coin Accepted1" for explanation)

13 MDB Coin Accepted (*)

This parameter allows you to set the coin to be accepted under normal condition of sales

These parameters are used to accept or inhibit 16 different types of coins

Coins accepted 1 = from coin 1 to 8

Coins accepted 2 = from coin 9 to 16

Coin 1 corresponds to the lowest accepted value, and coin 16 is the highest.

Each coin has a corresponding binary value:

coin 1 = 1	coin 9 = 1
coin 2 = 2	coin 10 = 2
coin 3 = 4	coin 11 = 4
coin 4 = 8	coin 12 = 8
coin 5 = 16	coin 13 = 16
coin 6 = 32	coin 14 = 32
coin 7 = 64	coin 15 = 64
coin 8 = 128	coin 16 = 128

Example: To accept coins 1 – 2 – 3 – 4 – 13 – 15 sum up the respective values:

Accepted coins 1 = $1 + 2 + 4 + 8 = 15$

Accepted coins 2 = $16 + 64 = 80$

14 MDB Coin Accepted 2(*)

This parameter allows you to set the coin to be accepted under normal condition of sales (refer to "MDB Coin Accepted1" for explanation)

15 MDB Coin Acc.Low Change 1(*)

This parameter allows you to set the coin to be accepted under low change condition (refer to "MDB Coin Accepted1" for explanation)

16 MDB Coin Acc.Low Change 2(*)

This parameter allows you to set the coin to be accepted under low change condition (refer to "MDB Coin Accepted1" for explanation)

17 MDB Force vend

This parameter is used to prevent the use of the vending machine coins as change, in practice when this parameter is enabled, you can get the rest only in the following cases:

By placing the money and making a selection (both with a full column and with an empty column).

Inserting a number of coins that can be returned to the coin mechanism (coins that go in the change tubes) that do not reach the maximum price.

Note: If you use the key with the possibility of charging, you can activate the forced sale

18 MDB Multi vend

NO = Multiple Sale disabled (the rest is paid automatically after selection) [default]
YES = Multiple Sale enabled (the rest is retained for a subsequent selection, if you want instead of the rest of the provision is necessary to press the button changer)

19 MDB Bill Escrow mode

This allows you to give as rest also banknotes. If enabled and the last banknote increases the credit over the maximum price, the bank note is not inserted in the counter, but remains available to be rendered as change. If the function is disabled, the banknotes go in the counter.

20 MDB Credit timeout

This parameter determines the management of remaining credit:

YES = Deletes the remaining balance if you do not press any button for 5 minutes [default]

NO = Keeps the credit for an indefinite period

27 Decimal point

This parameter controls the decimal position for visualizing the credit on the display

0 = No decimal : 100

1 = Decimal 1 position : 10.0

2 = Decimal 2 position : 1.00 [standard position]

28 MDB Cashless credit display

YES = The credit is shown on the display

NO = The credit isn't shown on the display during vend cycle.

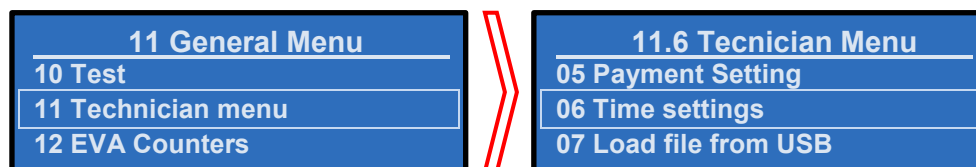
29 MDB Cashless sale management

Currently not used, reserved for future implementations.

30 MDB Bill Revalue mode

If this parameter is enabled the bill are accepted only to recharge the key, when the key mode is activated.

4.10.6 ~ 06 Time Setting



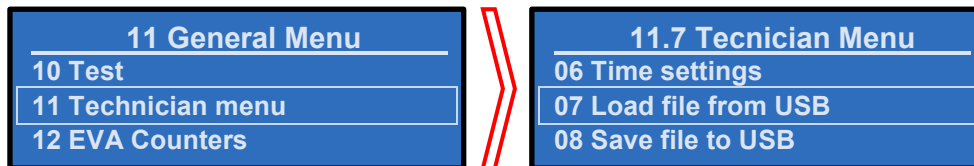
Within this menu you can set the time.

Press **4** to enter, with button **2** and **3** choose between Year, Month, Date, Hour and Minutes.

