



Right **TEMPERATURE** Worldwide



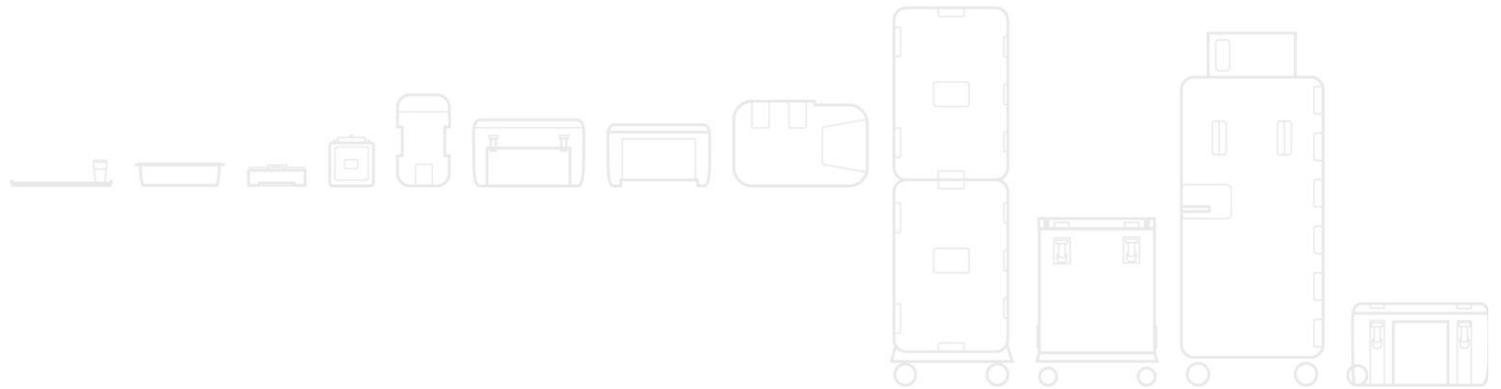
Read the correct use and maintenance manual, available here:

en.melform.com/section/manuals



Koala line

Use and maintenance manual



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1. INTRODUCTION

1.1 Area of use

The Koala Line refrigerated containers have been designed and built for the transport of temperature sensitive products, without interruption of the cold chain.

They represent the solution for transport over long distances or for which precise temperature control is required for the duration of transport.

Depending on the models, they are indicated for transport in:

- *chilled* (adjustment range of the digital thermostat: from 0°C to +10°C);
- *chilled and frozen* (adjustment range of the digital thermostat: from -30°C to +10°C or from -25°C to +10°C or from -18°C to +10°C);
- *chilled and hot* (adjustment range of the digital thermostat: from 0°C to +40°C);
- *chilled, frozen and hot* (adjustment range of the digital thermostat: from -30°C to +40°C / -25°C to +40°C / -18°C to +40°C).

The reference environment temperature is between +10°C and +32°C. Outside of this range, the performance levels declared for the refrigerated containers may vary.

IMPORTANT

It is mandatory to ensure that the environment temperature at which Koala works never exceeds 45°C: above this limit, the electronics of the refrigerated container can undergo irreversible damage.

Therefore we recommend to install aeration turrets on vehicles with covered body, that, in specific climates, may easily reach and exceed critical temperatures.

To ensure the correct operation of the Koala Line containers, it is mandatory to ensure the maximum aeration of the work environment, leaving a free space of at least 20 cm around the ventilation grilles.

1.2 Consulting the manual

This manual has been issued to supply all the information needed for quick and easy maintenance.

Consequently, it must be available to maintenance staff and operators at all times.

The instructions must be read carefully before using the product.

1.3 Warranty

The product is guaranteed against manufacturing faults for twelve months from the date of purchase, as long as:

- it has always been used in compliance with the manufacturer's instructions;
- it has not been connected to an inadequate power source;
- it has not been damaged by improper use.

The warranty does not cover accidental damage during transport, due to negligence, improper use or failure to observe the contents of these instructions for use. The warranty shall become null if the product is repaired or interfered with by unauthorized third parts.

Contact your local dealer or Melform customer care for assistance or for enquiry of original spare parts.

Koala is an exclusive MELFORM product.

The manufacturer reserves the right to change the characteristics of the models at any time without notice. Variations in color shades are possible.

2. WARNINGS

The product is built to the state of the art. All requirements for the safe and correct operation of the appliance have been satisfied.

The user is recommended to train its staff to ensure that the container is destined exclusively to the use for which it has been designed and used correctly as indicated in these instructions.

