

OPERATING INSTRUCTIONS



FOR
REFRIGERATION APPLIANCES
OF THE MODELS

KDO

TEMPERATURE CONTROLLER DIXELL XR77CX

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General Notes

This manual is used for the correct installation, setting and maintenance of the appliances and, therefore, you should - without fail - ensure that

- the following notes are carefully read through because they give important instructions on safety for the installation, the usage and the maintenance.
- this manual is kept in a safe place and is made available to the operator for reference purposes.
- the appliance is installed, tested and maintained only by specialists who possess the legal requirements.

The manufacturer does not accept any responsibility in the event of electrical and/or mechanical alterations. The guarantee becomes null and void if improper interventions have been carried out and/or if the instructions of this manual are not followed.

Observe the local safety regulations which apply for the installation.

Before connecting the appliance, ensure that the electricity mains corresponds to the data of the identification plate.

The packaging materials represent a possible source of danger and should, therefore, be kept out of the reach of children and disposed of in accordance with the applicable local regulations.

The appliance has been designed and manufactured for the conservation of foodstuffs or beverages and should, therefore, only be used for the purpose for which it was made. The maker denies any responsibility in the event of improper use.

In the case of faults or malfunctioning, you have to switch the appliance off and to contact qualified specialists.

If repairs are required, refer exclusively to qualified specialists and demand the use of original spare parts.

FAILURE TO COMPLY WITH THE GENERAL NOTES CAN IMPAIR THE OPERATION OF THE APPLIANCE.



Installation note for refrigeration appliances with **external refrigerating unit**: When installing a centrally cooled appliance, **a filter must be installed** in the fluid line otherwise no guarantee is possible on failure of the appliance.




If repairs or a service is required the appliance is only to be opened **by qualified electrical specialists** in a not energized state (the appliance must be separated from the electricity mains in an all-pole way). The electrical safety regulations according to EN 50110-1, operation of electrical installations, have to be followed.



The refrigeration unit, especially a connector-ready one with an aggregate, **must not be tilted/turned** (not even before installation).

Commissioning

Electrical Mains Supply

 The installation and the **function check** of the appliance must be carried out by a **qualified specialist** in compliance with the following instructions.

In case of new plants or considerable alterations the electrical plant/system has to be erected in accordance with the state-of-the-art.

Before connecting the appliance, ensure that the data of the rating plate correspond to those of the electricity mains and that the precautionary measures according to **ÖVE/ÖNORM E 8001** or the local **electrical security measures** are obeyed. The rated power of the appliance must be considered as well.


The effective value of the **alternating voltage** between the phase (L) and the neutral conductor (N) must not be exceeded or fallen below

230 V ± 10%.


The **mains frequency** must not be exceeded or fallen below


50HZ.


A **residual current device Type A (sensitive to pulsating current)** has to be used as fault or complementary protection.

 Diverse adapters, multiple socket outlets and/or extension cables must not be used for the mains supply.

Earth Termination System and Equipotential Bonding

 The electrical safety of this appliance is guaranteed only if it is connected with **low-impedance** to an efficient **earthing system** in conformity with the applicable **electrical safety regulations**.

 The appliance has to be integrated in an equipotential bonding system according to **ÖVE/ÖNORM E 8001** or the **local electrical safety regulations**.

 Without the manufacturer's approval it is **forbidden to add or install further electrical components on the appliance** afterwards.

The manufacturer denies any responsibility for any damage which may be caused by an improper mains supply, additional installed components, lacking protective earth connections, a lacking equipotential bonding as well as a lacking earth termination system.

General Checks

Ensure that

- the appliance has been positioned horizontally (if necessary, operate the moving part of the adjustable feet in order to obtain perfect alignment).
- the protective plastic covering has been removed from the external surfaces.
- the inside has been cleaned with lukewarm water and neutral soap.
- the appliance has not been placed immediately next to a source of heat.
- the free circulation of air in the region of the motor is guaranteed.
- the plug has been inserted into the power socket properly.