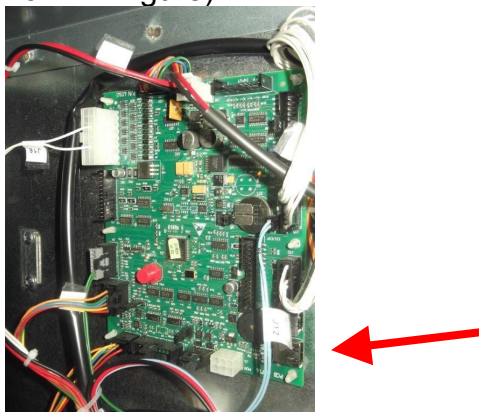
Use buttons **2** and **3** to set the new values.

Confirm with button **4** or exit without changing using button **1**.

4.10.7 ~ 07 Load file from USB



To load a file you need to connect a ESB, that contain the file created b the program SVCM, into the connector (shown in figure):

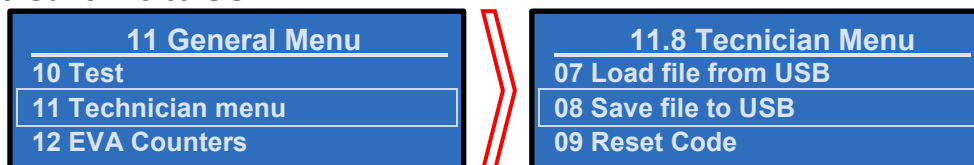


To perform this procedure you must press the red button on the SVE01 board, scroll through the menu items using the button **2** until the "11 Technician Menu", enter the menu and scroll the submenu item until the "07 Load file form USB". Reached the function press the button **4**;

The system will display the files within your USB. Scroll through your files using the buttons **2** or **3** until you find the file to be uploaded, to load the file inside the machine press the button **4**.

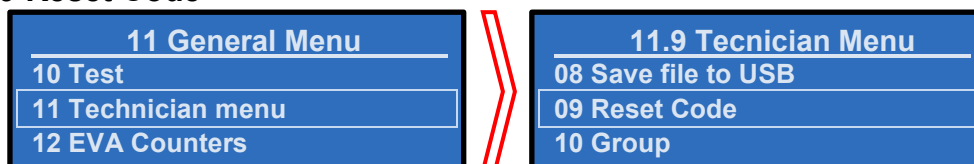
Note: The machine software allows you to upload one file at time, so if you need to load more than one is necessary to repeat the procedure "07 Load file form USB".

4.10.8 ~ 08 Save file to USB



To save the file you need to connect a USB into the board connector (shown in the figure above).By pressing the button **4** this function saves on the USB two files: the full backup of the machine and the language file.

4.10.9 ~ 09 Reset Code



To reset to factory parameters must be set the code reset to "5" and press the button **4**, then you must turn off the machine from the button on the box transformer.

While pressing the programming red key on the SVE01 board, turn on the vending machine and wait a long confirmation beep.

The display will show the message "Continue?" At this point press the select button **4** to confirm and wait again a long confirmation beep. When the reset is complete the distributor returns to the screen where it shows the version of the software.

4.10.10 ~ 10 Group

The Group function allows you to associate some selections/columns loaded in a vending machine in order to group the same products. The machine therefore applies one price/group and to empty the selection/column equally aligned, by alternating the sales among the group.

- The maximum number of groups that can be created is 80 (the product can be group of one Column as well).
- The selection of Group function is always the first one of the group (for example, if you create a group of product selections 11-12-13-14, the Group selection number will only be 11 for this Group (Thus, 12-13-14 under its Group will be void automatically)
- All counters, prices, configurations (optic barrier, extra rotation etc...) will always refer to the Group selection number, which is the first selection of the group (the above case = 11), except for the Lift position of G-Snack machine which is related to the physical position of the motor.