2.1 General recommendations

- The use of the container must comply with the manufacturer's instructions. The function of the Koala Line container is to guarantee the maintenance of temperature (chilled or frozen) required during transport. Different functions or operating modes should be avoided.
- This product is intended for the exclusive use of adults and trained personnel; keep away from the reach of children.
- In case of repairs, contact an authorized service center by the manufacturer and ask for original spare parts. Maintenance must be carried out only by suitably trained personnel who are informed about the risks associated with work on live systems.
- Warning: after an intensive use, some parts of the system, such as the compressor, could reach high temperatures. Take the appropriate precautions to limit the risks associated with maintenance operations.
- It is recommend the use of individual protection devices, such as work gloves during opening and closing doors operations to avoid risks of pinching.
- Warning: there is no opening from inside the door: avoid closing people / animals inside the Koala.
- Never exceed the environment temperature of +45°C: above this temperature the electronics of the refrigerated container can undergo irreversible damage.
- Never cover the ventilation grids. Leave a free space of at least 20cm around the ventilation grilles.
- Do not store the container into cold stores. The high humidity level in the air could damage the electronics of the container. The low temperature could solidify the oil contained in the refrigerated unit.
- Do not store the container at a temperature lower than 0°C.
- Periodically check the condition of the container.
- Use the container on flat surfaces only.
- Switch off the cooling unit in the case of tipping or steep inclination. Reposition the container on a flat surface and wait for at least 1 hour before switching the cooling unit on again.
- Do not activate the cooling unit if it has been dropped or damaged.
- Do not bring the container into contact with sharp or pointed surfaces or sources of direct heat (naked flames).
- Do not expose the container to splashing water, rain, weathering or aggressive and pollutant atmosphere (smoke, fumes).
- Never wash the container with steam jet or pressurized appliances.
- Do not leave the container exposed to direct sunlight for many hours.
- Do not install the container near to sinks or taps.
- Do not install the container near cookers, heaters or other appliances which give off heat.
- Do not store flammable liquids in the container.
- Do not touch the evaporator with wet hands.
- The ATP Compliancy Certificate is available upon request and valid for six years.
- Any change made to ATP compliant container after purchase will immediately void the validity of the certification of the warranty.

IMPORTANT:

The manufacturer declines all responsibility if the standard prevention rules in force are not observed by the user company.

3. USING THE PRODUCT

3.1 Using the product for the first time

The container is cleaned before leaving the factory. However, we recommend washing the container, following the instructions given in paragraph 4.1 "Washing Instructions" before using it.

3.2 Types of refrigerated containers

Koala refrigerated containers are available in the following versions:

- integrated: the cooling unit is integrated in the body of the container;
- with backpack: the cooling unit is fixed on the top, back, or side of the container.

The version with external cooling unit can be either static or ventilated. The ventilated system avoids condensation and allows the temperature to be more homogeneous inside the container.

3.3 Installation

For information about technical data of the Koala in use (feedings, absorptions, protection fuses), please refer to the motor nameplate data placed on the cooling unit or to the product sheet published in: www.melform.com.

Depending on the versions, Koala containers can be powered with a with 12/24V DC power or with 100/240V AC 50/60 Hz. power.

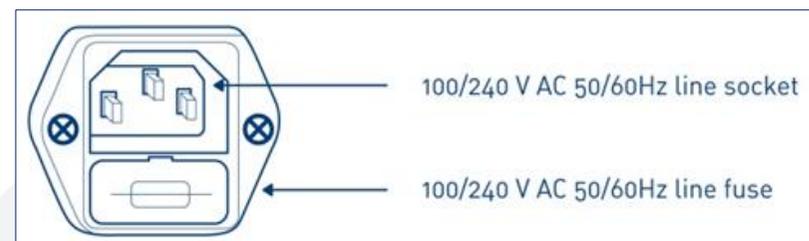
If the local grid voltage is too high or too low, the compressor does not work and the electronics of the equipment may be damaged.

Depending on the versions, the cooling unit is protected by the following fuses:

- 15 A or 25A or 30A, located near the 12/24Vc.c. socket;
- 4 A, located on the 230Vc.a. 50/60Hz socket.

Alternate current connection 230Vc.a. 50/60Hz:

- check that the plug on the power cable is suitable for the electricity socket;
- ensure that the socket has an efficient earth contact and adequate capacity. The electrical safety is only guaranteed when it is correctly connected to an efficient earth system; systems which do not comply with the standards in force could cause injury or damage;
- do not use AC/AC transformers to power the cooling unit.



