

“Original instructions”

# Multipurpose Warmer HDCP(m)



**INSTALLATION, USE AND MAINTENANCE INSTRUCTIONS**

# Warnings

**All specifications of this handbook are not binding and the manufacturer could change them without notice; the manufacturer declines any liability for possible misprints.**

**Please read the instruction carefully before using!!!**

**Warning: FORBIDDEN to make any changes into construction of product!**

For orders, feedbacks, questions:  
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## **1. Safety instructions.**

The «Warmer» operates from a three-wire electrical network with a voltage of 230 V+5% -10% AC with a frequency of 50 Hz., with the presence of a ground wire.


The «Warmer» is protected against electric shock of Class I according to EN 60335-1:2012+A11:2014+AC:2014.

All service and repair works, must do by persons which has permission for repairing of electric equipment and only after switching off the «Warmer» from the electrical network.

It is only possible to disconnect the wires from the terminal block after all the heating elements have been switched off, and after the circuit breaker, through which the «Warmer» is connected to the mains, is disconnected.


To work with «Warmer» allowed the persons who have passed the technical minimum according to the rules of operation and maintenance of the equipment.

During work with "Warmer", following safety rules must be observed:

- Do not plug in the display in a power outlet without a grounding contact;
- Check the reliability of the connection to the potential equalization system; The clamp for connecting the equipotential wire is marked with a sign ;
- Repairing and cleaning should be carried out only after disconnection from the mains.
- In case of damage to the power cord, the replacement, in order to avoid danger, must be carried out by the manufacturer, the customer service or similar qualified personnel;
- Warning the appliance shall be disconnected from its power source during service and when replacing parts and, if that the removal of the plug is foreseen, it shall be clearly indicated that the removal of the plug has to be such that an operator can check from any of the points to which he has access that the plug remains removed.

If this is not possible, due to the construction of the appliance or its installation, a disconnection

with a locking system in the isolated position shall be provided.

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- The sign on the panel giving access to live parts means "dangerous voltage"  If a fault is found, call a service technician;
- Switch on the display only after troubleshooting;
- **Do not clean the display by water jet.**

## **2. Purpose of the product.**

The purpose of Multipurpose Warmer (further in the text «Warmer») is the short-term keeping in hot condition of different food products and the ready meals. And demonstration them to the customers before selling.

### 3. Technical specifications.

<b>Name</b>	<b>Data</b>
Nominal electrical voltage, V	230
Nominal electrical power, kW	1,8
Amount of heating elements	1
Work temperature, °C	+30...+90
External dimensions (w×d×h), mm	475×475×810
Weight, kg.	32

### 4. General information about product.

The «Warmer» produced from high quality stainless steel and glass. Tube heating element located in bottom part of «Warmer», under perforated panel. Internal volume illuminated by LED lamp. On perforated panel settled removable tray for water (for humidification of internal air), fills manual. In the bottom part of «Warmer» located tray for crumbs.

Inside the display cases installed shaft on which are mounted shelves for selling products. The shaft turns around its own axis. When door

is opened turnings are stopped.

The temperature inside the «Warmer» adjustable by thermostat.

Access to electronic circuits elements is limited by removable panels. The control panel is included: power switch and adjustment knob of thermostat.

## **5. Preparation and procedure of work**

Installation and connection of the product is carried out only by specialists of the service center.

After checking the condition of the package - remove it, conduct an external inspection of the product, check the completeness. Remove the protective film from the metal parts of the display case. Place the display on a flat, level surface.

Install the power outlet with a grounding contact and connect it to the AC mains.

Ground the display case by connecting it to the mains with a power cord that has a core that is connected to the terminal earth terminal of the display case and to the ground terminal of the

plug.

The order of the display case.

The display is switched on in the following sequence:

Turn on the display with the power switch 30 minutes before the start;

Turn the thermostat knob clockwise and set to the desired temperature;

After reaching the temperature inside the display window to the specified value, put the products for demonstration and realization.

At the end of work, disconnect the display from the mains and after a pause necessary for cooling internal surfaces, sanitize. Washing and cleaning the surfaces of the display case is done with a damp cloth with the use of liquid detergents. Do not use abrasive detergents!

**ATTENTION! Do not clean the display by water jet!**

## **6. Maintenance**

Maintenance and repair are performed by electromechanics of 3-5 grades, having a qualification group for electrical safety of not



less than the third.

Once a month, it is necessary to check the reliability of the earthing clamp connections and Earthing wires; Tighten the contact joints of current-carrying parts; Check the operation of the light-signal lamps, if necessary replace them; Pull up the fastening of the heating elements, the temperature regulator, tighten the other fastening connections of the product.

Maintenance and repair of the product is carried out according to the following structure of the repair cycle: every 5 "TM" do 1 "TR".

Where: TM - technical maintenance is carried out once a month;

TR - technical repair, is carried out once in 6 months.

During maintenance, the following work is necessary:

- Identify product failures by interviewing service personnel;
- Tighten, if necessary, fastening of the motor-reducer, fan, signal and commuting armature, facing;

– Check and, if necessary, tighten and clean contact joints of current-carrying parts.