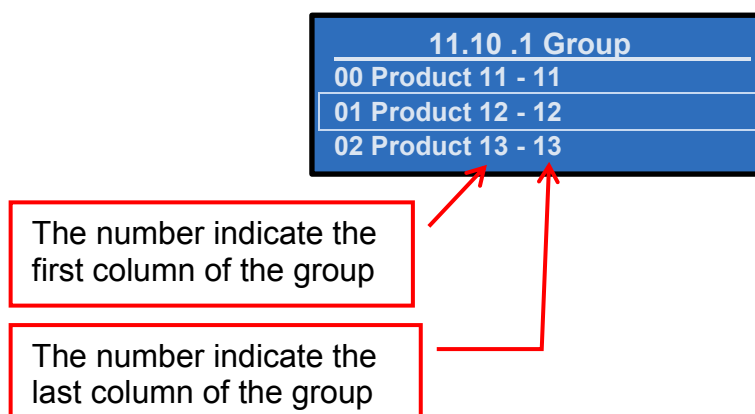
When you enter the Group function menu, it will display available groups. To form a group, you need to select the first Column which you wish to start grouping then confirm. Then select the last Column which you wish to end grouping, then confirm.

N.B. When the group function is created, only the first selection number will be displayed. All the selections grouped within will no longer be displayed.

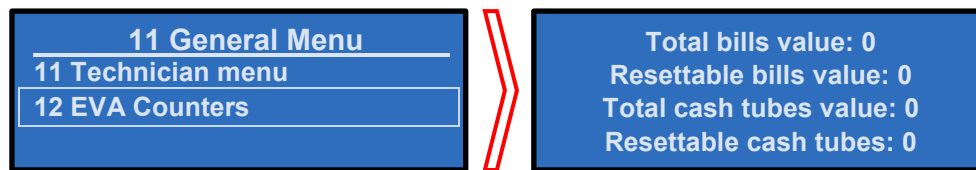
During the vend cycle, when a Column which is set as a Group function is selected, the machine will sell the product of the Column. If the sale fails, the system will automatically try to make a sale on the next Column belongs to the same group, if all the sales are failed (after going through all selection within the group) the machine will display Sold-Out. On contrary, when the product is sold, the display shows "Thank you" and counts as product sold.

When the same selection is made one after another, the machine will automatically sale the next selection of Spiral/Column of the same group in order.

00 Product 11 - 11
...
08 Product 19 - 19
10 Product 21 - 21
...
18 Product 29 - 29
20 Product 31 - 31
...
28 Product 39 - 39
30 Product 41 - 41
...
38 Product 49 - 49
40 Product 51 - 51
...
48 Product 59 - 59
80 Clear Product



4.11 ~ 12 EVA Counters



Through the programming menu of the machine you can see the following parameters:

Total bills value: 0	Total cash dispensed value: 0
Resetable bills value: 0	Resetable cash dispensed value: 0
Total cash tubes value: 0	Total cashless value: 0
Resetable cash tubes: 0	Resetable cashless value: 0
Total cash box value: 0	Total cashless sale: 0
Resetable cash box value: 0	Resetable cashless sale: 0

The software installed on SVE01 board is in conformity with the EVADTS protocol 6.1.1.

The introduced field are as follows:

- DXS01 Communication id of sender
- DXS02 Functional identifier
- DXS03 Version
- DXS04 Transmission control number
- ST01 Transaction set header
- ST02 Transaction set control number
- ID101 Machine serial number
- ID102 Machine model number
- ID103 Machine build standard
- ID401 Decimal point position
- ID601 Cash bag number
- CB101 Control board serial number
- CB102 Model number or description of the control board
- CB103 Software revision number of the control board
- CA101 Coin mechanism serial number
- CA102 Coin mechanism model number
- CA103 Coin mechanism software revision
- BA101 Bill validator serial number
- BA102 Bill validator model number
- BA103 Bill validator software revision
- DA101 Cashless 1 serial number
- DA102 Cashless 1 model number
- DA103 Cashless 1 software revision
- VA101 Value of all paid vends since initialisation
- VA102 Number of all paid vends since initialisation
- VA103 Value of all sales vends since last reset
- VA104 Number of all paid vends since last reset
- VA105 Value of all discounted paid Sales since initialisation
- VA106 Number of all discounted paid Vends since initialisation
- VA107 Value of all discounted paid Sales since last reset
- VA108 Number of all discounted paid Vends since last reset
- CA301 Value of cash in since last reset
- CA302 Value of cash to cash box since last reset
- CA303 Value of cash to tubes since last reset
- CA305 Value of cash in since initialisation