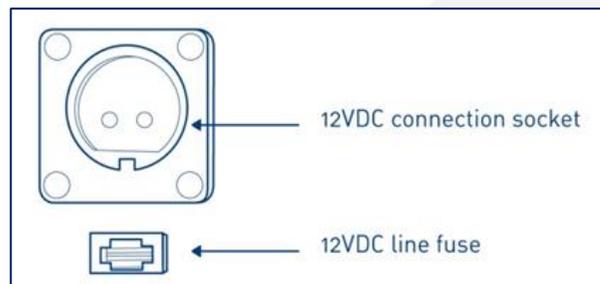
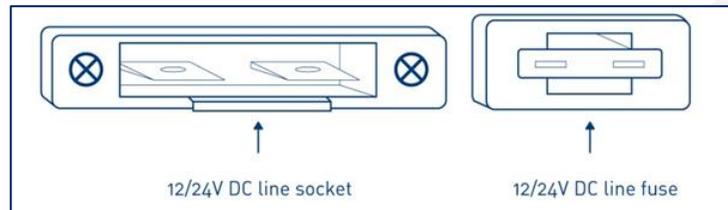
Drawing 1: 230V AC 50/60Hz connection socket

12/24V DC connection:

- use original cables supplied by the manufacturer only;
- different connections must be assessed and made by qualified personnel;
- in case of installation of multiple Koala Line containers on the same vehicle, we recommend to refer to the Melform customer care , in order to evaluate the correct inputs and the sections of the power cables, to guarantee the correct operation of the system.

To prevent drops in voltage and losses of power:

- the cable must be as short as possible and must not be sectioned;
- avoid using additional switches, plugs or junction boxes;
- the cable section must be selected depending on its length;
- do not connect other electric appliances on the cable of the cooling unit;
- the connection of the cooling unit to the battery must be direct and dedicated;
- do not use portable generators, they could cause damages due to voltage peaks and frequency variations;
- do not use battery chargers to power the cooling unit;
- maintain a free surface around the cooling unit (at least 20 cm), to ensure an adequate ventilation and allow a greater cooling efficiency and a reduced power consumption.



Drawing

3.4 Activation

Alternate power connection - 230 V AC 50/60Hz:

- push the power cable socket into the appliance socket (Drawing 1);
- push the main plug into the electric socket 230 V AC 50/60Hz;
- switch on the cooling unit by pressing I on the main switch O/I (Drawing 3 - A).

Direct power connection 12/24 V DC:

- push the power cable socket into the appliance socket (Drawing 2);
- connect the cooling unit to the 12/24 V DC power supply;
- switch on the cooling unit by pressing I on the main switch O/I (Drawing 3 - A).

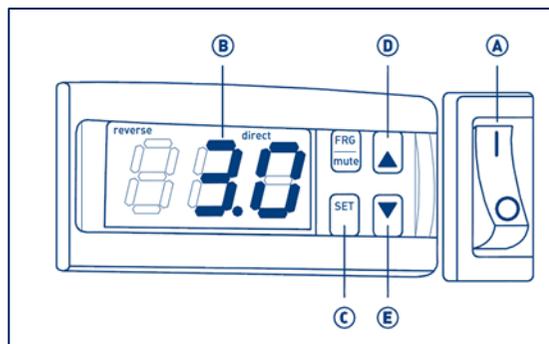
The temperature regulation device is programmed by the factory at a preset-point value (working point) for each Koala models, with an gap between shutting down and starting up the cooling unit of -1°C and $+1^{\circ}\text{C}$ compared with the set-point value.

To change the set-point value:

- press the SET button (Drawing 3 - C) for a few seconds: the display (Drawing 3 - B) displays St1;
- release the SET button (Drawing 3 - C): the display (Drawing 3 - B) flashes showing the current set-point value;
- to increase the set-point value repeatedly press the UP button (Drawing 3 - D). Each time the button is pressed, the set-point temperature increases by 0.1°C ;
- to reduce the set-point value repeatedly press the DOWN button (Drawing 3 - E). Each time the button is pressed, the set-point temperature is reduced by 0.1°C ;
- press again the SET button (Drawing 3 - C): the new set-point is confirmed.

At the end of the setting the display (Drawing 3 - B) displays again the actual temperature inside the container.

Reconnecting the supply voltage after its interruption, the latest set-point temperature set remains active.



