TCN Mini-Supermarket 22
Inches (touch)

User manual

VENDY1

OSKAR-VON-MILLER-STR. 5, 92507 NABBURG

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Section A: Introduction and preliminary information

A1 Important Note

Make sure that the machine has a distance of at least **20 cm** between the back wall and the wall to ensure optimal functioning and ventilation.

A2 Opening the menu - "Login"

There are two ways to open the menu:

1. **Direct access via the door:**
    - Open the narrow door on the right side of the machine (this contains the payment systems).
    - The inventory management is opened automatically (see item **B6 Replenishment**).
    - Tap on "**return**" at the top left to get to the login page.
2. **Sales Screen:**
    - On the sales screen, tap the **keyboard** icon.
    - Enter **the default password** 73194653.
    - Tap just above the "back" button to open the login page.

Access levels:

*** Admin user:**
Select "**Admin Login"**, enter the access code **888888,** and confirm with "**Login**" to get full access to the menu.

Filler Users:
Use the "**Replenishment Login"** for restricted access to areas in accordance with points **B6 Replenishment** and **C Slots Management**.

A3 Error Codes

Error code	Error description	A solution approach
1	Error Microswitch Anti-theft flap	Make sure that the theft flap can be moved without obstacles. Check the operation of the limit switch and the wiring.
2	Error Microswitch door	Make sure that the door is completely closed and the microswitch is properly connected and functional.
3	Current lift motor too high	Check if the lift is without Restrictions can be moved.
4	Liftmotor has reached the limit of motor steps	Check the stepper encoder for proper function.
5	Not all drawers are recognized	Check the wiring of the drawers.
6	Lift Timeout	Check whether the lift or the lift weight is impaired/blocked by tilting, jamming or other obstacles in the housing.
7	Lift timeout during normal operation	Check whether the lift or the lift weight is impaired/blocked by tilting, jamming or other obstacles in the housing.
8	Lift timeout when lowering	Check whether the lift or the lift weight is impaired/blocked by tilting, jamming or other obstacles in the housing.
9	The output tray is not locked correctly	Check that the output flap is closed correctly and the lock locks properly.
10	Timeout when leaving the Shift (opt. Detection)	Check that the lift is running smoothly.
30	Lift does not start/does not move	Control the condition of the lift motor, Limit switches and wiring. Make sure that the Liftboard provides electricity.

Error code	Error description	A solution approach
31	Timeout of the theft flap	To ensure that the Allows the theft flap to move freely. If necessary, lubricate with grease or oil.
32	Current value of the theft flap exceeds the normal value.	To ensure that the Allows the theft flap to move freely. If necessary, lubricate with grease or oil.
33	No power supply for the theft flap.	Check the connections and wiring of the motor of the anti-theft flap.
34	There is no product in the output tray.	Check whether the product is transparent or has a size of less than 30 mm.
35	A product is located in the Output tray	Make sure that no product is left in the output tray. Light barrier as well as checking the product recognition for its function.
36	The product has become snagged or stuck.	Check if a product is stuck and make sure the lift heights are set correctly.
37	Short circuit in the lift motor.	Check the lift motor and the wiring and replace it if necessary.
40	Errors in the circuit board of the motor controller.	Check the motor control board and replace it if necessary.
41	Read errors in flash memory.	Inspect the board or flash memory and replace it if necessary.
42	Write errors in the flash memory.	Inspect the board or flash memory and replace it if necessary.
43	Invalid or incorrect command.	Investigate possible interference caused by transmitters. Check the boards and replace them if necessary.
44	Failed self-test.	Investigate possible interference from Transmitter. Check the boards and replace them if necessary.
45	Door not closed correctly.	Make sure that the door is completely closed. Check the door switch and wiring.

Error code	Error description	A solution approach
64	The engine is not functional.	Check that the motor is properly connected. If necessary, replace the engine.
80	Timeout on the spirals	Make sure that products comply with specifications.
255	No feedback from the "Driver-Board".	Control the communication between "DriverBoard" and "Elevator Driver Board".

Section B: Product Management – "Goods Management"

B1 Subject Settings - "Slots Management"

In this menu you can make product settings for single or multiple compartments at the same time:

1. Select the first subject or enter a range (for example, 2-4).
2. Set the following values:
    - **Product Name**
    - **Sales price (unit price)**
    - **Inventory and capacity**
    - **Optional age control**
3. Pictures can also be added:
    - **Product Image: Displayed** on the main screen.
    - **Detail image: Displayed** after product selection.

Note: To disable inventory monitoring, set the value to **199** for "Inventory" and "Capacity". -> Sales then do not change the stock level.

Activate age control:

- Activate the "**Verify age before payment**" function if an age control system is used.
- In the "**Minimum purchase age" field, enter** the desired minimum age.
- Note: An age control system must be connected to the machine to use this option.

Set product images:

- **Product Image**: Displayed on the standard sales screen for the respective compartment.
- **Product detail image**: Displayed to the customer after selecting the product.
- Select only images previously saved on the machine. You will also find instructions for transferring images in this manual.

Conduct a trial sale:

- Use the "**Start testing the slots**" button to start a trial sale and check the settings.