- CA306 Value of cash to cash box since initialisation
- CA307 Value of cash to tubes since initialisation
- CA309 Value of bills in since last reset
- CA310 Value of bills in since initialisation
- CA401 Value of cash dispensed since last reset
- CA402 Value of manual cash dispensed since last reset
- CA403 Value of cash dispensed since initialisation
- CA404 Value of manual cash dispensed since initialisation
- CA1001 Value of cash filled since last reset
- CA1002 Value of cash filled since initialization
- DA201 Value of cashless 1 sales since initialization
- DA202 Number of cashless 1 sales since initialization
- DA203 Value of cashless 1 sales since last reset
- DA204 Number of cashless 1 sales since last reset
- DA401 Value of credit to cashless 1 since initialization
- DA402 Value of credit to cashless 1 since last reset
- DA501 Value of card discounts since last reset
- DA502 Number of card discounts vends since last reset
- DA503 Value of card discounts since initialization
- DA504 Number of card discounts vends since initialization
- PA101 Product number
- PA102 Product price
- PA201 Number of product vended since initialization
- PA202 Value of product vended since initialization
- PA203 Number of product vended since last reset
- PA204 Value of product vended since last reset
- PA205 Number of discounted paid vends since initialization
- PA206 Value of discounted paid vends since initialization
- PA207 Number of discounted paid vends since last reset
- PA208 Value of discounted paid vends since last reset
- EA302 Data of this read out
- EA303 Time of this read out
- EA305 Data of last read out
- EA306 Time of last read out
- EA309 Number of reads with or without reset since init
- EA310 Number of resets since initialization
- EA701 Number of power outages since last reset
- EA702 Number of power outages since initialization
- SD105 Reset all interval data control
- G85 Record integrity check
- SE01 Number of included sets
- SE02 Transaction set control number
- DXE01 Transmission control number
- DXE02 Number of included sets

The hardware of SVE01 board uses a serial protocol logic levels to RS232.

The connection harness is an adapter STOCKO connector to a standard Jack Part no. 144097.

The variation of IRDA protocol is not supported, however, there are devices available in the market that allows to inter-face from the standard JACK to IRDA.

5 DESCRIPTION AND FUNCTION OF CONTROL UNIT

5.1 Control Unit EASY CAREL

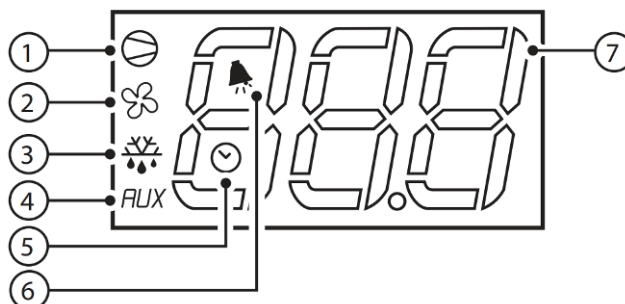
The electronic control unit EASY CAREL regulates and controls the refrigerant system and all its components: The compressor, the fans, the defrosting, and is independent of the control of the board SVE01, which control the electronics of the distributor.



On the front of the control unit are: 3 digits, 6 LED indicators that show the operating conditions and 3 buttons.

5.1.1 Display

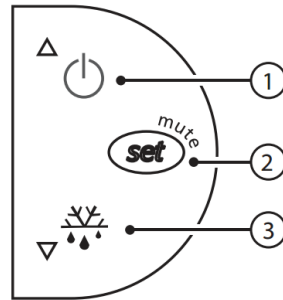
1. Compressor LED
2. Fan LED
3. Defrost LED
4. Auxiliary exit
5. Watch
6. Alarm
7. Numbers



The LED light on the display show the operation of the cooling system.

- 1 Compressor LED: indicates the status of the compressor.
 - LED is lit, the compressor is ON
 - LED blinks, the compressor is waiting before starting (check ES)
 - LED OFF, the compressor is OFF.
- 2 Fan LED: indicate the status of the evaporator.
 - LED is lit, the fans are running
 - LED blinks, the fans are waiting before starting
 - LED OFF, The fans are turned off
- 3 Defrost LED: indicate the status of the defrost.
 - LED is lit, The defrost mode is ON
 - LED blinks, is in drip mode after defrost
 - LED OFF, defrost is OFF.
- 4 Auxiliary exit: not used in this vendor.

5.1.2 Key board



Key 1 "UP", in normal function if pushed for more than 1 second, it visualizes the temperature of probe 2 (evaporator). If pushed during the visualization of the set point it increases the set value.

