



# HOT OR COLD SALADBAR (ELECTRICAL) USER'S MANUAL

OSBEC.01 (COLD)  
OSBEH.01 (HOT)



OSBEC.02 (COLD)  
OSBEH.02 (HOT)



16894 (COLD)  
15894 (HOT)



CE

MANUFACTURER : ÖZTİRYAKİLER MADENİ EŞYA SAN. VE TİC A.Ş.  
Cumhuriyet Mahallesi Hadımköy Yolu Cad. 1 Nolu Bağımsız Bölüm No :8 Büyükçekmece İstanbul /  
TURKEY Phone : 0090 212 886 78 00 (8 Hat-Lines) Fax : 0090 212 886 66 29

Our website: [www.oztiryakiler.com](http://www.oztiryakiler.com)

e-mail: [export@oztiryakiler.com.tr](mailto:export@oztiryakiler.com.tr)

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## **CAUTION**






This device should only be used in facilities where relevant standards, laws and safety requirements are complied with

# INTRODUCTION

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Dear User,

Thank you for purchasing our device and for your reliance upon our company. Our devices have been used within our customers kitchen, your kitchen in 75 countries. Our devices are produced in compliance with international standards. **Important notice: Please read or ensure that the users read this user's manual in order to achieve the desired performance in line with your expectations and to use your device for long years. Please take the warnings mentioned above into consideration before calling for service...**

-  Please read and ensure that your operation personnel also reads this user's manual carefully before installing and using the device. If the device is operated without reading the user's manual, the device will not be covered by the guarantee.
-  The manual containing information about installation, usage and maintenance of our product you purchased should be read carefully. Please ensure that power supply connections to the device are already installed by qualified personnel according to local legislation, before our authorized service personnel arrives for the installation of the device.
-  If you are confused or you don't have enough information please get in touch with authorized service by phone.
-  Please keep in mind that, if the service personnel is delayed at your site, related expenses and delay costs will be charged to you on hourly basis.
-  We hope that you will get the best performance from our product...



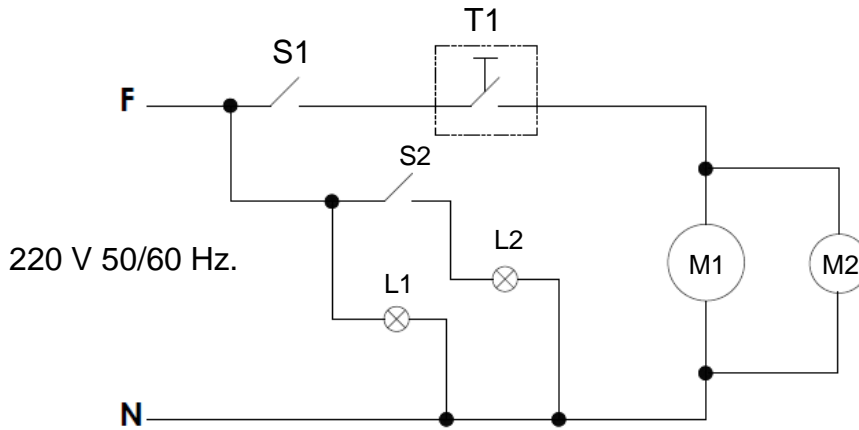
# TECHNICAL DATA

COLD UNITS	OSBEC.01	OSBEC.02	16894
MAIN DIMENSIONS (mm)	1490x780x1530	1490x780x1530	1565x720x1440
TOTAL ELECTRICAL INPUT (kW)	0,25	0,40	0,25
POWER SUPPLY VOLTAGE (V)	220-240	220-240	220-240
WORKING FREQUENCY (Hz)	50/60	50/60	50/60
THERMOSTAT (°C)	+4	+4	+4
REFRIGERANT	R134A	R134A	R134A
SUPPLY CABLE	3x1,5 mm <sup>2</sup> -WITH SUPPLY CABLE	3x1,5 mm <sup>2</sup> -WITH SUPPLY CABLE	3x1,5 mm <sup>2</sup> -WITH SUPPLY CABLE
PROTECTION CLASS	IP 21	IP 21	IP 21
CLASS	1	1	1

HOT UNITS	OSBEH.01	OSBEH.02	15894
MAIN DIMENSIONS (mm)	1490x780x1530	1490x780x1530	1565x720x1440
TOTAL ELECTRICAL INPUT (kW)	2	2	2
POWER SUPPLY VOLTAGE (V)	220-240	220-240	220-240
WORKING FREQUENCY (Hz)	50/60	50/60	50/60
THERMOSTAT (°C)	+70/+80	+40/+45	+70/+80
REFRIGERANT	3x1,5 mm <sup>2</sup> -WITH SUPPLY CABLE	3x1,5 mm <sup>2</sup> -WITH SUPPLY CABLE	3x1,5 mm <sup>2</sup> -WITH SUPPLY CABLE
SUPPLY CABLE	IP 21	IP 21	IP 21
PROTECTION CLASS	1	1	1