Commissioning – Checks – Operating Regulations

After the above-mentioned instructions have been carried out carefully, the appliance can be put into operation:

To do this, press the right-hand button of the controller (the internal temperature appears in the display field). In order to guarantee good functioning of the refrigeration appliance, the following has to be observed **absolutely**:

- BRING THE APPLIANCE INTO OPERATING CONDITIONS BEFORE PUTTING IN ANY FOODSTUFFS OR BEVERAGES!
- WARNING: VAPOURS FROM VINEGAR CAN CAUSE SEVERE CORROSION DAMAGE TO THE COOLING SYSTEM!
- KEEP SALADS AND PICKLES ONLY IN SEALED CONTAINERS IN THE REFRIGERATION APPLIANCE!
- WHERE POSSIBLE, STORE MEAT PRODUCTS, MILK AND MILK PRODUCTS IN AIRTIGHT PACKAGING!
- DO NOT PUT IN ANY WARM OR STEAMING FOOD. PACKAGE STRONG-SMELLING FOODS!
- DO NOT PUT IN ANY PACKAGING OR ANY ARTICLES TO BE COOLED WHICH ARE LARGER THAN THE USABLE SURFACE OF THE RACKS, SO THAT THE AIR CIRCULATION IS NOT IMPAIRED!
- DO NOT LEAVE DOORS AND DRAWERS OPEN LONGER THAN NECESSARY!
- PEOPLE (INCLUDING CHILDREN) WHO ARE NOT CAPABLE OF OPERATING THE APPLIANCE SAFELY BECAUSE OF THEIR INEXPERIENCE/ IGNORANCE OR THEIR MOTORIC, SENSORY OR MENTAL DIFFICULTIES MUST NOT OPERATE THE APPLIANCE WITHOUT THE SUPERVISION OF THE PERSON RESPONSIBLE.

IF THESE ARE NOT OBSERVED, NO GUARANTEED SERVICES WILL BE PROVIDED!

Temperature Controller

XR77CX - FW V.2.6 -



All control and monitoring functions required for the operation of the device are installed in the temperature controller:

SET

Display or change the SET temperature.
Confirm a newly entered value.



(DEF)

Initiate a manual defrost.



(AUF)

Increase a value to be entered.
Display the highest refrigerator temperature reached.



(AB)

Lower a value to be entered.
Display the lowest interior temperature reached.



(OFF)

Switch the whole control system on and off.
When switched off, the display shows "OFF".



This button is deactivated, the light inside the refrigerator is switched on and off by opening and closing the shutters.



Lock or unlock the keyboard.

Display

- The ACTUAL temperature inside the coldroom is visible in the display panel during operation.
- The SET temperature appears when the "SET" key is pressed.

Temperature range

- Adjustable from 2 °C to 18 °C

Display SET temperature

1. Press the "SET" button once.
2. The SET temperature is displayed.
3. Press the "SET" button again or wait five seconds to exit this display.

Change SET temperature

1. Press and hold the "SET" key for more than 2 seconds.
2. The SET temperature is displayed and the Celsius LED flashes.
3. Enter the new SET temperature with the arrow keys.
4. Press the "SET" button to confirm.

Initiating defrost manually

1. Hold down the "DEF" key.
2. Defrosting starts and the corresponding LED (❄) lights up.





Lock keyboard

1. Keep both arrow keys pressed simultaneously until "POF" is displayed.
2. The keyboard is locked, therefore no adjustment is possible.
3. Only the SET temperature and the highest or lowest temperatures can be displayed.
4. "POF" is displayed when locked functions are called up.

Unlock keyboard

1. Keep both arrow keys pressed simultaneously until "POn" is displayed.
2. The keyboard is unlocked, use is possible without restriction.

LED symbols

LED	Mode	Function
	On	Cooling active
	Off	Cooling inactive
	On	Defrost on
	Off	Defrost off
	Flashing	Draining phase
	On	Evaporator fan on
	Off	Evaporator fan off
	On	At least one alarm is present
	Off	No alarm is present
AUX	On	At least one contact switch of the drawers is interrupted, the light is on
	Off	The contact switches of the two drawers are closed, the light is off
°C	On	Unit of measurement in Celsius of the temperature display
	Flashing	SET temperature can be changed

Cleaning & Care

This section **concerns the end-user** and is of importance for the long-term and prescribed operation of the appliance.

Careful and regular carrying out of some procedures prevents possible faults and the technical service of the specialist personnel. The measures which have to be carried out do not presuppose any special technical knowledge.

It concerns simple checks of the appliance components.



SWITCH OFF THE POWER SUPPLY OF THE APPLIANCE BEFORE CARRYING OUT MAINTENANCE OR CLEANING!