B2 Troubleshooting - "Error Management"

This menu displays current error messages and allows their deletion:

- **Display:** Select the error message to see details.
- **Delete:** Tap on "Delete Error" to reset the error message.

B3 Change inventory and capacity – "Adjust Inventory"

1. **Enter the desired quantity (stock) in the** Input Stock field.
2. Select the relevant subject numbers.
3. Confirm with "**Confirm"**.

1. Enter the desired quantity (capacity) in the **Input capacity field.**
2. Select the relevant subject numbers.
3. Confirm with "**Confirm"**.

B4 Replenishment – "Restock Management"

1. Select the main cabinet (master) or secondary cabinet (slave).
2. Adjust the stock of individual subjects.
3. Use the "**Machine completely filled**" button to update all the compartments at once.

Section C: System Settings - "System Settings"

C1 Password - "Password"

In this menu you can change passwords:

- **Admin password:** Default is **888888**.
- **Replenishment Login Password:** Default is **888888**.
- **Login screen password:** Default is **73194653**.

C2 Payment system Settings - "Payment Settings"

Activate cash payment:

- Activate the "Cash payment" option if coin changers or bill readers are used.
- Under "Support coin domination", specify which coins and notes should be accepted.

Exchange options:

- Activate "Open Change" so that change is issued automatically.
- Optional: Activate "Manual change" to issue change only after pressing the "Change" button.
- Activate "Forced sale" (option "No consumption, no refund") so that change is only issued after a purchase.

Advanced payment settings:

- Change money denomination: Under "Change method" you can specify whether the denomination of change money is decided by the coin changer or by the machine.
- Empty the banknote change cassette: Use the "Oneclick empty banknote change box" function to empty the banknote change cassette (only available with the banknote change cassette installed).
- Maximum credit: Activate "Single maximum cumulative coin amount switch" to set a maximum credit and enter the desired amount.
- Temporary banknotes: With the "Temporary banknotes" function, the last accepted note is withheld as change until purchase (depending on the support of the bill reader).

C3 Program Update - "Program Update"

With this menu you can check and update the software version:

1. **Check availability:**
    - Make sure that the machine is connected to the Internet.
2. **Performing an update:**
    - Tap "**Update**" to download and install the new version.
    - Follow the on-screen instructions.

C4 Serial Port Settings - "Serial port settings"

This menu is used for advanced error analysis and adjustment of basic settings. Changes should be made only after consultation with technical support.

D Hardware settings - "Setup tool"

D1 Lift and compartment configuration – "Automatic lift settings"

In this menu, the basic settings for all
Hardware components of the machine are made. Please read the manual carefully before making any changes and, if necessary, consult with technical support.

D1.1 Photoelectric switch:

- The "Drop sensor" function allows you to test whether a product is blocking the light barrier.
- To gain access to the light barrier, use the test function of the theft flap.

D.1.2 Output flap:

- Under "Control of the tap point" you can unlock and re-lock the output flap by "opening" or "closing".

D.1.3 Anti-theft flap:

- Using the "Flap control" menu, you can operate the theft flap by "opening" or "closing".

D.1.4 Cooling setting:

- In the "Turning on and off the cooling (heating)" section, select:
    - "**Close":** Cooling disabled
    - "**Cool":** Cooling activated

      "**Heat":** Heating activated (if available)
- Enter the target temperature under "Target temperature" and confirm the selection with "Setting".

D.1.5 Lift settings:

- The lift height can be set individually for each drawer.
- Test rides: Enter the compartment number in the field next to "Ascend" and start the ride by tapping on "Ascend".
- Display or change motor pulses:
    - Select the drawer under "Query Parameters", confirm with "Query", and adjust the parameters.
    - Note: When querying, the top drawer is defined as drawer 0, during test drives as drawer 1.

D.1.6 Spiral/Conveyor belt changeover:

- Activate **spiral mode:** Select the option "Configure slot as spiral tray" to switch the tray to spiral mode.
- Activate **conveyor belt operation:** Select the option "Configure slot as conveyor belt compartment" to switch the compartment to conveyor belt operation.
- Switching **several compartments at the same time:** It is possible to switch all compartments of an automatic machine to spiral or conveyor belt operation at the same time.

D.1.Connect and disconnect 7 compartments:

- Two adjacent compartments can be combined to form a dual slot, so that they can be controlled together:
    - Enter the smaller slot number under "Combine with the next slot in the dual slot" and confirm with "Combine".
    - Example: To connect compartments 2 and 3, enter "2". After that, both subjects can be selected together under the number "2".
- Restore single operation: Enter the combined number under "Split into individual slots" and confirm with "Split".
- Reset all slots as single slots: Use the option "Set all slots as single slots".

D.1.8 Window heating:

- Activate the window heating by "Glass heating on".
- Disable them by "glass heating off".

D.2 Error analysis and tests - "Automatic shutter adjustment"

This menu is for advanced error analysis and should only be used after consultation with technical support.

E Function settings - "Function set"

Additional functions of the machine can be controlled in this menu.
If detailed information or changes are required, follow the instructions in the manual or contact technical support.