Drawing 3: Temperature controller

3.5 EVCO regulator –EVLINK module – App EVCONNECT (Optional)

The solution includes:

- The regulator: EV3294 N3 12-24vac



EV3294 N3 12-24vac is a controller for the optimized management and high energy efficiency of refrigerated units at normal, low, static or ventilated temperatures. Compact and design (74 x 32 mm panel, 4 capacitive touch keys, IP65), it is compatible with the EVconnect App.

- The module EVLINK (module EVIF25TBX with RTC +BLE+MEMORY)



The module is a data-logger for the automatic preservation of the data history that does not require any programming and is powered by the controller.

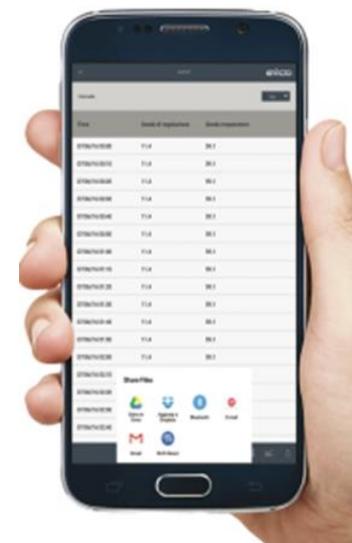
The module is a Bluetooth BLE 4.0 (Bluetooth Low Energy) interface that records and transmits data to the Android Smartphone/Tablet device.

- The free EVCONNECT App for Android 4.4 device with BLE 4.0

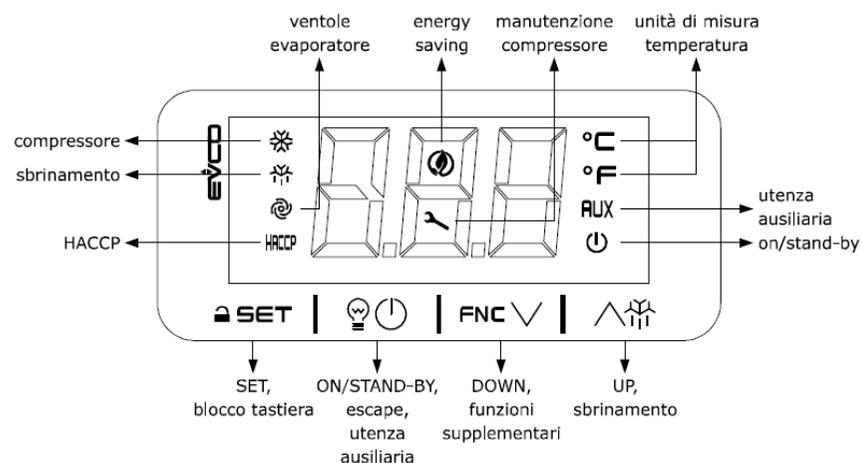
EVconnect is an App compatible with Android 4.4 devices with Bluetooth 4.0 (BLE) or higher, allowing you to operate via Bluetooth BLE (Bluetooth Low Energy) on the EVCO EV3294 controller.

From smartphone or tablet Android 4.4 it is possible to download and view data recordings, also in tabular or graphic format, as well as alarms and machine states. The information can be exported in CSV format (for example for sending by email).

EVconnect, protected by multi-level access codes, allows intervention on the set point and on the machine configuration parameters. A list with extended description of the parameters makes access to the configuration operations very practical.



- Regulator function EV3294 N3 12-24vac



Switching ON/OFF the device

To switch the controller on/off, press the ON/STAND-BY button for 4 seconds.

If the device is on, the display shows the temperature inside the container.

Unlocking the keyboard

If you do not operate the keys for 30 seconds, the word "Loc" appears briefly on the display and the keypad is automatically locked. To unlock the keyboard, press any key for 1 second and the word "UnL" will appear on the display.

Setting the set point on the regulator EV3294 N3 12-24vac

The regulator is programmed to a set point value (working point) of 0 ° C.

- To change the set point value, make sure that the keyboard is not locked.
- Press the SET button;

- To increase the set point value, press the UP key within 15 seconds. Each press of the button increases the set point temperature by 0.1 ° C;
- To reduce the set point value press the DOWN key within 15 seconds. Each key actuation reduces the set point temperature by 0.1 ° C;
- Press the SET key to confirm the new set point value.

- Functioning of the Evconnect App

From PlayStore, smartphone or tablet device Android 4.4, download the free App EVconnect Evco;

Once downloaded, click on the EVconnect App icon;

Open the Bluetooth connection: connect;

The password is requested: enter the password "426" and confirm;

All Koala containers with a Bluetooth interface module BLE 4.0 are displayed on the smartphone / tablet. Each refrigerated container is identified by name and serial number (ex: "Koala 1300- matr.0156");

It is possible for each container to display the controller setting parameters and the measured temperature values. It is possible to display an instantaneous graph of the reheated temperatures or generate exportable CSV files (for example for sending via e-mail).