Before carrying out the above operations, it is necessary to disconnect the equipment from the mains by switching off the circuit breaker of the workshop panel. On the handle of the switching equipment, you need to hang the poster "Dangerous!!! Do not switch on, people are working!".

Contact connections must be tight and ensure the reliability of electrical contact in a variable temperature environment.

## Possible causes of malfunctions and methods for their troubleshooting.

Typical malfunctions	Possible causes	Troubleshooting methods
1. When the power switch is turned on, but the backlight does not light up, and the heaters do not heat up.	There is no mains voltage.	Apply mains voltage.
2. The lighting of the storefront does not turn on.	The LED burnt out.	Replace the LED.

## 7. Warranty

Warranty period of the product is 12 months from the date of commissioning.

The warranty storage period is 6 months from

the date of manufacture.

During the warranty period, the manufacturer guarantees free removal of identified defects, replacement of failed component parts of the product. This rule does not apply to those cases when the product has failed due to the fault of the consumer as a result of non-compliance with the requirements of this operating manual.

### **8. Contents of delivery**

Multipurpose Warmer HDCP(m) .....1 pc.

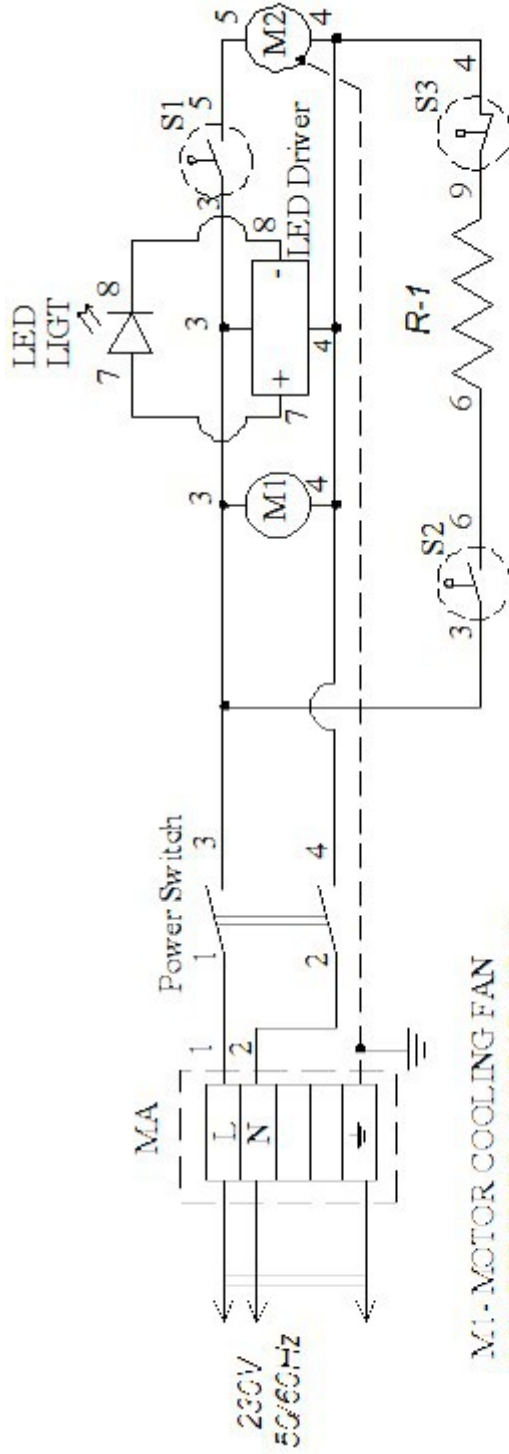
Instalation,use and maintenance instructions..1pc

### **9. Certificate of acceptance and sale**

Multipurpose Warmer HDCP(m) serial # \_\_\_\_\_

Correspond to technical task and accepted of ready to operation.

Production date \_\_\_\_\_ 201 Г.



- M1- MOTOR COOLING FAN
- M2- REDUCING MOTOR-GEAR
- S1- SWITCH OF DOOR
- S2-A RELAY IS A REGULATOR OF TEMPERATURE
- S3-PROTECTIVE THERMOSTAT
- R1- RESISTANCE
- MA- POWER TERMINAL

HDCP(m)  
 WRNING DIAGRAMS



## Multipurpose Warmer

Model: HDCP(m)

Serial number:

Date of production:

Voltage: 230 V.

Heating power: 1.8 kW.

Weight: 32 kg.

Protection: IP 23

### Data on the equipment installed

Date of installation:

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End of warranty:

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Seller data:

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## **INSTALATION PROTOCOL**



### **Multipurpose Warmer**

**Model: HDCP(m)**

**Serial number:**

**Date of production:**

**Voltage: 230 V**

**Heating power: 1.8 kW**

**Weight: 32 kg**

**Protection: IP 23**

**Address of installation:**

ORGANIZATION:	
STREET:	
ZIP CODE+TOWN:	
PHONE:	
E-MAIL:	
CONTACT PERSON:	
INSTALATION DONE BY:	
DATE OF INSTALLATION:	END OF WARRANTY:

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