

02/2017

Mod: PSA-1/TR

Production code: TMS20V



Diamond
catering equipment

Parete - Teca

MANUALE DI ISTRUZIONI • USER MANUAL • MANUEL D'INSTRUCTIONS • BEDIENUNGSANLEITUNG • MANUAL DE INSTRUCCIONES

Vi ringraziamo per aver scelto questo prodotto e Vi raccomandiamo di leggere attentamente tutte le istruzioni riportate.

Thank you for choosing one of our products, please read these instruction manual carefully and keep it for future consultation.

Nous vous remercions d'avoir choisi un de nos produits et vous recommandons de lire attentivement toutes les instructions et de garder soigneusement le manuel.

Wir danken Ihnen dafür dass Sie sich für dieses Produkt entschieden haben, und empfehlen Ihnen alle Anweisungen sorgfältig zu lesen.

Les agradecemos por elegir este producto y les recomendamos de leer atentamente todas las instrucciones a continuación.



1. GENERAL INFORMATION

This manual applies to the units produced starting from September 1st, 2016. Part of the information contained in this manual do not apply to previously purchased units.

Please follow instructions to ensure proper functioning of the equipment.

The manufacturer declines all responsibility for any malfunctioning caused by failing to follow given instructions.

All packaging materials used are eco-friendly and recyclable. Please dispose properly of the packaging.

2. SAFETY

ELECTRIC SYSTEM

Check carefully that voltage matches the one shown on the product tag located on the last page of this manual and also inside the cabinet, right side, underneath the panel that covers the technical tank. (Look at the following pictures A3 – A4).

A tolerance of +/- 6 % is allowed. It is very important to check the voltage level also during the appliance operation, keeping in mind that a lower voltage than the allowed tolerance may cause serious damage to the system. Insert the plug in a monophase grounded socket, this socket must be permanently accessible to allow the disconnection of the appliance at any time. Grounding is not only a safety standard but is also compulsory by law.

The manufacturer declines all responsibility whenever this safety precaution standard is not observed.

Do not insert more plugs together when using extension cord. The plug must have sufficient space from the back of the display and be on sight.

Do not spray liquids or flammable gases directly inside or near the appliance when plugged in.

Check the power cord for signs of wear or abrasion along the coating and make sure that the plug is not damaged. If the power cable is damaged, require its immediate replacement to the manufacturer or to the service center. While moving the unit, please pay attention not to squeeze or damage the power cord.

Do not touch the power plug with wet hands.

Failure to take such above precautions may cause damage to persons or properties due from electric shock or fire.

If the appliance generates a strange noise, a burning smell, or smoke, unplug immediately the power plug and contact the service center.

If extraneous substances, such as water should penetrate in the appliance, unplug the plug from the socket and contact your service center.

Failure to do so may cause electric shock or fire.

OTHER SAFETY INFORMATION

This unit was designed and manufactured in compliance to current standards and all safety measures have been employed. However, residual risk remains:

- Be aware of protruding corners and edges near the compressor and condenser that may cause cuts.
- All moving parts are safeguarded and automatically started and stopped. It is however recommended to disconnect power before performing maintenance and cleaning.
- If the appliance is not to be used for a long period (more than 3 weeks) remove all bottles and switch it off.
- Before cleaning and maintenance is recommended to disconnected the appliance and wait a few minutes (In compliance with E.D. 2006/42/EEC)

The showcase must be installed on a even and levelled floor, it is possible to adjust the leveling feet until it is absolutely stable. Failure to comply with this precaution can cause the overturn of the units and cause property damage and personal injury.

Do not use the appliance for other purposes than those for which they were designed and produced, and in general, differently from as shown in this manual. The appliance should not be used by people with reduced physical, sensory or mental capacity, unskilled persons or who lack proper knowledge and children unless there is no one person responsible for their safety to provide them with proper supervision and instruction for use. Cleaning and maintenance must not be performed by children without the supervision of a responsible.

Keep the lock keys away from children and not near to the unit.

Do not leave the doors of the refrigerated cabinet open without supervision and do not allow children to get inside as they may be injured or die by suffocation.

Keep packaging materials away from children; if a child puts his head in a plastic bag, he risks suffocation and death. Do not allow children and / or adults to sit or hang on doors. Otherwise the unit could fall, doors been disengaged and glass be broken, events that could lead to injury or property damage.