The App allows you to view the following functions:

- HACCP: Allows you to select a time interval (Today, Yesterday, Last 7 days, Choose Date) and to view the temperature data detected in the selected time interval. It is possible to print PDFs of the detected graphics and it is possible to download the data (exportable CDV files);
- MAINTENANCE: Allows to view all the parameters of the controller, divided into parameters Real Time, Service, Alarms, Parameters;
- REAL TIME: It allows to view the Real Time parameters;
- ALLARM: Allows to display the Alarm parameters.

3.6 Loading instructions

Open the container using the special locking levers / handles.
The container is suitable for contact with food; this means that loose or unpacked food can be stored inside it.

The purpose of Koala containers is not to heat or cool the products, but to guarantee that they maintain their temperature. Therefore it is mandatory to load the goods inside the container at the temperature required.

It is advisable to place the products without the cardboard packaging, as they slow down the penetration of the cold.

To avoid the dispersion of thermal energy it is advisable to keep the container open for the shortest possible time.

Some Koala models allow to transport GN size pans.

Close the container by acting on the appropriate closing levers / on the handle.

3.7 Transport instructions

- Handling operations must be carried out exclusively by trained personnel duly aware of the risks involved.
- Before moving the container, make sure that the lid or the door is closed.
- The loaded container may reach a considerable weight; therefore it is advisable to lift and move it carefully, using, where necessary, dedicated trolleys. See all models of trolleys available in MELFORM catalog.
- Lift/transport the container only by the handles and never using the locking levers. If the container is lifted/transported using the locking levers, the lid may open and the container may fall to the ground.
- Use the appropriate handles to move the container provided with wheels or trolley.

- When moving the container, pay the utmost attention to avoid collision with objects or people.
- In case of multiple deliveries with the same container, do not leave it open as this will cause considerable heat dispersion.

3.8 Instructions in case of prolonged disuse

If the container is not used for a prolonged period of time, carry out the following operations:

- remove all the products from the container;
- switch off the cooling unit by pressing 0 on the main switch O/I (Drawing 3 - A).
- Pull out the plug connected to the electricity main (or battery) and the plug connected to the appliance. Store the cable in a safe place and protect it against damp;
- clean the container as indicated in paragraph 4.1 "Washing instructions";
- leave the lid (door) open for a few hours to prevent unpleasant smells.

3.9 Koala cables

We recommend the use of original cables only. Different connections must be assessed and made by qualified personnel. To prevent drops in voltage and losses of power, the cable must be as short as possible and must not be sectioned; therefore, it is necessary to avoid using additional switches, plugs or junction boxes. The section of the cable must be chosen in accordance with its length.

In particular:

For connection to the 12/24 V DC power supply:

- 2P Cable 2 metres long, section 2,5 sqmm;
- 2P Cable 2 metres long, section 6 sqmm;
- 2P Cable 6 metres long, section 6 sqmm;
- 2P Cable 6 metres long, section 10 sqmm.

For connection to the alternate power supply 230V CA. 50/60Hz:

- 3P Cable 2 metres long, section 0,75 sqmm.

In case of installation of multiple Koala containers on the same vehicle, we recommend to refer to the Melform customer care , to evaluate the correct current inputs and the sections of the power cables, to guarantee the correct operation of the system.

4. MAINTENANCE

4.1 Washing instructions

Regularly clean the container inside and outside , observing the following instructions:

- Before cleaning the container, switch off the cooling unit by pressing 0 on the main switch O/I (Drawing 3 - A).
- Pull out the plug connected to the main power (or battery) and the plug connected to the appliance. Store the cable in a safe place and protect it against damp.
- Clean the container using a cloth and warm water; for the purposes of hygiene, always dry the container using disposable cloths or paper (never reusable cloths).
- Do not use metal or synthetic scouring pads, only soft brushes with natural or plastic bristles.
- Do not use abrasive powder, ammonia, acid or solvent.
- It is possible to use soap solutions.
- Do not use steam jet or pressurized appliances.
- Ensure that the water does not penetrate the power and regulation controls, vents or appliance socket.

4.2 Defrosting instructions

If the external temperature and humidity are high and the lid (door) is opened frequently, a layer of frost will gradually develop on the surface of the evaporator. This layer acts as insulation and, if it exceeds the thickness of 3 mm, may reduce cooling efficiency. This event requires regular defrosting, as follows:

- remove all the products from the container;
- switch off the cooling unit by pressing 0 on the main switch O/I (Drawing 3 - A).

