

INSTRUCTION MANUAL OF MACHINE FOR HONEY CREAMING WITH AUTOMATIC CONTROL OF THE C-01 SERIES



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**INSTRUCTION MANUAL
OF MACHINE FOR HONEY CREAMING
WITH AUTOMATIC CONTROL
OF THE C – 01 SERIES**

Instruction Manual applies to devices with codes:

POWER SUPPLY 400V:

Instruction manual

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MACHINERY FOR HONEY CREAMING WITH AUTOMATIC CONTROL OF THE C – 01 SERIES POWER SUPPLY - 400V

Before using the device, be sure to read the instructions for use and follow the instructions contained therein. The manufacturer is not liable for damages caused by the use of the device contrary to its intended purpose or inappropriate handling.

1. General safety rules of utilisation of machine for honey creaming



1.1. ELECTRICAL SAFETY

- a) Device (machine) must be connected to a socket with a protective earthing connection with the voltage specified on the nameplate of the product.
- b) Electrical installation powering the device must be equipped with RCD (residual current device) with a rated tripping current I_n no higher than 30mA. Check the function of the RCBO (residual current operated circuit-breaker with integral overcurrent protection) periodically.
- c) Periodically inspect the condition of the power cord. If the non-detachable power cord is damaged and it needs to be replaced. Then this operation should be carried out as guarantor or by a specialised repair facility or a qualified person in order to avoid the risk. Do not use the device when the power cord is damaged.
- d) In the case of damage to the device, in order to avoid the hazard, repair may be carried out only by a qualified repair facility or the qualified person.
- e) It is forbidden to pull the power cord. The power cord must be kept away from heat sources, sharp edges and take care of its satisfactory condition.



1.2. OPERATIONAL SAFETY

- a) This equipment is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge concerning the equipment unless this is done under the supervision or in accordance with the instructions for use of the equipment, handed over by persons responsible for their safety. You should pay attention to the children, to ensure they do not play with the appliance.
- b) The ground on which the appliance stands should be dry!
- c) Before working with the device, make sure that the "emergency stop" button is not pressed (you must turn it so in order to button jumped out – it clicks).
- d) Pressing the "emergency stop" button enables immediate stopping the machine for honey creaming operation/ work.
- e) Cover of the machine for honey creaming when working agitator should be closed!
- f) Do not rearrange of the machine for honey creaming

- during operation.
- g) You must protect the engine and control against moisture; (also during storage)
 - h) Do not use the device in the vicinity of flammable materials.
 - i) Do not carry out any maintenance work when the appliance is operating.
 - j) All guards when the appliance is operating must be permanently attached to the device.
 - k) In the event of any hazard, you should immediately use the safety switch. Restart the machine for honey creaming may occur after the elimination of the hazard.
 - l) These devices are not designed for use outdoors, may be operated only within the premises.



Ban on repairing the device which is in motion



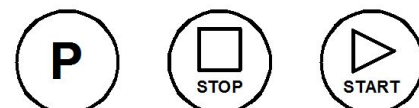
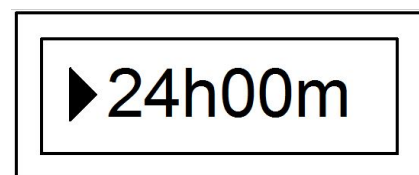
Ban on removing guards when operating the device

2.CONTROLLER OF MACHINE FOR HONEY CREAMING OF THE C – 01 SERIES – POWER SUPPLY 400V



Fig 1. Creaming machine controller handling panel

Once power supply is connected, the controller performs self-diagnostics to acknowledge the correct device operation. Error detection is signalled by the relevant code being displayed on the LCD screen.



If errors have not been detected, the screen display will look like in **Fig. 2**.

Fig. 2. Depending on the previous set-ups, the screen will display previously preset creaming machine operating time.