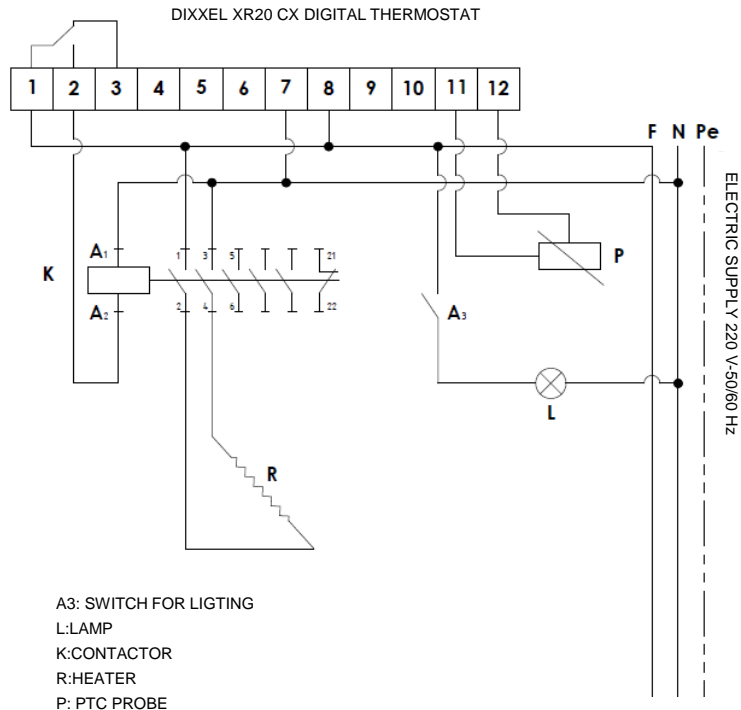
# ELECTRICAL CIRCUIT DIAGRAM

## ELECTRIC WIRING DIAGRAM FOR COLD UNITS



- S1: ON/OFF SWITCH
- T1: THERMOSTAT
- S2: SWITCH FOR SIGNAL LAMP
- L1: ELECTRICITY WARNING SIGNAL LAMP
- L2: LIGHTING SIGNAL LAMP
- M1: COMPRESSOR
- M2: FAN MOTOR

## ELECTRIC WIRING DIAGRAM FOR HOT UNITS



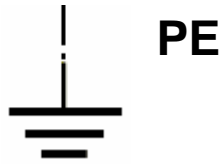
- A3: SWITCH FOR LIGHTING
- L: LAMP
- K: CONTACTOR
- R: HEATER
- P: PTC PROBE

# WARNING SIGNS

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**POWER NETWORK GROUNDING**



**GROUNDING**



**POWER**


**SUPPLY CONNECTION : MONOPHASE  
VOLTAGE 220 V - 240 V  
GROUNDED  
FREQUENCY : 50/60 Hz**

## **DETAILS ABOUT THE SECURITY**


- 1-The tension used by the device is 220 V $\pm$ 10% NPE~/ 50 Hz. Do not use a power supply different from this one.
- 2-When there would be an electrical cut during the working, please put the button of opening on the position off then take out the plug from the socket.
- 3-Do not contact the device with water.
- 4-In case of failure at the supply power cable, it can be replaced by competent technical staff or by a special cable given by the producer or the service agency.
- 5-To cut the device from the supply system, a cutting device having at least 3 mm contact distance from all its poles must be used.
- 6-Please keep it away from fire danger, flames and high heat.
- 7-The thermostat settings of the device are set by the factory and you may not get the efficiency from your device if these settings are changed.

# SAFETY DETAILS


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 Never leave the device under direct sunlight. It should be located **at least 40 cm.** away from heat sources like ovens, radiators and heaters.





 Use can use this device simultaneously together with other products of ours.




 Do not clean up the device with pressure water.




 This device should be installed in line with effective regulations and only be operated in well ventilated places. Please refer to the instructions before installing and operating the device.

 This device is designed for industrial use and should only be operated by personnel trained on the device.



 The device should not be handled by anyone else except for the manufacturer or authorized service.



 In case of fire or flame in the area where the device is operated, act without panic, close gas valves (if any), turn off power switches and use a fire extinguisher. Never use water to extinguish the fire.