Do not place any object under or above the unit, because during the opening and closing of doors, objects could fall and cause personal injury, property damage, electric shock or fire.

Do not make any changes or modifications since a different configuration could result in damage to property or persons. Expo Srl cannot be held liable for safety issues and damages resulting from such changes.

The warnings and safety instructions in this manual do not cover all possible conditions and situations that may occur, therefore it is the user's responsibility to use the appliance with common sense, paying the utmost attention and care during installation, maintenance and operation. Since these instructions cover various product models, the characteristics of the purchased product may differ slightly from the ones described in this manual.

3. INSTALLATION

If you have purchased the Parete Vino, please proceed with the installation as indicated in the "Installation instructions" delivered together with the unit. The Teca is a product for free installation therefore do not require special assembly operations.

For correct operation the unit should be placed in a place free of excessive moisture, well-ventilated and away from sources of heat, the ambient has to be with temperatures between 5 ° C and 30 ° C, avoiding exposure to direct sunlight, keeping it clean from dust or other sediments.

Any damage caused by failure of following these recommendations is not covered by the guarantee and is not in any way the manufacturer's responsibility.

It is also recommended to place the appliance so it can be used under NORMAL lighting conditions (defined as 200 LUX) E.D. 2006/42/EECE Place the display on a even and flat surface, if needed regulate the four front and rear leveling feet to get a perfect level. Important for its correct functioning and to allow the doors to close properly it is essential that it is perfectly level.

The installation and any maintenance operation on the equipment must be performed by a qualified technician or a service center.

Never connect the plug to an ungrounded socket and always check that its grounding is conform to the applicable local rules.

Do not install the appliance in a place subject to gas leaks.

When moving, in order to prevent damage to the floor, make sure the leveling feet are raised.

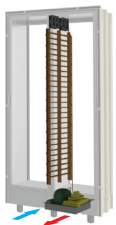
The display should not be placed outside or exposed to direct sunlight.

Once placed in the final position, leave the showcase turned off at least 4 hours, this reduces the possibility of malfunction of the refrigerating system due to transport and handling.

- Insert the plug into the wall socket (see electrical system safety)
- To start operating the appliance act on the main switch located under the display on the right side (TECA) or on the front lower side (PARETE)
- Turn on the display by pressing the power button of the controller (⏻) (see legend of key symbols)
- Let the machine run empty for at least two hours before inserting bottles / food
- At the beginning the unit might be noisy; gradually, letting the machine run, the noise will decrease
- The compressor will start automatically after a few minutes, if the unit is turned off and immediately turned on again or when setting temperature, the compressor stops and starts automatically after a few minutes
- To connect the lights of the top unit "B" of the Parete Vino, connect the cables and bring the excess of the cable into the technical tank of the lower unit "A".

The central refrigeration system with which the unit is equipped (5.3) works with a ventilated condensation system. The ventilation - meaning the hot air expulsion and the suck of the fresh ambient air - is carried out in the lower part of the display, exactly in the space where the 8 cm feet are installed. IT IS STRICTLY FORBIDDEN TO CLOSE OR OBSTRUCT THIS SPACE.

Not following the above instruction, not only creates a significant increase of consumption but can lead to serious malfunction or accident and is considered as improper use, faulty installation or tampering and therefore will INVALIDATE THE PRODUCT WARRANTY.



CAUTION

DO NOT CLOSE THE 8 CM (3,15 IN) SPACE UNDERNEATH THE BASE. ALSO THE PARTIAL CLOSURE WITH INHIBIT THE VENTILATION. FAILURE TO COMPLY THESE INSTRUCTIONS INVALIDATE THE WARRANTY.

LEAVE THIS SPACE FREE



LEAVE THIS SPACE FREE



The upper unit (P * -VBR10) needs a greater space to ensure sufficient air circulation.

Failure to comply with the above suggestion could affect the good operation of the unit and increase the electric consumption.

The showcase must be installed in order to allow easy movement for maintenance and cleaning operations.

4. USE AND MAINTENANCE

4.1 USER

Warning: unplug the appliance before performing any maintenance or cleaning.

Do not store in the refrigerated display any product that requires strict controls of temperature such as medicines, scientific material or in general all those products sensitive to slightest temperature variations.

The units for gastronomy or delicatessen products are showcases designed for refrigerated display and are not suitable for food storage. The food must be kept inside for the period needed for presentation and sale.