Key 2 "SET", pushed more than 1 second allows the visualization and setting of the set point

Key 3 "DOWN", pushed for more than 3 seconds starts or stops the defrost, and if it is pushed during the visualization of the set point it decreases the set value.

5.1.3 Set the temperature

The setting of the internal temperature is performed via the control unit in the following manner:

Press for more than 1 second the button 2 "SET", the display show the set point temperature setting.

To increase or decrease the value press button 1 "UP" or 3 "DOWN".

Press button 2 "SET" to confirm the new value.

5.1.4 Quick defrost

You can start a defrost without changing the interval set on the controller.

If the gasket is damaged or the delivery door remains open too long (for example is blocked by an object) the hot air enters into the cold store thus creating ice above the evaporator which blocks the passage of air.

To solve the problem you need to initiate an additional defrost action that may be performed in a few steps:

To start the defrost press and hold for 3 seconds the button 3 "DOWN". To stop the process, press again the button 3 "DOWN".

5.1.5 Description of the main signals and alarms

The error codes are displayed on the display alternating with the temperature gauge.

ERROR	DESCRIPTION
ES	The compressor has a timing delay when starting, therefore the LED of the compressor on the display starts to flash.
E0	Still or flashing means an adjusting probe error: <ul style="list-style-type: none"> • probe not working, the probe signal is interrupted or in short circuit; • probe is not compatible with the instrument; The E0 alarm signal is stable if it is the only alarm present (the temperature value is no longer shown), it flashes if there are other alarms or if the second probe is shown
E1	Flashes evaporator probe error: <ul style="list-style-type: none"> • probe not working, the probe signal is interrupted or in short circuit; • probe is not compatible with the instrument;
EE	Visualized during functioning or activation Error in reading of the machine parameters. See memorised data errors.
EF	Visualized during functioning or activation Error in reading of the working parameters. See memorised data errors.
ED	The last defrosting finishes when exceeding the maximum time. The indication disappears if the next defrost is finished correctly.
DF	Defrosting in course: <ul style="list-style-type: none"> • it is not an alarm signal but an indication that the instrument is doing a defrosting.
DISPLAY BLINKS	The control unit display and all the LED's are flashing: <ul style="list-style-type: none"> • indicates that the door is open, or that the door switch is not working correctly • it is activated when the door remains open for more than one hours

5.1.6 Function

When switching on the control unit for the first times there will be a delay of three minutes in the compressor and evaporator fan starting .

During normal working, the compressor will stop only after reaching the set point temperature and the evaporator fans will work always.

When opening the door (if there is a door switch) both the compressor (if working) and fans will stop.

When closing the door, the fans will start immediately, while the compressor will have a delay of three minutes from the last switching off, even if the door is closed before.

The cooling unit is controlled by various parameters inserted in the software of the control unit and unchangeable by the User, this avoids possible and unwanted modifications to the same parameters, that could cause a malfunctioning of the cooling unit. In any case, for any particular needs it is possible to contact the technical assistance service that will assist you in various problems.

5.2 Control Unit CAREL ir33

The electronic control unit CAREL ir33 regulates and controls the refrigerant system and all its components: the compressor, the fans, the defrosting and is independent of the control of the board SVE01, which control the electronics of the distributor.

On the front of the control unit are: 3 digits, 7 LED indicators that show the operating conditions and 4 buttons.






ir33, ir33 DIN, ir33 power, powercompact, powercompact small

5.2.1 Display

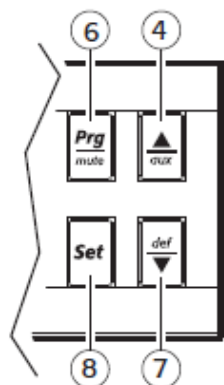
ICON	FUNCTION	DESCRIPTION	Normal operation			Start up
			ON	OFF	BLINK	
	COMPRESSOR	ON when the compressor starts. Flashes when the activation of the compressor is delayed by safety times.	Compressor on	Compressor off	Awaiting activation	
	FAN	ON when the fan starts. Flashes when the activation of the fan is prevented due to external disabling or procedures in progress.	Fan on	Fan off	Awaiting activation	
	DEFROST	ON when the defrost is activated. Flashes when the activation of the defrost is prevented due to external disabling or procedures in progress.	Defrost in progress	Defrost not in progress	Awaiting activation	
AUX	AUX	Flashes if the anti-sweat heater function is active, ON when the auxiliary output (1 and/or 2) selected as AUX (or LIGHT in firmware version 3.6) is activated.	AUX auxiliary output active (version 3.6 light auxiliary output active)	AUX auxiliary output not active	Anti-sweat heater function active	
	ALLARM	ON following pre-activation of the delayed external digital input alarm. Flashes in the event of alarms during normal operation (e.g. high/low temperature) or in the event of alarms from an immediate or delayed external digital input.	Delayed external alarm (before the time 'A7' elapses)	No alarm present	Alarms in norm. operation (e.g. High/low temperature) or immediate or delayed alarm from external digital input	
	CLOCK	ON if at least one timed defrost has been set. At start-up, comes ON for a few seconds to	If at least 1 timed defrost event has been	No timed defrost event set	Alarm clock	ON if real-time clock