# CONTROL BOARDS

## Cold Units

OSBEC



TEMPERATURE ADJUSTMENT

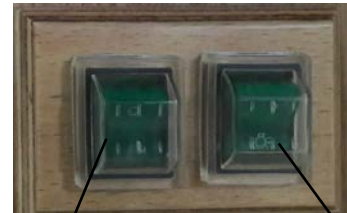


A- COOLING ON / OFF SWITCH  
B- ELECTRICAL CONNECTED (WARNING) SIGNAL LAMPS  
C- LAMP ON / OFF SWITCH

16894



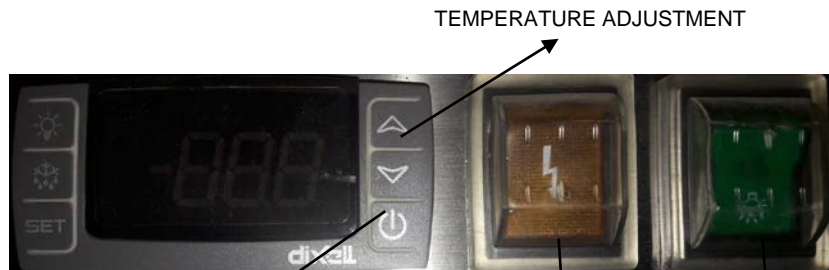
TEMPERATURE ADJUSTMENT



A- COOLING ON / OFF SWITCH  
C- LAMP ON / OFF SWITCH

## Hot Units

15894



TEMPERATURE ADJUSTMENT

A- ON/OFF SWITCH

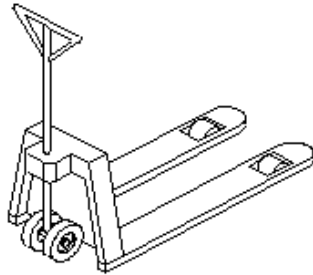
B- ELECTRICAL CONNECTED (WARNING) SIGNAL LAMPS

C- LAMP ON / OFF SWITCH



# TRANSPORTING AND MOVING

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**CHANGING THE LOCATION;  
Machines installed by an authorized service CANNOT BE MOVED  
ELSEWHERE, ITS POWER SUPPLY CABLES CANNOT BE EXTENDED OR  
REPLACED except by an authorized service.**

The vehicle should be delivered as a standard in wooden cases, reinforced by EPS block, wrapped with stretch film and air bubble protective packing, and wrapped over again with a second layer of stretch film

The vehicle can be moved with supplementary vehicles like forklift.

Feet of the forklift should be placed under the device.

If the transported distance is far, the machine should be moved slowly and the device should be fixed on palette or supported in order to prevent jolt.

Do not hit or drop the device when moving.

# INSTALLATION OF THE DEVICE



All of the items mentioned below in connection with the installation of the device should be carried out by authorized service personnel.

Remove stretch film on the device before installing the device.

Device feet should be adjustable and the device should be ensured to operate in a leveled position. No space should be left in-between, avoid vibration.

After the transported device is delivered wait for 6 hours before operating the device; in order to allow enough time for the compressor oil that has flown into the system of the device during the transportation, to drain back.

After sudden power shortages or during unplugging and re-plugging the device, protective thermal switch of the compressor turns off, because the pressure of cooling system gas is not uniform. After 4-5 minutes the device will continue to operate normally.

Power supply connection of the device should be checked by an eligible electrician, and it should be connected to a fuse at a maximum height of 170 cm.

Power supply connection should be made using a 30 mA current leakage fuse as a protection against current leakage danger.

Power installation of the plugs to be used should be grounded by connecting it to a grounding bar at the nearest panel.

## EASY MOUNTING

### ATTENTION:

**Do switch on to the hot buffet units before mounting is finished by customers.**

- to open the packing and to check necessary equipments for Easy Mounting.

It should be four stainless steel rods. One of the stainless steel rods special design for electrical cable. to follow the procedure as shows in the pictures;



Pic 1



Pic 2

# OPERATION OF THE DEVICE (1)

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Salatbar is used to keep food such as salads, appetizers hot or cold in tourist facilities, restaurants, fast food, hotels.

**NOTE: Do not use except purpose of use. The device should be operated by qualified personnel knowing safety terms and technical specifications and who has read the instruction manual.**

## **COLD / HOT DEVICE USE:**

1-Wipe first with a damp cloth and dry immediately.


2-In order to operate the device, first insert the fuse prize, the 'ELECTRICAL SIGNAL SIGNAL LAMP' (B) will start to be turned on by operating the 'COOL OPEN / CLOSE SWITCH' (A) and 'LAMP ON / OFF SWITCH' (C) .

3-Since the thermostat is set, the thermostat is adjusted for the seasonal change.

4-The switch (A) on / off switch and the lamp switch (C) must be switched off immediately to close the appliance. If power is restored, it should be turned on again after waiting for about 1 minute.

