



PF18

**DOSS 18L PORTABLE FRIDGE DC12V/24V
COMPRESSOR REFRIGERATOR**



Caution: Read the instructions and safety warnings carefully before using the refrigerator.

DESCRIPTION

The YCD15/18A represent professional refrigerators that can only be attached to the inside of motor vehicles. They are powered by a 12-24 VDC direct-power supply, which can be accessed directly from the cigarette lighter, found in the passenger compartment of the vehicle itself.

They can be used both as refrigerators and freezers.

They are made up of a:

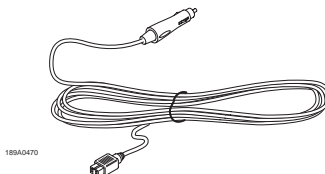
- plastic external structure;
- plastic internal compartment access door;
- internal, insulated compartment, for holding products;
- compressor cooling unit;
- control panel;
- power cable.

They are also equipped with a strap, so that they can be easily transported and used even outside, after having disconnected the power cable.

YCD15/18A



DC POWER CABLE



DATA SHEET

MODEL	YCD15A	YCD18A
E xternal dimensions (HxLxD)	360x235x565 (mm)	405x235x565 (mm)
N et weight	8,5 Kg	9,5 Kg
I nstalled power	35 W	35 W
S upply voltage	DC 12-24 V	DC 12-24 V
E lectrical power (within the shell)	Fuse 10A	Fuse 10A
T emperature setting	+10 to -18 °C	+10 to -18 °C
C ooling system	Danfoss BD Micro (Bd1.4F)	Danfoss BD Micro (Bd1.4F)
R efrigerant gas	R134a - CFC Free	R134a - CFC Free
F itting kit	Optional	Optional
I nsulation	CFC Free PU Foam	CFC Free PU Foam



INSTALLATION

- Place the refrigerator on a dry, protected surface, away from corners. Do not use the refrigerator in uncovered, outdoor areas or areas exposed to the elements.
- The refrigerator requires good ventilation. Leave a space of at least 15 cm across all its sides.
- Avoid placing the refrigerator near to a heat source, for example, a cooker, radiator or exposing it to direct sunlight.
- To ensure fixed installation within the vehicle and to avoid damaging the appliance during transportation, we recommend fixing the refrigerator using metal brackets, placed on its sides.
- Do not place ice or liquids which are not sealed in containers within the refrigerator.
- Do not place hot products within the refrigerator.

ATTACHMENT OF THE REFRIGERATOR IN THE VEHICLE

In order to use the refrigerator within the vehicle, you must firmly fix it in the compartment using a Kit which includes relevant strap and brackets, supplied separately as an option.

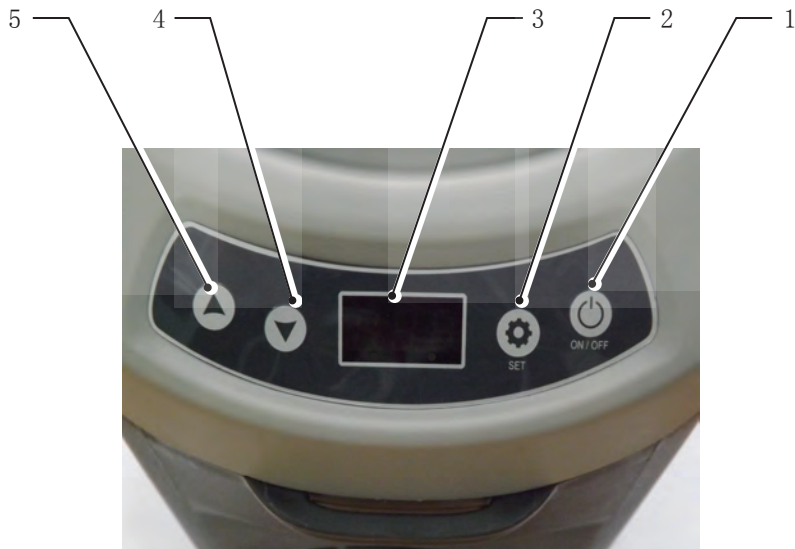
The refrigerator is equipped with relative plug, which must be connected to the cigarette lighter outlet.

In the instance where the above mentioned cable is not used and the supply comes directly from the vehicle battery, use cables with suitable sections and lengths (see following table) and protect the line with a 10 Amp fuse.