DO NOT CLEAN THE APPLIANCE WITH DIRECT HIGH PRESSURE WATER JETS. NEVER AIM WATER JETS AT THE ELECTRICAL PARTS!

Weekly Cleaning

- Check the state of cleanliness of the main parts and clean them if necessary.
- Clean containers, drawers etc. with diluted washing agents as well as doors and cover seals with gentle soapy water. Then dry.
- DO NOT use aggressive detergent!
- Wipe damp and dry well.

Monthly Cleaning

- Switch off the appliance!
- Adequate incoming and outgoing ventilation is absolutely essential for the appliance!
- Remove impurities in the area of the plinth grille!
- Defrost the refrigeration appliance. Clean the inside.
- Switch on the appliance.

IF THESE ARE NOT OBSERVED, NO GUARANTEED SERVICES WILL BE PROVIDED!



THE APPLIANCES ARE MANUFACTURED FROM 1.4301 CHROME NICKEL STEEL AND ARE RESISTANT TO CORROSION WHICH CAN ARISE THROUGH NORMAL USE. NEVER USE CLEANING AGENTS OR CLEANING SYSTEMS WHICH COULD DAMAGE THE APPLIANCE.

Cleaning agents/cleaning systems

Recommended for use:

- Special stainless steel cleaners
- Soap cleaners
- Microfibre towel
- Ferrite-free (iron-free) sponges

Do not use:

- Cleaners with chlorine, bleach or hydrochloric acid
(often contained in special cleaners: e.g. oven cleaners)

Care instructions

- Clean in the direction of grinding
- Rinse with sufficient clear water after each cleaning
- Some silicone cleaners are not suitable for cleaning stainless steel due to their aggressiveness
- Various tile and stone floor cleaners (e.g. cement residue remover) are very aggressive and can attack the stainless steel surface
- When working with conventional steel or "black plates", contact with the stainless steel surface (e.g. through flying sparks when using a cutting disc) must be avoided
- Iron particles, which are applied e.g. by scratching with an iron pan or by using steel wool, should be avoided on the stainless steel surface at all costs or removed immediately
- Any residues (of unsuitable cleaning agents) or deposited iron particles can cause corrosion or discolouration (also possible with a time delay: ~1 week)

Longer Shutdown Periods

For longer shutdown periods of the refrigeration appliance, proceed as follows:

- Press the "OFF"-key of the controller (OFF appears in the display)
- Pull the plug out of the power socket
- Do not shut the doors/drawers completely in order to prevent the development of unpleasant odours
- Protect the refrigerating unit against dust

What to Do in the Event of Faults

Fault	Checking
The cooling appliance is not working	<ul style="list-style-type: none"> - Is the right-hand key on the controller switched on? (Temperature is shown in the display field) - Is the connection lead damaged? (a new cable must be replaced only by customer services)
Deviations from the desired refrigeration temperature (the cooling appliance is not working)	<ul style="list-style-type: none"> - Is the vaporiser in the refrigeration space iced heavily? → Switch off and empty the appliance and keep out of operation until it is completely de-iced (WARNING: Do not use any hard, sharp or metallic objects for cleaning the vaporiser) - Is the ambient temperature too high? → air out the room - Are there too many warm beverages or foodstuffs stored in the refrigeration appliance? → restore the ware - Is the plinth grille dirty? → CLEAN, the cooling unit needs sufficient air supply via the plinth



Other faults can only be cleared by customer services.