If there is excessive condensation inside the showcase, turn off the appliance, empty it and wait for an hour. Dry the inside excess moisture and leave the doors open. Leaving too much humidity inside may cause unpleasant odors and mold can develop.

Do not use wet sponges or spray cleaning products directly on the display. To clean, use a slightly moistened soft cloth or paper.

Do not clean the unit spraying water above it. Do not use aggressive chemical products, benzene or solvents as they may damage the unit.

4.2 TECHNICAL ASSISTANCE

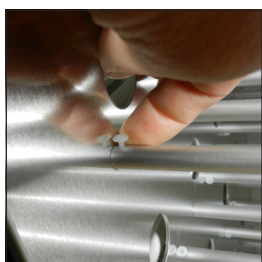
WARNING : the maintenance operation must be performed exclusively by skilled technicians.

The refrigerating gas used are R134a - R404A - R600a.

To verify the type and quantity of gas used for each unit please check the label located underneath the internal aluminium lid (A4), the label on the compressor or the lable on the conformity declaration shown at the bottom of this manual.

Regularly it may be necessary to clean the condenser with a brush, vacuum cleaner or blowing compressed air. It might be useful to remove the fan that is placed above condenser. The cleaning frequency depends on the site conditions and in particular by the regular cleaning of the floor and can vary from 6 months to 2 years.

The condenser is located in the bottom base on the right lateral side (A5). To access the technical compartment follow the instructions below:



A1 . Extract the plastic clips from the right hand side on the alluminium rods



A2 . Move towards left 3 rows of rods or unscrew them (Depends on the model)



A3 . Remove the aluminium panel



A4 . Remove the lid underneath the panel by unscrewing the screws

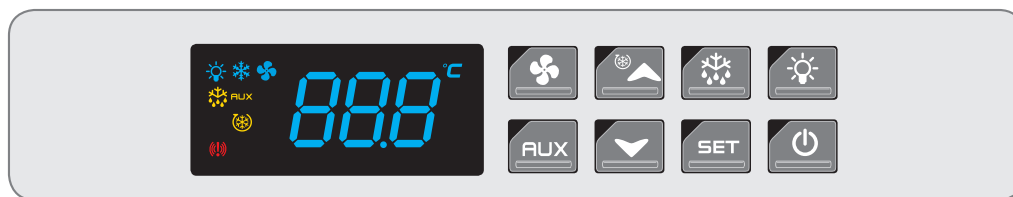


A5 . Condenser compartment

5. OPERATION

5.1 THERMOREGULATOR AND TEMPERATURE SETTING

Valid for all models except: 



KEYS FUNCTION ON THE CONTROL PANEL

-  Start/Stop appliance
-  Turn lights on/off
- SET** To view / edit the setpoint
-  For manual defrosting
-  To decrease temperature
-  To increase temperature
- AUX** To turn on the heating element on the frame/ rails
-  To switch on the inside fan

MEANING OF THE WARNING SYMBOLS ON DISPLAY

-  Compressor on
-  Light on
-  Defrosting on
- AUX** Frame heating on
-  Inside fans on
-  Temperature alarm
-  (ON) Actual temperature
-  (FLASHING) Set point in progress

SETTING THE TEMPERATURE

To set the desired temperature press **SET**. The symbol  will start flashing. Press the keys   to set the temperature. Press again the key **SET** to confirm your choice.