The controller possesses several programmes, which allows to select precisely the total creaming time ranging from 24 hours to 99 hours as well as 1 hour in special cycle. Controller handling boils down to the selection of a programme (by pressing the "P" button and subsequent activation of selected programme cycle by pressing the **START** button. In order to select a proper operating time for the creaming machine, "P" button shall be pressed, as in **Fig. 3.** **24h, 36h, 48h, 60h, 72h, 84h, 96h, 99h.**

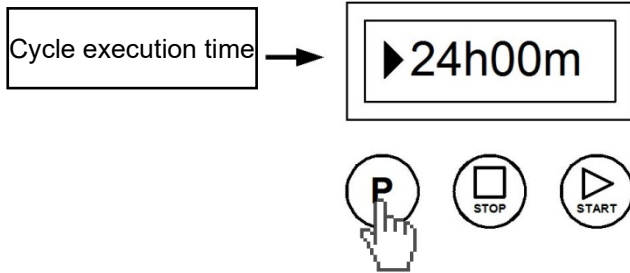


Fig. 3. Selection of programme.

In order to activate the creaming machine stirrer operation, press **START** button, as in **Fig. 4**

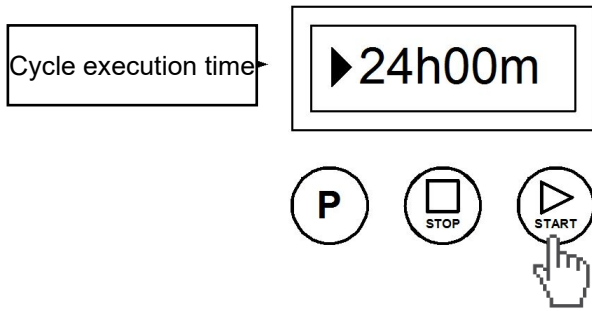


Fig. 4. Programme activation

The screen of the controller working with activated creaming cycle specifies the time that has passed since the cycle activation. (**Fig. 5**). Additional icon informs about the stirrer activation mode. (no icon – stirrer stoppage, visible icon – stirrer rotates)

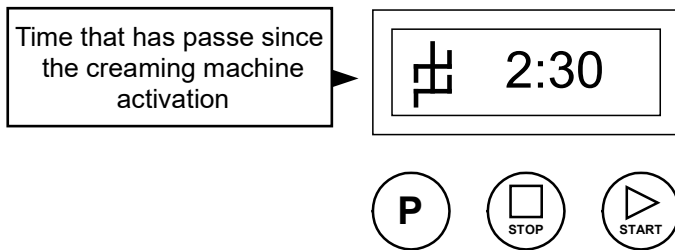


Fig 5. Activated creaming cycle

STOP button allows to deactivate the programme performed (**Fig.6**). Re-activated programme will operate from the beginning, i.e. operating throughout the entire time specified. Proper termination of the creaming cycle is signalled by an inscription **OK** (**Fig .7**) showed in the display screen.

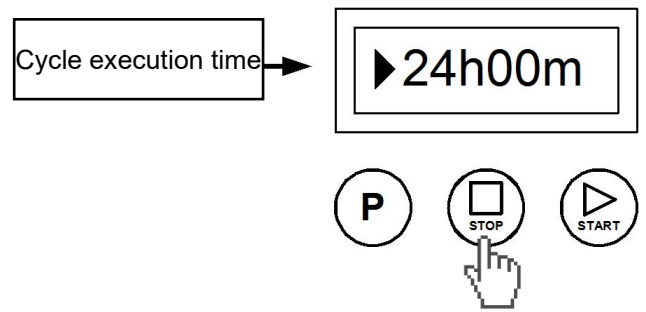


Fig. 6. Stopping the creaming process.

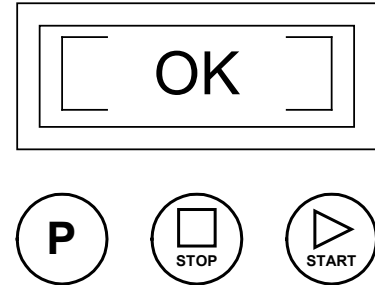


Fig 7. Terminated creaming cycle

4.1.2. SETTING UP THE "STIRRING CYCLE"

The "Stirring Cycle" allows to configure the controller from constant stirrer operation for one hour.