- Pull out the plug connected to the electricity main (or battery) and the plug connected to the appliance. Store the cable in a safe place and protect it against damp;
- leave the lid (or door) of the container open, until the layer of frost has completely melted. Do not try to speed up the defrosting process using heaters or remove frost using knives or other sharp objects;
- dry the container using a disposable cloth or paper.

The container is now ready to be used.

ORDINARY MAINTENANCE

PART TO CHECK	FREQUENCY	TYPE OF CHECK
Power cable and main plug	6 months	Check that they are neither damaged nor too old. Replace them if necessary.
Seal	6 months	Check the condition. Replace it if broken or worn.
Formation of frost on the surface of the evaporator	Weekly	If the layer of frost is more than 3 mm thick, defrost (following the instructions given in paragraph 4.2 "Defrosting instructions").

4.4 Solving problems

The table below lists the major faults that can be found on the refrigeration unit, with indication of the possible causes and interventions for recovery.

Do not work on the refrigeration unit if it is covered by warranty: the warranty shall become null if the product is repaired or tampered with by unauthorized third parts.

It is recommended that you contact a qualified technician for the restoration of the capabilities of the refrigeration unit and that you contact your local distributor or the Melform customer care for any assistance and for original spare parts.

FAULT	POSSIBLE CAUSE	TYPE OF INTERVENTION		
The cooling unit does not operate with a 12/24V DC power supply	<p>a) The cooling unit is not connected to the 12/24V DC power supply</p> <p>b) The 12/24V DC line fuse has blown</p> <p>c) The battery is dead</p> <p>d) The main switch 0/I (Drawing 3 - A) is faulty</p> <p>e) The electric wiring is disconnected</p>	<p>a) Connect the cooling unit to the 12/24V DC power supply. Check the 12/24V DC power cable and replace it if necessary.</p> <p>b) Install a new fuse on the 12/24V DC line. (the fuse is located near the 12/24V DC socket (Paragraph 4.6). Investigate the cause of the failure (likely short circuit or momentary voltage overload).</p> <p>c) Test the battery and charge it or replace it.</p> <p>d) Check the main switch 0/I (Drawing 3 - A) and replace it if necessary.</p> <p>e) Restore the wiring as shown in the wiring diagram.</p>	<p>c) The main switch 0/I (Drawing 3 - A) is faulty</p> <p>d) The electric wiring is disconnected</p>	<p>(paragraph 4.6) failure (likely short-circuit or momentary voltage overload).</p> <p>c) Check the main switch 0/I (Drawing 3 - A) and replace it if necessary.</p> <p>d) Restore the wiring as shown in the wiring diagram.</p>
The cooling unit does not operate with 230V AC 50/60 Hz power supply	<p>a) The cooling unit is not connected to the 230V AC 50/60Hz power supply</p> <p>b) The fuse of the 230V AC 50/60Hz line is faulty</p>	<p>a) Connect the cooling unit 230V AC 50/60Hz power supply. Check the 230V AC 50/60Hz power cable and replace it if necessary.</p> <p>b) Install a new fuse on the 230V AC 50/60Hz power line (the fuse is located on the 230V AC. 50/60Hz socket)</p>	<p>f) The temperature regulator is not set correctly</p> <p>g) The cooling system has failed</p>	<p>a) Check that the ventilation grilles are free.</p> <p>b) Let air circulate in the area where the cooling unit is located.</p> <p>c) Defrost as indicated in paragraph 4.2.</p> <p>d) Cool the products before putting them in the container.</p> <p>e) Check lid (or door)closing and possibly replace the seal.</p> <p>f) Check the setting of the temperature regulator and change the set-point value if necessary (see paragraph 3.4 "Activation").</p> <p>g) Contact the service center.</p>
The cooling unit does not maintain the set temperature			<p>a) The ventilation is not sufficient for the cooling</p> <p>b)) The room temperature is too high</p> <p>c) The evaporator is covered in frost</p> <p>d) The products are stored at an excessively high temperature</p> <p>e) The lid (or door) does not close correctly</p>	