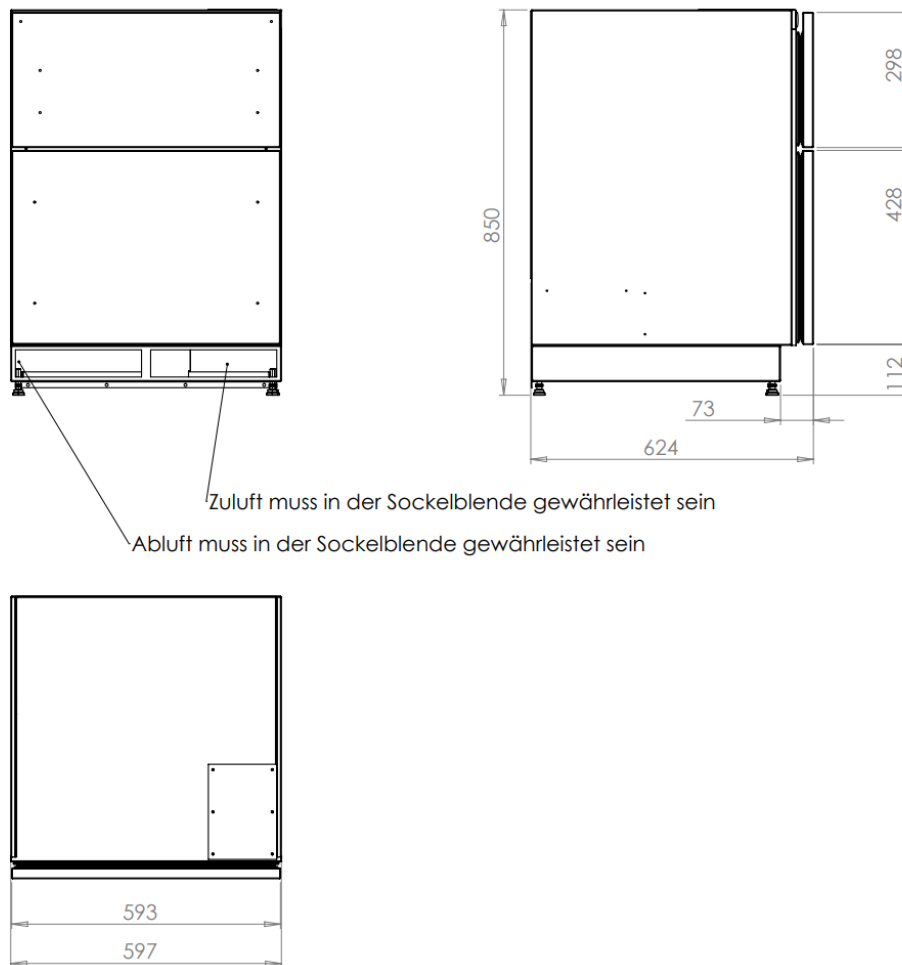
Status display and Consequential damage messages

Message	Cause	Measures
HA	Cold room temperature high alarm	Close the drawers
LA	Cold room temperature low alarm	Contact a qualified specialist



In order to avoid consequential damage to the unit, the customer service must be informed immediately in the event of an error message and the error code must be passed on.

Refrigeration unit – drawing



⚠ The supply and exhaust air must be ensured via the plinth trim. The outlets in the base area of the cooling system may only be covered with very air-permeable grilles.