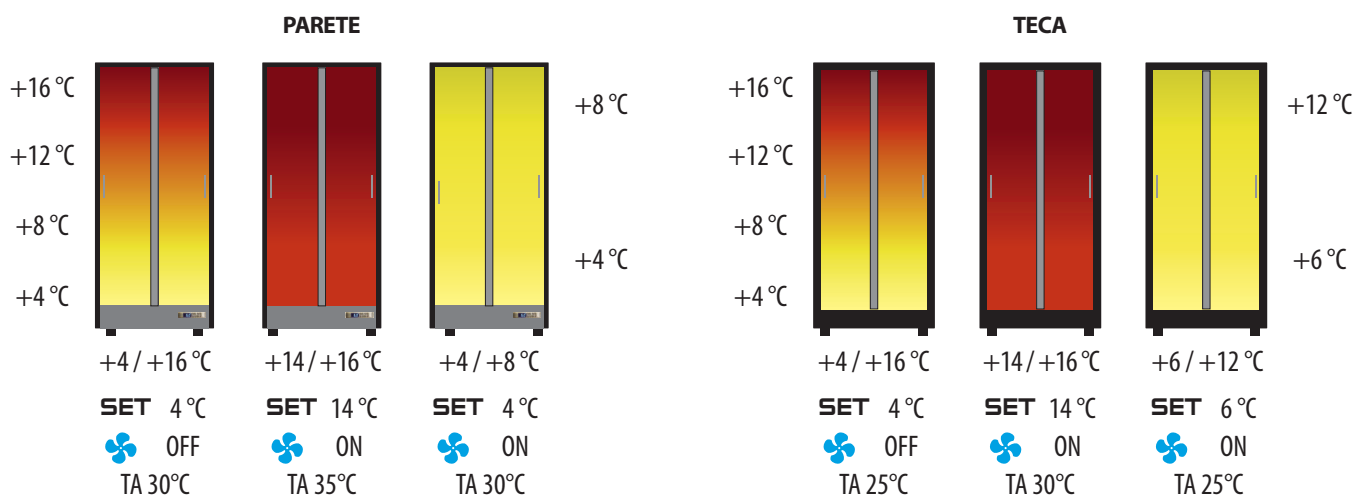
The temperature shown on the display is taken by the probe located inside the cabinet at the bottom of the central aluminum panels.

MANUAL DEFROST

The product is equipped with an automatic defrost system, therefore no manual intervention is required.

If you wish to perform an additional manual defrost, press and hold for at least three seconds the key  in order to stop the cooling for fifteen minutes. After this stop the appliance will run again the normal operation with the previously programmed temperatures.

POSSIBLE SETTINGS



Reported temperatures are approximate and may vary by (+ -) 2 °C depending on the model chosen (Wine Showcase, Gastronomy, Delicatessen)

SUGGESTED SERVING TEMPERATURES OF WINE

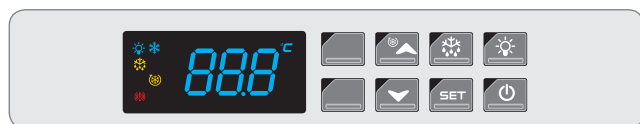


The temperature controller of wine units can be set to different temperatures with or without ventilation directly by the user, allowing to choose the right conservation or service temperature for all types of wine. Please remember that the bottom part of the showcase is always few degrees lower than the upper part, fact that has to be considered when choosing the position of the different wines.

- Structured red wines **+18 / +20 °C**
- Young red wines **+14 / +16 °C**
- White and rosé wines **+10 / +12 °C**
- Sparkling wines **+6 / +8 °C**



● P*CAR10 / P*CAR20 / P*CDR20 / TC10 / TC20



+14 / +16 °C
SET 14 °C
TA 30°C

The refrigerated unit for chocolate always works with ventilated refrigeration and the controller does not have the keys  and **AUX** which are not needed.

The inside humidity is always less than 45% thanks to the conformation of the aluminum panels covering the serpentine.

The moisture level cannot be set and is only viewable with a special controller OPT-TVU (optional).

● PM-VBR10 / PC-VBR10 / PM-VBR13 / PC-VBR13



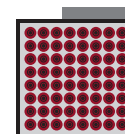
KEYS FUNCTION ON THE CONTROL PANEL

- SET** To view / edit the setpoint
 To decrease temperature
 To increase temperature

MEANING OF THE WARNING LIGHTS

-  Compressor on
 Defrosting on
 (ON) Actual unit temperature
 (FLASHING) Set point in progress

SETTINGS



+14 / +16 °C
SET 14 °C
TA 25°C

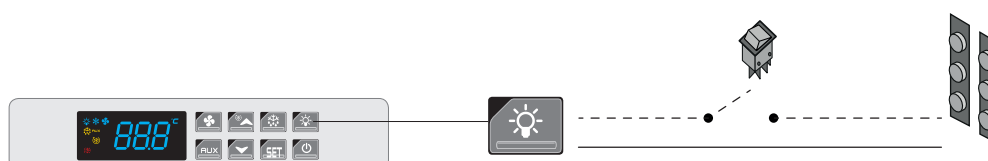
The unit P * -VBR10 can be used for storing wine or for keeping at serving temperature only red wines. You can not set temperatures lower than the indicated one.