Instructions for programming SVE01 Board functions



ICON	FUNCTION	DESCRIPTION	Normal operation			Start up
			ON	OFF	BLINK	
		indicate that the Real Time Clock is fitted.	set			present
	LIGHT	Flashes if the anti-sweat heater function is active, ON when the auxiliary output (1 and/or 2) selected as LIGHT is activated (in firmware version 3.6 it does not _ash in anti-sweat heater mode and comes on when the dead band output is active).	Light auxiliary output on(version 3.6 dead band auxiliary output active)	Light auxiliary output off	Anti-sweat heater function active(version 3.6 does not flash in anti-sweat heater mode)	
	SERVICE	Flashes in the event of malfunctions, for example E2PROM errors or probe faults.		No malfunction	Malfunction (e.g. E2PROM error or probe fault). Contact service	
HACCP	HACCP	ON if the HACCP function is enabled. Flashes when there are new HACCP alarms stored (HA and/or HF alarm shown on the display).	HACCP function enabled	HACCP function not enabled	HACCP alarm saved (HA and/or HF)	
	CONTINUOUS CYCLE	ON when the CONTINUOUS CYCLE function is activated. Flashes if the activation of the function is prevented due to external disabling or procedures in progress (E.g.: minimum compressor OFF time).	CONTINUOUS CYCLE operation activated	CONTINUOUS CYCLE function not activated	CONTINUOUS CYCLE operation requested	
	DISPLAY	Shows temperature in range - 50 to +150°C. The temperature is displayed with resolution to the tenths between -19.9 and + 19.9 °C. The display of the tenths can be disabled by setting a parameter.				

5.2.2 Keyboard



ir33, ir33 power

Icon	Normal operation		Start up	Automatic address assignment request
	pressing the button alone	pressing together with other buttons		
 PRG/MUTE	If pressed for more than 5 seconds, accesses the menu for setting the type "F" parameters (frequent). Mutes the audible alarm (buzzer) and deactivates the alarm relay	PRG+SET: if pressed together for more than 5 seconds, accesses the menu for setting the type "C" parameters (configuration) or downloading the parameters. PRG+UP/AUX: if pressed for more than 5s, resets any alarms with manual reset	If pressed for more than 5 seconds at start-up, activates the procedure for restoring the default parameters	If pressed for more than 1 second, starts the automatic serial address assignment procedure
 UP/AUX	If pressed for more than 1s, activates/deactivates the auxiliary output.	UP/AUX+DOWN/DEF: if pressed together for more than 5 seconds, activates/deactivates continuous cycle operation. UP/AUX +SET: if pressed together for more than 5 seconds, starts the report printing procedure (if the controller is connected to the printer interface). UP/AUX +PRG/MUTE: if pressed together for more than 5 seconds, resets any active alarms with manual reset.		
 DOWN/DEF	If pressed for more than 5 seconds activates a manual defrost	DOWN/DEF +UP/AUX: if pressed together for more than 5 seconds activates/deactivates continuous cycle operation. DOWN/DEF +SET: if pressed together for more than 5 seconds, displays a sub-menu used to access the parameters relating to the HACCP alarms ('HA', 'HAN', 'HF', 'HFn').		
 SET	If pressed for more than 1 second, displays and/or sets the set point.	SET+PRG/MUTE: if pressed together for more than 5 seconds accesses the menu for setting the type "C" parameters (configuration) or downloading the parameters. SET+DOWN/DEF: if pressed together for more than 5 seconds, displays a sub-menu used to access the parameters relating to the HACCP alarms ('HA', 'HAN', 'HF', 'HFn'). SET+UP/AUX: if pressed together for more than 5 seconds, starts the report printing procedure (if the controller is connected to the printer interface).		