CABLE SECTION	MAX. LENGTH CABLE METRES	
	12V	24V
2,5 (AWG 13)	2,5 (8 FT)	5 (16FT)
4 (AWG 11)	4 (13 FT)	8 (26 FT)
6 (AWG 9)	6 (20 FT)	12 (40 FT)



CONTROL PANEL DESCRIPTION



- 1 Start key
- 2 SET Battery protection key
- 3 Display
- 4 Temperature decrease or scroll menu key
- 5 Temperature increase or scroll menu key

To increase the temperature of the cooling compartment press key 5 until the desired value appears on the display.

To decrease the temperature of the cooling compartment, press key 4 until the desired value appears on the display.

The refrigerator will maintain this set value up until it is modified once again.

The refrigerator includes a settings menu, from where it is possible to modify values and thresholds set by the manufacturer, more specifically:

- 1 (OFS) OFF-SET value
- 2 (F-C) Fahrenheit or Centigrade settings

To access the menu, press, with the refrigerator powered but off, keys 2-4-5 at the same time for a few moments.

To scroll through the various functions within the menu, use keys 4 and 5, to change the parameters of the selected function, press key 2, the value will begin to flash, set the desired value, again using keys 4 and 5. The new value will be saved.

If no keys are pressed, you will automatically exit the menu mode.

BATTERY PROTECTION LEVEL

It is possible to set three different battery protection threshold levels:

Battery protection	Display	12V	24V
MIN.	1 Bar — — —	9.6	21.3
MED.	2 Bar == == ==	10.1	22.3
MAX.	3 Bar == == ==	11.1	24.3



OFF-SET VALUE

The OFF-SET value refers to the difference between the temperature inside the cooling compartment and the temperature set and presented on the display.

It is possible to set three different OFF-SET levels dependent on the temperature set on the display. The recommended OFF-SET value is 2°C, in order to achieve a temperature within the cooling compartment which corresponds with the temperatures presented on the display.

Note: we do not recommend modifying the preset OFF-SET values.

- With temperatures greater than -6°C , set the value to OF1 which will provide a maximum difference of 2°C between the compartment temperature and the temperature on the display



- With temperatures between -7°C and -12°C , set the value to OF2 which will provide a maximum difference of 4°C between the compartment temperature and the temperature on the display



- With temperatures inferior to -13°C , set the value to OF3 which will provide a maximum difference of 4°C between the compartment temperature and the temperature on the display



To set the temperature unit of measurement to degrees Fahrenheit or Centigrade, activate symbols **F** or **C**



FAULTS

Any operation faults will be displayed after 90 seconds and will be presented on the display with the following codes:

1	Insufficient voltage (Voltage below the cut-out value):	E1
2	The ventilator is sending the control unit a value which exceeds 0.6A:	E2
3	The compressor is blocked:	E3
4	The cooling system holds too much gas and the compressor is not able to operate at the minimum number of revolutions/rpm:	E4
5	The ambient temperature is too high:	E5
6	The thermostat has short-circuited or is not correctly connected to the control unit:	E6

REPLENISHMENT

Avoid placing hot food in the refrigerator. Place the products so that they do not knock against each other or break when the vehicle is in motion.

Ensure that the lid is always firmly on and reduce the time it is left open to the minimum possible.

MAINTENANCE



Caution

Before carrying out any maintenance operations on the refrigerator, disconnect the power cable from the plug.

CLEANING

Regularly clean the inside of the refrigerator using baking soda dissolved in warm water.

Do not, in any case, use abrasive products, detergents or soaps; after washing, rinse with clean water and carefully dry.

Where the refrigerator is not being used, thoroughly clean and dry the inside in order to avoid the formation of mould or foul odours.

HELPFUL ADVICE

Where the refrigerator does not function or functions incorrectly, before contacting one of our technical assistance centres, ensure that:

- a) there is a power supply.
- b) the voltage complies with that indicated on the plate.
- c) the connections and poles are correct.
- d) the ventilation grids are not obstructed.
- e) the fridge unit is not placed near to a heat source.
- f) the power supply fuse is not interrupted.



Caution

The power cable must only be replaced by qualified technical personnel and by an assistance body authorised by the Manufacturer.

Indel B will not assume any responsibility in the instance where the instructions in this present manual are not fully respected.