5-Cold Device It is recommended to operate at + 2°C to + 7°C and at maximum humidity of 70%.

6-It is recommended to operate in a temperature range of + 70°C - + 80°C with a hot device pool, + 40°C - + 45°C on a flat surface and at maximum humidity conditions of 70% humidity.

 It is recommended to operate the device between temperatures of +5°C and +32.2°C, and in ambient humidity of maximum 65%.



**CAUTION !**  
**NEVER OPERATE YOUR DEVICE**  
**WITHOUT GROUND CONNECTION.**

# OPERATION OF THE DEVICE (2)

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**CAUTION!** : The device should be installed and operated as described in this user's manual. If any failure is encountered please contact our nearest authorized service dealer.

WHEN THE DEVICE HAS A FAILURE ONLY AUTHORIZED  
..... SERVICE DEALERS ARE ALLOWED TO HANDLE  
THE DEVICE. IF ANY PERSON OTHER THAN ONLY AUTHORIZED  
SERVICE DEALERS HANDLE THE DEVICE, **IT WILL NOT BE  
COVERED BY THE GUARANTEE.**

NEVER ALLOW PEOPLE WHO ARE NOT AUTHORIZED TO  
HANDLE THE DEVICE. OTHERWISE PRODUCER COMPANY WILL  
NOT BE RESPONSIBLE FOR THE CONSEQUENCES. DURING  
MAINTENANCE SERVICE OUR AUTHORIZED SERVICE DEALERS  
SHOULD NOT BE PROPOSED TO USE NON-ORIGINAL SPARE  
PARTS FOR WHATSOEVER. INSTALLING ANY NON-ORIGINAL  
SPARE PART TO THE DEVICE LEAVES THE DEVICE **OUT OF  
GUARANTEE COVERAGE.**



# CLEAN-UP AND MAINTENANCE (1)

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## **This must be performed by the consumer:**

Before the first and after each use of saladbar and whole outside surface has to be cleaned with a humid and then with a dry soft duster. While cleaning, products like hydrochloric acid or abrasive cleaning liquids must not be used

One time in every 15 days, the aluminium stripes found at the outside of the condenser will be cleaned from downwards after opening a shutter cover of the saladbar. If they are not cleaned, the dust accumulated on the stripes will avoid the condenser to cool and then forced the compressor to work more and finally cause failures.

## **INFORMATION ABOUT USE FAULTS**

### **THE POSSIBLE FAILURE AND THEIR EXTERMINATION :**

The device must absolutely be used between  $220\text{ V}\pm 10\%$ . The voltage outside these limits can cause failures to compressor and other equipment. As the device can be damaged by the undulation of the electricity, a regulator must be used to avoid these undulations.

The front of the shutters found in the motor part of the device must be so as to be well ventilated. Otherwise, it will work more and then the compressor can be damaged.

One time in every 15 days, the aluminium stripes found at the outside of the condenser will be cleaned from downwards by means of a brush after opening a shutter cover. If they are not cleaned, the dust accumulated on the stripes will avoid the condenser to cool and then forced the compressor to work more and finally cause failures.

The thermostat must be adjusted at the best position to obtain the best cooling situation.

### **THE LIFE OF THE SALADBAR**

Provided that the saladbar will be used in proper suggested conditions, the life of the saladbar is 10 years.

# TERMS OF GUARANTEE

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- 1-** Documents without sales date, factory and sales company approval on, are not valid. In order to benefit from the guarantee, guarantee document should be presented.
- 2-** If the device is installed and operated following the instructions in the installation, maintenance and user's manual, it is warranted for failures resulting from failures resulting from workmanship and material failures.
- 3-** The failures within the scope of guarantee, how and where these will be eliminated, and the way and place of maintenance is determined by .....
- 4-** The guarantee is only valid provided that the guarantee terms and the instructions in the installation, maintenance and user's manual are fully complied with. The guarantee is only valid for the warranted device, and no other right or compensation for some other thing may be claimed.
- 5-** If the information about the kind and the type of the device, serial numbers printed on the guarantee document are scraped, rubbed or changed, then the guarantee is not valid.
- 6-** The guarantee covers only maintenance and repairing of material or workmanship failure within the valid guarantee period. Failures and parts within the scope of the guarantee are repaired and replaced without any charge. Replaced parts belong to .....
- 7-** The failures occurring in the device may only be handled by service personnel authorized by ..... If people who are not authorized handle the device, it will not be covered by the guarantee.
- 8-** Installation should be carried out by authorized service personnel and the service should be informed about the location change of the device.
- 9-** When any failure occurs during operation, authorized service dealer should be contacted.
- 10-** Guarantee does not cover failures and damages resulting from loading, unloading and shipping, which are outside the responsibility of ..... Similarly, failures and damages resulting from external factors are not covered.