Disposal

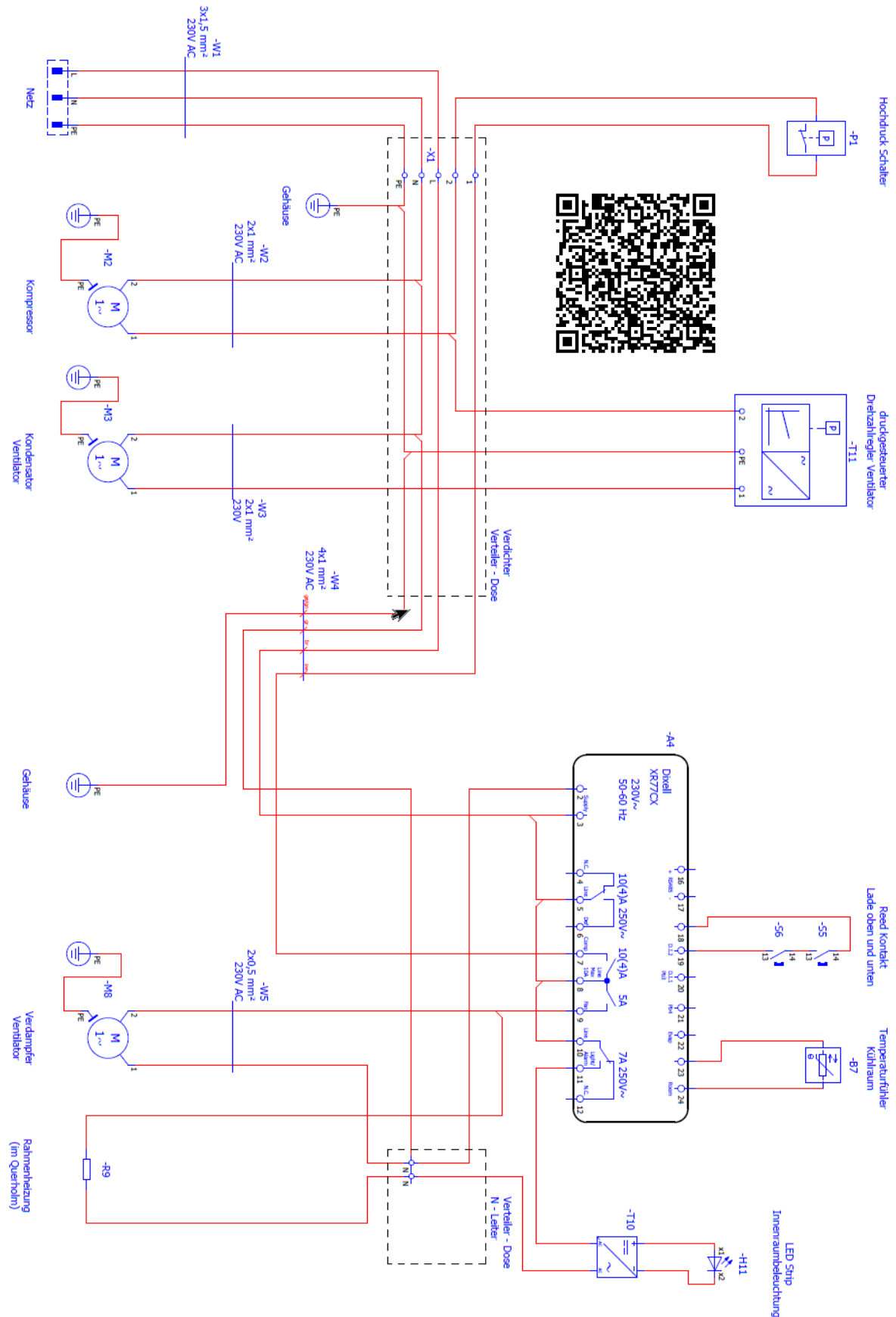
⚠ If the appliance should be disposed of, it must be decommissioned before it is scrapped. To do this, the power supply cable must be removed and all parts which represent possible sources of danger, such as lock, hinges and other closure systems, must be removed in order to prevent children locking themselves in the appliance when playing.

OBSERVE THE LOCALLY APPLICABLE REGULATIONS FOR SCRAPPING THESE APPLIANCES!

Technical Data – Design Outdoor Refrigeration Appliances (KDO)

Usable drawer volume 1/3	[l]	32,5
Usable drawer volume 2/3	[l]	54
Width	[mm]	597
Depth	[mm]	624
Height	[mm]	850
Power consumption	[W]	299
Current input	[A]	1,3
Power Supply	[V]/[Hz]	230/50
IP rating		IP23
Cooling capacity	[W]	171
Refrigerant		R513A
Evaporation temperature		-10°C
Temperature range		+2°C to +18°C
max. ambient temperature at rel. humidity		+30°C at 50%

Refrigeration with digital control DIXELL XR77CX - FW V.2.6 -



Declaration of Conformity

The company
METAGRO Edelstahltechnik AG
Ramsauer Straße 35
A-3170 Hainfeld

as manufacturer in the EU for the below-mentioned products makes the following declaration:

Design Indoor refrigeration appliances (KDO)

With reference to the following harmonised standards:

EN 60 335-1: A13: 2008
EN 60 335-2-89: 2002 + A11: 2004 + A1: 2005 + A2: 2007
EN 50 106: 2008

the appliances correspond to the requirements of the EU guideline 73/23 and its appendices and changes which are currently valid.

With reference to the following harmonised standards:

EN 55011-1: 2006
EN 55014-2: 1997 + A1: 2001 + A2: 2008
EN 62 233: 2008
EN 61000-3-2: 2006 + A1: 2009 + A2: 2009
EN 61000-3-3: 2008

the regulations for fulfilling the EMC guideline 89/336/EWG, changed by 91/263/EWG, 92/31/EWG and 93/68/EWG are complied with.

Date and signature:

Hainfeld, on 1 Oktober 2022


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DI Christoph Hofer, MSc
CEO