Activation of the cycle is possible only in the creaming machines equipped with heating system (i.e. on the de-crystallizer) !!!

In order to activate the Stirring Cycle, during the controller start-up ("ŁYSOŃ-C01" note shall appear), one should press and hold **STOP** button and **P** button at the same time.

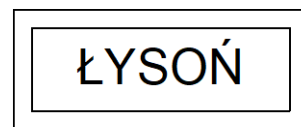
Having entered the menu on the display screen, a message informing on the active programming mode ("Prog") is displayed and when both buttons are released the current configuration of the "Stirring Cycle" is showed.

Changing the "Stirring Cycle" configuration is possible by pressing the "P" button.

Configuration **1h=on** means that 1h programme will be on. Respectively, configuration **1h=off** means that creaming function under 1 h cycle will be off.

Leaving the "Cycle programming" is possible by pressing **STOP** button.

P = 1h (Constant stirring cycle),



Hand icon + Hand icon → **Prog.**

Hand icon → **1h=on/off**

Hand icon → **WYJŚCIE**

Fig 9. Controller's "Stirring Cycle"

Once the creaming machine cover has been opened, security lock mounted on the creaming device cover shall stop the creaming cycle (stoppage state, if such one was active). STOP message will appear on the display screen and time counting will stop. Cover reclosing means the return to the state in which the controller was before the safety cover had been opened, i.e. continuation of the cycle stopped.

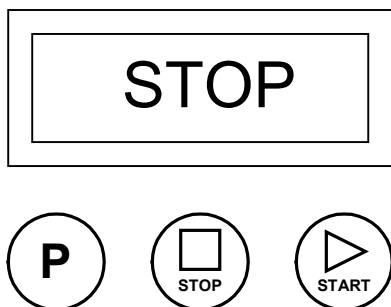


Fig 8. Message regarding the creaming machine stoppage.

Error codes

| Failure code | Failure description |
|--------------|--|
| E-001 | INTERNAL FAULT OF THE MICROPROCESSOR CONTROLLER |
| E-002 | PRESSED/BLOCKED "START" BUTTON |
| E-003 | PRESSED/BLOCKED "P" BUTTON |
| E-004 | PRESSED/BLOCKED "STOP" BUTTON |
| E-005 | WARNING MESSAGE – MEMORY FORMATTING HAS BEEN PERFORMED |

3. Storage of machine for honey creaming

After the completion of the work, the device must be thoroughly cleaned and dried.

Before starting the device, in the case when it has been moved from the room with the lower temperature to spaces of higher temperature, you should wait until it reaches the ambient temperature. Store in dry rooms at a temperature above 0° C.

Before each new season, one should make an additional technical review, and in the event of fault detection, please contact the service centre.

4. Maintenance and cleaning



IMPORTANT!

Before starting maintenance, please pull the mains plug.

Before first use of the machine for honey creaming, the device must be thoroughly cleaned and dried.

In order to accurately wash, we recommend removal of the beam together with control, engine, gear/transmission and a stirrer.

Unscrew the screws fixing the beam to the tank and pull off mechanism.

The machine for honey creaming wash with hot water with the addition of preparations authorised to contact with equipment used in the food industry.

We wash a device with a soft flannel fabric, bearing in mind the protection of electronic components.

After washing, we flush thoroughly with pure water and dry.

After the completion of the process of a honey creaming, one should wash and dry machine.

The machine for honey creaming should be stored in a dry place.

Do not maintain any parts of the device (machine) with chemical agents.

5. Disposal

The worn out product shall be subject to disposal as waste only in the selective collection of waste organised by Network of Municipal Collection Points for Waste Electrical and Electronic Equipment. The consumer shall have the right to return used equipment in the electrical equipment distributor network, at least, free of charge and directly if a device that is returned is the proper kind and provides the same functionality as the newly purchased equipment.

6. Warranty

Products purchased in the "Łysoń" company are covered by manufacturer's warranty.

The warranty period is 24 months.

On purchased products shall be issued a receipt or VAT invoice.

Warranty details are available on the website - www.lyson.com.pl