The temperature regulator is turn off	<ul style="list-style-type: none"> a) The environment is too bright b) The main power cable/battery is not connected c) The main power cable /battery is damaged d) The temperature regulator electronics have failed 	<ul style="list-style-type: none"> a) Cover the temperature regulator. b) Insert the plugs into the right sockets c) Check the power cable to the grid/battery and replace it if necessary. d) Check the temperature regulator and replace it if necessary
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The temperature regulator flashes continuously	<ul style="list-style-type: none"> a) Faulty electrical contact b) The temperature regulator is faulty 	<ul style="list-style-type: none"> a) Check the correct supply of the temperature regulator. b) Check the temperature regulator and replace it if necessary.
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The temperature regulator displays numbers outside of the standard numbering	<ul style="list-style-type: none"> a) The temperature probe is faulty b) The connection of the probe with the temperature regulator is not correct 	<ul style="list-style-type: none"> a) Check the temperature probe and replace it if necessary. b) Check the connection of the probe with the regulator and restore it if needed.
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The temperature regulator displays flashing errors E1 or E2	<ul style="list-style-type: none"> a) The temperature regulator has lost its programming 	<ul style="list-style-type: none"> a) Reprogram the temperature regulator by entering the correct parameters as indicated in paragraph 4.5 "Resolution of E1 or E2 errors on the temperature regulation device".
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The temperature regulator is turned on but the compressor does not start with 12/24V DC power supply	<ul style="list-style-type: none"> a) The pickup voltage is lower than 11V b) The cable sections are not correct (inadequate extensions) c) The temperature regulator is not set correctly 	<ul style="list-style-type: none"> a) The battery is dead: recharge or replace it if necessary b) Check the power cables and replace them if necessary c) Check the setting of the temperature regulator and change the set-point value if necessary (see paragraph 3.4 "Activation").
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The temperature regulator is turned on but the compressor does not always start with 12/24V DC power supply	<ul style="list-style-type: none"> a) The pickup voltage is in the range 11V to 11.5V (22V e 22.5V) b) The cable sections are not correct (inadequate extensions) c) The room temperature is too high 	<ul style="list-style-type: none"> a) The battery is almost drained: recharge or replace it if necessary. b) Check the power cables and replace them if necessary. c) Let air circulate in the area where the cooling unit is located.
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The refrigeration unit drops in temperature only by a few degrees, but works regularly	<ul style="list-style-type: none"> a) Partial leak of gas b) Insufficient supply voltage 	<ul style="list-style-type: none"> a) Check pressure and temperature within the refrigeration circuit (contact a cooling unit technician or the technical service to locate the leak and refill the gas). b) Ensure that the power supply is suitable.
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The refrigeration unit is noisy and has strong vibration

a) Noisy fans

a) Check the operating status of the fans and replace them if necessary.

b) Motor unit not properly fixed

b) Check the correct mounting of the motor unit and restore it if needed.

The refrigeration unit falls over and overturns

a) Position the container on a flat surface. Open the cover of the refrigeration unit, inspect the status of the components, check the pipes and electrical connections. If you are having no special problems, wait at least 1 hour before restarting the refrigeration unit.

4.5 Resolution of E1 or E2 errors on the temperature regulation device**Error E1:**

The error "E1" reported on the temperature regulator indicates "Defrost probe S2 faulty"; to eliminate it (considering that probe 2 is not physically present), you must perform the following procedure:

- turn on the refrigeration unit, and wait for the display of the error "E1". Wait for the end of the instrument switch on stage;
- press simultaneously the buttons PRG and SET (Drawing 3 - C) for about 5 seconds: the display shows the value (0);

- set the password "22" pressing the UP button (Drawing 3 - D);
- press the SET button (Drawing 3 - C) to confirm the password;
- with the buttons UP (Drawing 4 - D) and DOWN (Drawing 3 - E) display the parameter "/A2" in the ASSISTANCE function ();
- when the parameter "/A2" is displayed, press the SET button (Drawing 3 - C);
- the display shows the value associated with the parameter (2);
- with the buttons UP (Drawing 3 - D) and DOWN (Drawing 3 - E) select the value (0);
- press the SET button (Drawing 3 - C) to confirm the value (0) set;
- press the PRG button for about 5 seconds to finish and store the changes.