INSIDE VENTILATION

The internal fans of P * -VBR10 units are connected directly to the general switch, they do not need to be operated by the user and during their operation no warning light is shown on the display.

TURNING THE LIGHTS ON

The lights of the upper unit "B" light up together with the lower unit "A" by pressing the Key on controller of the "A" unit. If you want to keep off the top unit "B" while the "A" unit is on you must act manually on the switch (I-O) of the upper unit "B", placed next to the controller.



MINIMUM ADJUSTABLE TEMPERATURE

The temperature controllers of all the showcases are blocked so that the user cannot set lower temperatures than those planned PARETE VINO +3 °C (excluding P * VBR10 and CAR10-20 +12 °C) TECA +4 °C (excluding TC10-20 +12 °C). It is not allowed to enter the hidden parameters and modify these values. The showcases are not designed and built to operate at low temperatures. Failure to comply with this provision will invalidate the warranty.

CONDENSER TEMPERATURE ALARM

If the display shows the warning light  it shows that the temperature detected by the second probe placed on the condenser has exceeded the safety limits set by the manufacturer. The reasons may be as follows:

- The space at the bottom of the unit (8 cm) was blocked, preventing the air exchange.
- The ambient temperature and humidity are too high.
- The condenser is completely blocked with dust, compromising the ventilation. Clean it as indicated in section 4.1.

5.2 HEATED FRAME AND RAIL



An heating element is installed on all the showcases (Parete -> Frame) (Teca -> Rail) which can be activated with the AUX key on the thermo-regulator (excluding models with ●)

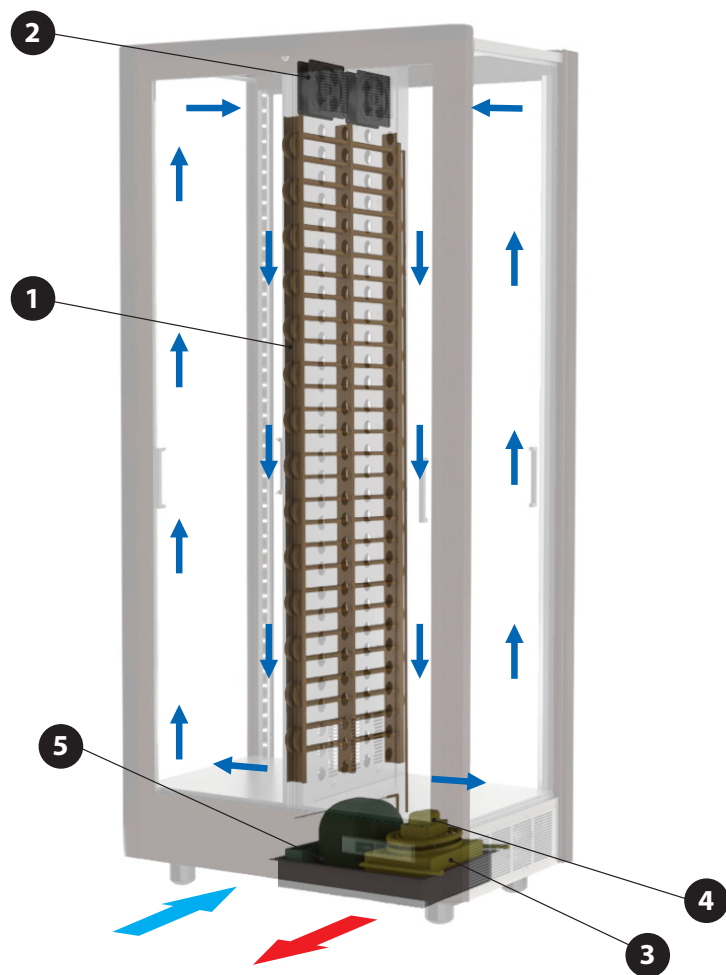
This technical device solves the problem of condensation on the metal parts due to the difference of temperature between the inside of the showcase and the ambient temperature, especially in places with very high temperature and humidity.

It is very important to use this feature in tropical countries and marine locations because even a small presence of condense for long periods may damage the external decorative coating of the showcase.

In locations with continental climate with normal temperature and humidity conditions it is not necessary to use this device. The same goes for the showcase set at the storage temperature (+14 +16 °C).