5.2.3 Displaying and setting the set point

Press **SET** for more than 1 second to display the set point;

Increase or decrease the set point using the ▲ or ▼ buttons respectively, until reaching the desired value;

Press **SET** again to confirm the new value.

6 PROGRAMMING MENU STRUCTURE

General Menu	1° Submenu	2° Submenu	3° Submenu
00 Historical menu			
	No error		
	ERROR SPEED Y		
	ERROR HOME SWITCH Y		
	ERROR OPTICAL SENSOR Y		
	ERROR SPEED X		
	ERROR HOME SWITCH X		
	ERROR OPTICAL SENSOR X		
	ERROR INITIALISATION		
	ERROR SLAVE MEMORY		
	BUCKET ERROR		
	WRONG SHELF NUMBER		
	VEND PROHIBITION		
	No USD		
	DOOR SWITCH ERROR		
	POWER SUPPLY ERROR		
	DELIVERY FLAP ERROR		
	Motor time-out during opening		
	Motor time-out during closing		
	uSw locking not detected		
	uSw unlocking not detected		
	HACCP error		
01 Tubes Payout			
	00Tube 0.00x0		
	01Tube 0.00x0		
	02Tube 0.00x0		
	03Tube 0.00x0		
	04Tube 0.00x0		
	05Tube 0.00x0		
	06Tube 0.00x0		
	07Tube 0.00x0		
02 Tubes Fill			
03 Cash Counter			
	00 Product 11 0.00 / 0.00		
	...		
	08 Product 19 0.00 / 0.00		

10 Product 21 0.00 / 0.00
...
18 Product 29 0.00 / 0.00
20 Product 31 0.00 / 0.00
...
28 Product 39 0.00 / 0.00
30 Product 41 0.00 / 0.00
...
38 Product 49 0.00 / 0.00
40 Product 51 0.00 / 0.00
...
48 Product 59 0.00 / 0.00
80 All Product 0.00 / 0.00

04 Sale Counter

00 Product 11 0 / 0
...
08 Product 19 0 / 0
10 Product 21 0 / 0
...
18 Product 29 0 / 0
20 Product 31 0 / 0
...
28 Product 39 0 / 0
30 Product 41 0 / 0
...
38 Product 49 0 / 0
40 Product 51 0 / 0
...
48 Product 59 0 / 0
80 All Product 0 / 0

05 Coin Price

00 Product 11 = 0.00
...
08 Product 19 = 0.00
10 Product 21 = 0.00
...
18 Product 29 = 0.00
20 Product 31 = 0.00
...
28 Product 39 = 0.00
30 Product 41 = 0.00
...
38 Product 49 = 0.00
40 Product 51 = 0.00
...
48 Product 59 = 0.00
80 All Product

06 Key 1 Price

00 Product 11 = 0.00
...
08 Product 19 = 0.00
10 Product 21 = 0.00
...
18 Product 29 = 0.00

Instructions for programming SVE01 Board functions



20 Product 31 = 0.00
...
28 Product 39 = 0.00
30 Product 41 = 0.00
...
38 Product 49 = 0.00
40 Product 51 = 0.00
...
48 Product 59 = 0.00
80 All Product

07 Key 2 Price

00 Product 11 = 0.00
...
08 Product 19 = 0.00
10 Product 21 = 0.00
...
18 Product 29 = 0.00
20 Product 31 = 0.00
...
28 Product 39 = 0.00
30 Product 41 = 0.00
...
38 Product 49 = 0.00
40 Product 51 = 0.00
...
48 Product 59 = 0.00
80 All Product

09 Audit Usb

10 Test

01 Flap test	00 Flap lock
	01 Flap unlock
	02 Flap open
	03 Flap close
	04 Product detect
02 Keyboard	
04 Temperatures	T1
	T2
	T3
07 Drink Vending test	

11 Technician menu

01 Drink Options	00 Number of Tray
	01 Machine Selection
	02 Adjust release position
02 Language	00 Standard
	01 Custom International