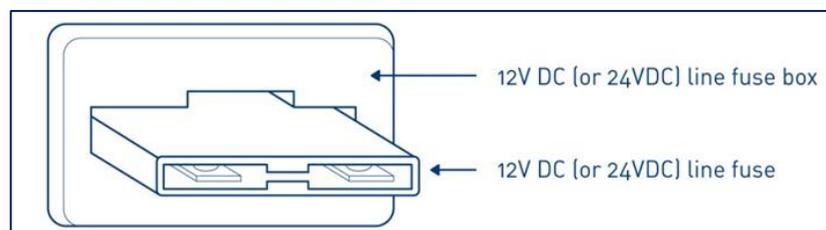
Error E2:

The error "E2" reported on temperature regulator indicates "Defrosting probe S3 faulty", to delete it (taking into account that probe 3 is not physically present), you must perform the following procedure:

- turn on the refrigeration unit, and wait for the display of the error "E2" waiting for the end of the instrument switch on stage;
- press simultaneously the buttons PRG and SET (Drawing 3 - C) for about 5 seconds: the display shows the value (0);
- set the password "22" pressing the UP button (Drawing 3 - D);
- press the SET button (Drawing 3 - C) to confirm the password;
- with the buttons UP (Drawing 3 - D) and DOWN (Drawing 3 - E) display the parameter "/A3" in the ASSISTANCE function ();
- when the parameter "/A3" is displayed, press the SET button (Drawing 3 - C);
- the display shows the value associated with the parameter (2);
- with the buttons UP (Drawing 3 - D) and DOWN (Drawing 3 - E) select the value (0);
- press the SET button (Drawing 3 - C) to confirm the value (0) set;
- press the PRG button for about 5 seconds to finish and store the changes.

4.6 Replacing the protective fuse

The Koala Line containers are equipped with protection fuse (15 A or 25A or 30A, depending on the versions) on the 12V DC line (or 24V DC), located near the 12V DC (or 24V DC) socket (Drawing 2).

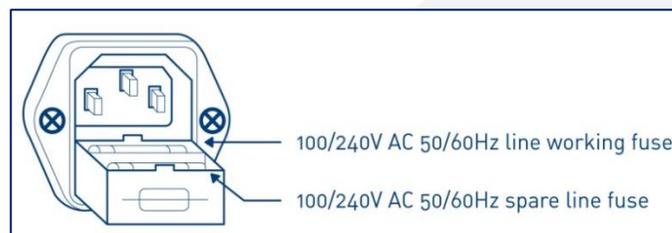


Drawing 4: 12V DC line fuse (or 24V DC)

To replace the fuse on the 12/24V DC line, proceed as follows:

- pull out the plug connected to the 12V DC (or 24V DC) power line and the plug connected to the appliance;
- pen the fuse box using a tool (e.g.: the tip of a screwdriver);
- replace the fuse and insert it into the fuse holder;
- plug in the plug connected to the appliance and the socket to the 12V DC (or 24 V DC) power line.

The Koala Line containers is provided with a 4A protection fuse on the 230V AC 50/60Hz line, located on the 230V AC 50/60Hz plug.



Drawing 5: 230V AC 50/60Hz line fuse

To replace the fuse on the 230V AC line, proceed as follows:

- pull out the plug connected to the AC power line and the plug connected to the appliance;
- open the fuse box using a tool (e.g.: the tip of a screwdriver);
- remove the working fuse;
- replace the fuse with a spare (replace the spare fuse too);
- close the fuse box;
- plug in the plug connected to the appliance and the plug connected to the AC power line.

5. DISPOSAL

5.1 Packing

The packing material (cardboard, polyethylene film) is 100% recyclable. The user is responsible for disposal in observance of the local regulations.

5.2 Disposal of the product in EU territory



The product is an appliance falling within the field of application relating to the use of electric and electronic substances and appliances subject to specific disposal. The legislation states that the appliances must not be disposed of with solid urban waste.

The crossed waste bin symbol on the product or the packaging means that the appliance (cooling unit, temperature regulator) must be disposed of separately in order to optimise the rate of recovery and recycling of the component materials and prevent damage to health and the environment.

It is the responsibility of the user to dispose of the product delivering it to a designated collection point for recycling and disposal of electrical and electronic equipment.

The body of the container and the lid (or door) are made of recyclable material and can be eliminated in an eco-compatible way. The materials used to make the body and lid (or door) are:

- Polyethylene (inner and outer walls of the container and lid or door);
- Polyurethane (insulating material between the walls of the container and lid or door).

For more information on proper disposal, contact the local authority responsible for the disposal of waste.

6. REFRIGERANT GAS

The cooling gas (R134a or R452A, depending on the models) used in the cooling circuit of the Koala Line containers are compliant with European standards.

The cooling circuit is hermetic, without the possible leakage of coolant under normal conditions of operation and use.

The compressor used is hermetic, designed for applications in motion.

7. DECLARATION OF CONFORMITY

All the products are provided with instruction manual, CE declaration of conformity and technical data sheet.

Grazie per aver acquistato un prodotto MELFORM!



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