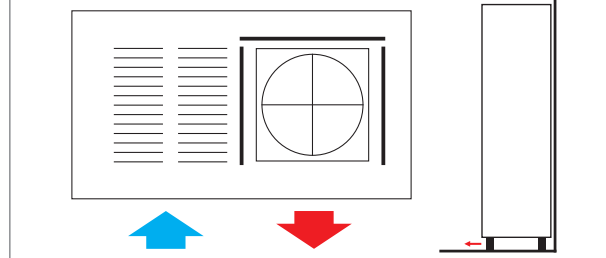
5.3 CENTRAL COOLING SYSTEM



	inside air flow
	ambien air suction
	warm air outlet

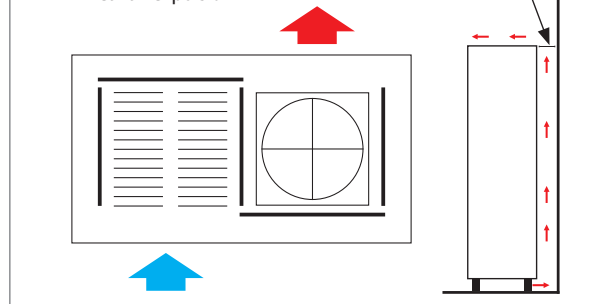
The cooling serpentine **1** and the internal fans **2** are located in the middle of the cabinet between the aluminium panels. The compressor **3**, the horizontal condensing unit with the fan with pressing blade **4** and the basin for the evaporation of the condensation water **5** are placed in a special lowered tank. With this solution, although installing a standard compressor, the height of the base is limited (150 mm) since it is used the lower space where feet are located (80 mm). The circulation of the condensation air is blown through the front bottom part.

STANDARD



OPTIONAL

OPT-EAP Rear air expulsion

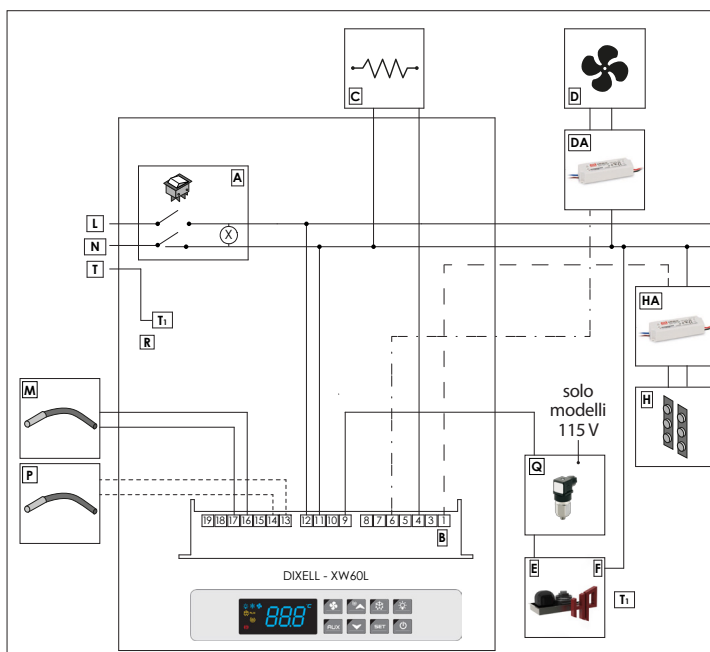


OPTIONAL

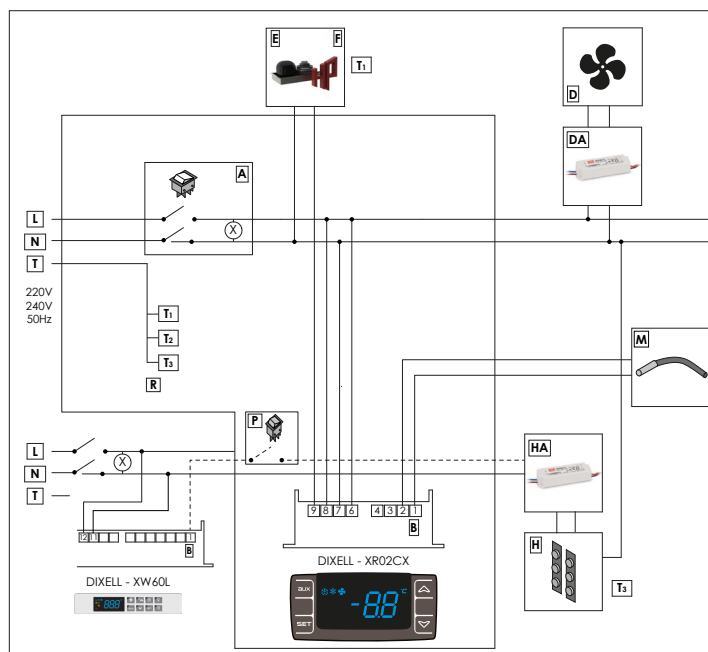
OPT-PUR Unit set for remote compressor connection