Instructions for programming SVE01 Board functions



	02 Custom Cirillic	
03 Cooling	00 Temperature display	00 Temperature Threshold
	01 HACCP Enable	01 Temperature Excess Time
	02 HACCP Parameter	02 Maximum Temperature Threshold
		03 HACCP Products
04 SVE01 Update		
05 Payment Setting	00 Payment Protocol	
	01 Executive Price Holding	
	02 MDB overpay mode	
	03 MDB max cash credit	
	04 MDB max chasless credit	
	05 MDB Change Keypad	
	06 MDB Correct change value	
	07 MDB Low change equation	
	08 MDB Low change level	
	09 MDB Bill Accepted1	
	10 MDB Bill Accepted2	
	11 Mdb Bill Acc.Low Change1	
	12 Mdb Bill Acc.Low Change2	
	13 MDB Coin Accepted1	
	14 MDB Coin Accepted2	
	15 Mdb Coin Acc Low Change1	
	16 Mdb Coin Acc Low Change2	
	17 MDB Force vend	
	18 MDB Multi vend	
	19 MDB Bill Escrow mode	
	20 MDB Credit timeout	
	27 Decimal point	
	28 MDB Cashless credit display	
	29 MDB Cashless sale management	
	30 MDB Bill Revalue mode	
06 Time Setting	00 Year	
	01 Month	
	02 Date	
	03 Hour & Minutes	
07 Load file from USB		
08 Save file to USB		

09 Reset Code	
10 Group	
	00 Product 11-11
	...
	08 Product 19-19
	10 Product 21-21
	...
	18 Product 29-29
	20 Product 31-31
	...
	28 Product 39-39
	30 Product 41-41
	...
	38 Product 49-49
	40 Product 51-51
	...
	48 Product 59-59
	80 Clear Product
12 EVA Counters	

SandenVendo Europe S.p.A.
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ITALY

declares under its responsibility that the following vending machine:

Vending machine Model	SVE DL9 - SVE DL6 SVE DV9 - SVE DV6
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Is in conformity with the following Directives:

- Directive 2006/42/EC (Machinery)
- Directive 2006/95/EC (Electrical Equipment)
- Directive 2004/108/EC (Electromagnetic Compatibility)

Is in conformity with the following standards and normative documents:

- UNI EN 12100 Safety of machinery – General principles for design – Risk assessment and risk reduction
- UNI EN 60204 (Electrical Equipment of Machines)
- IEC EN 60335-2-75 Safety of electrical appliances for household and similar use

The manufacturer forbids the use of the machine/equipment described in this declaration in any different way from the one indicated into the Use and maintenance Manual attached to the machine.

The person empowered to draw up the Technical Construction File is Mr. Carlevaro

SandenVendo Europe S.p.A.

Director



Stefano Carlevaro

Coniolo, 10/11/2014

(Place and Date of release)

Revision	Data	ECRN	Changes	Page
0	28/05/2013		Manual Creation	all
1	01/10/2013		Improved descriptions	all
			Remove point 03 Cooling	
2	02/04/2014		Update layout	
			Update service center pages	Inner cover
			Add point 3.2 Information with the vending machine opened	
			Update point 4.2 ~ 01 Tubes Payout	
			Update point 4.3 ~ 02 Tubes Fill	
			Update point 4.4 ~ 03 Cash Counters	
			Update point 4.5 ~ 04 Sale Counters	
			Update point 4.6 ~ 05 Coin Price	
			Update point 4.8 ~ 09 Audit Usb	
			Update point 4.9.2 ~ 02 Keyboard	
			Update point 4.9.4 ~ 07 Drink Vending test	
			Update point 4.10 ~ 11 Technician menu	
			Update point 4.10.1 ~ 01 Drink Options	
			Update point 4.10.5 ~ 05 Payment Setting	
			Update point 4.10.7 ~ 07 Load file from USB	
			Update point 4.10.8 ~ 08 Save file to USB	
			Update point 5.1 Control Unit EASY CAREL	
			Update point 6 programming menu structure	
			Add point 4.10.1.3 ~ 02 Adjust release position	
			Add point 4.10.3 ~ 03 Cooling	
			Add point 4.10.10 ~ 10 Group	
			Add point 5.2 Control Unit CAREL ir33	
3	09/01/2014		Update of service center page	
			Update image of display	
			Update point 4.1 ~ 00 Historical Error	
			Update point 4.10.2 ~ 02 Language	
			Update point 4.10.3.3 ~ 02 HACCP Parameters	
			Update point 4.10.4 ~ 04 SVE01 Update	
			Update point 4.11 ~ 12 EVA Counters	
			Update point 6 programming menu structure	