5.3 WIRING DIAGRAMS



Valid for all models except PM-VBR10 / PC-VBR10



PM-VBR10 / PC-VBR10

6. PROBLEM SOLUTION GUIDE

For information or assistance related to the use of the product write an email to: helpdesk@exposrl.com

Problem	Potential cause	Solution
The unit display does not turn on	The unit is disconnected	Check the connection to the wall socket
		Check the power supply on the socket
	General switch deactivated	Turn on the main switch
	Faulty thermoregulator	Contact the technical assistance center
The unit does not cool enough	The ambient temperature is too high	Eliminate the cause
	The doors get frequently opened	Eliminate the cause
	The doors are not completely well closed	Pay attention to complete and correctly close the doors
	The showcase is exposed to sunlight	Place in a cool and well-ventilated room
	The thermoregulator isn't set correctly	Check the set-point of the thermoregulator
	An excessive amount of products is kept in the display	Do not fill excessively the showcase
	AU2 Alarm – The space under the unit has been blocked	Free this space to allow a proper ventilation
	AU2 Alarm – The ambient temperature is too high	Eliminate the cause
Bad smell inside the display	Presence of rotten food or food with strong odors	Clean the display internally and remove food residues
		Placing food in airtight containers
Hearing some noise	The display does not stand on an even surface	Carry out a proper installation
	Something dropped behind or underneath the showcase	Check and remove the object
	Clicking sound coming from the inside	It is normal, it is due to the expansion of some elements
The upper part is not cold	Inside fans are off	Switch on the internal fan button on the thermo-regulator
	Inside fans are broken	Contact the technical assistance center
Condensation on doors, rails or frame	Ambient humidity is very high	Eliminate cause or switch on the frame heating
	The set temperature is too low	Raise the temperature
	The door was left open	Carefully check that the doors are closed
The doors do not close properly	The display does not stand on an even surface	Level the showcase by adjusting the levelling feet
Any led lights turns on	The lights key is off	Switch on the lights key
	Power supply or controller are faulty	Contact the technical assistance center
A single led strip or a part of it does not work	The led strip is faulty	Contact the technical assistance center

Maintenance and repair work must be performed by qualified personnel.
Before carrying out any operation disconnect the showcase from the socket

The following documents are available on the internet website www.exposrl.com

Document type	Browser link	File name
Exploded view	www.exposrl.com >> technical area >> Spare parts and exploded views	PARETE1(EV)
		PARETE2(EV)
		TECA1(EV)
		TECA2(EV)
Wiring diagram	www.exposrl.com >> technical area >> electric wiring	PARETE-A (SE)
		PARETE-B (SE)
User instructions	www.exposrl.com >> technical area >> user instructions	PARETE-TECA (MI)
Assembling instructions	www.exposrl.com >> technical area >> assembly instructions	PARETE-A (IM)
		PARETE-AB (IM)

6. DISPOSAL OF END-OF-LIFE EQUIPEMENT

In accordance with art.13 of Legislative Decree of 25 July 2005, n.151 "Implementing Directives 2002/95/CE, 2002/96/CE and 2003/108/CE, concerning the reduction of the use of hazardous substances in electrical and electronic equipment, as well as waste disposal".

At the end of its life cycle the product must be disposed separately from other waste.

Illegal disposal of the product by the owner involves the application of administrative sanctions provided by law.

This product complies with D.E. 2002/96/CEE RAEE e 2002/95/CEE RoHS



The symbol on the product and manuals indicates that the product at the end of the life cycle should not be disposed with other waste.

To prevent possible harm to the environment or human health caused by the incorrect disposal of waste, the user is encouraged to give this product to authorized persons in accordance with local regulations.

For all the information about separate collection of this type of materials, the household users should contact either the dealer from whom they acquired the product or the competent authority.

Professional users (companies and professionals) should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be disposed with other commercial wastes