

OPERATING INSTRUCTIONS: Under Counter

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All information are subject to change without prior notice.

General Hazards

All moving parts of the refrigerator are suitably guarded and the moving parts can only be accessed by using tools which should only be attempted by a qualified person.

Electrical Connection

This product is supplied with a moulded plug which needs a suitable socket. This cabinet should not be used outside and should be used in a dry environment. The plug needs to be accessible once the equipment is placed in its final position. Should the plug need changing, this must be done by a qualified person.



Unpacking

Leave all packaging in place until refrigerator is in its final position to avoid damage. When the cabinet is in its final position, carefully remove all packaging and check for damage. Any damage should be reported immediately to your dealer. All packaging should be carefully disposed of and recycled where possible.

Installation

The cabinet is very easy to move around as most precision products are supplied on castors. If for any reason the cabinet has to be laid down, it should always be laid on its back and not its side or front to avoid damage. When lowering or raising the cabinet extreme care should be taken as the casters can run away whilst lifting or lowering. A person should always be standing at the base of the cabinet whilst it is being lowered or raised. Cabinet should not be plugged in for at least 1 hour if it has been laid down or tipped during installation.

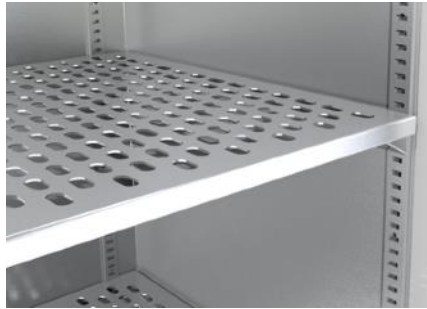
This product must be placed on a level floor to ensure the automatic door closing and correct draining of condensate. This is especially important with freezers.

Ventilation

Refrigeration equipment generates a lot of heat. A 2 door freezer cabinet for example gives off the same heat as a 3kW electric heater. Therefore, it is very important that the cabinet must be installed with sufficient space around it for ventilation and for maintenance access. Ventilation grills must not be blocked, or even partially blocked as this could affect the cabinet's performance and life span.

Shelves / Pans / Slides

Cut the nylon ties holding the shelves in position for transportation. Fit the shelves in the correct position to suit the user.





Adjustable Legs / Levelling Feet

Models fitted with adjustable legs or levelling feet can be levelled by screwing the legs/feet in or out to the desired height.

Controller Display- Under Counter



Initial Start Up

Plug the moulded plug into a suitable socket. If necessary, push the  button on the controller to start the unit. The cabinet air temperature will be displayed once the unit is running. To standby the unit when running, press and hold the  button for 3 seconds.

Checks

After initial start up, after 3 minute time delay the cabinet should start to pull down to the preset temperature, check that the temperature is reducing and listen inside and outside the cabinet to make sure the fans are turning freely to check there has been no movement in shipping. If time permits, stay with the cabinet until the preset temperature is reached and the condensing unit cuts out. The preset temperature can be checked by pressing the set button on the controller.

Using Your New Piece Of Refrigeration Equipment

Refrigerant and Freezers

The cabinet must reach its preset operating temperature before loading any produce. Ensure stored products are evenly distributed on shelves ensuring that no more than 40kg are placed on each shelf.

Cover all foods ensuring that cooked and raw foods are kept separate to avoid cross contamination.

Warm or hot food products should never be stored inside the cabinet.

Food products containing acetic acids or yeast should be covered or ideally stored in airtight containers otherwise premature failure of the refrigeration system may occur.

Commissioning Instructions


Refrigerators +1°C to +4°C

Temperature Setting

Refrigerators are designed to operate between +1°C and +4°C. The control is preset at the factory for this temperature and should require no readjustment.

The temperature setting can be checked by pressing the SET button. This setting can then be changed to better meet site conditions by pressing the arrows and then SET to confirm. (Refrigerators have a maximum setting of +10°C and a minimum of +1°C.) The temperature set is the cut out (stopping) temperature, the cut in (starting) temperature is determined by the differential.

Defrosting

Precision refrigerated cabinets are fitted with a fully automated defrost system that ensures the cooling system remains free from ice under normal conditions. If a manual defrost is required, this can be activated by pressing  for 3 seconds which will terminate automatically once the pre-programmed temperature has been reached.

Freezers -18°C to -20°C

Temperature Setting

Freezers are designed to operate between -18°C and -20°C. The control is preset at the factory for this temperature and should require no readjustment.

The temperature setting can be checked by pressing and holding the SET button. This setting can then be changed to better meet site conditions by pressing the arrows and then SET to confirm. (Freezers have a maximum setting of -22°C and a minimum of -18°C.) The temperature set is the cut out (stopping) temperature, the cut in (starting) temperature is determined by the differential.

Defrosting

LPU 150 requires manual defrost.

Maintenance

The cabinet is fully automatic and apart from cleaning needs very little maintenance.

Interior and exterior should be cleaned with soap and water and no abrasives should be used as they will scratch and spoil the stainless steel finish. Interior shelving and racking can be removed on most models for easy cleaning. Counter drawer sets can be fully removed and the drawers can be washed in a dish washer if needed.

Maintenance and Cleaning

Before cleaning and maintenance, the cabinet should be unplugged from the power supply.

Door Gaskets should be cleaned with warm soapy water and inspected on a regular basis and if damaged they should be replaced. Cooking oils and harsh cleaning detergents will shorten the life of the gaskets and contact should be avoided.

Gasket Replacement

Damaged gaskets can easily be replaced. Remove the old gasket by gently pulling it out of the gasket retainer and simply push in the new gasket leaving the corners until last.




End of Life Disposable Requirements

Refrigerated cabinets have components that could be harmful to the environment. All end of life equipment must be disposed of in accordance with national laws and regulations.

Fault Finding

In the event of cabinet fault/failure, please check the following:



1. Plug is in socket and power to the socket can be proven by plugging another appliance into the same socket or swapping the problem cabinet to a socket that is known to work.
2. The fuse located in the plug is intact.
3. The condenser is clean and free from dust or debris.
4. Door gasket is sealing and free from damage.
5. Check if the evaporator is iced up, if found to be iced up press and hold  to activate a manual defrost cycle.

If this doesn't solve the problem, please call a qualified technician.

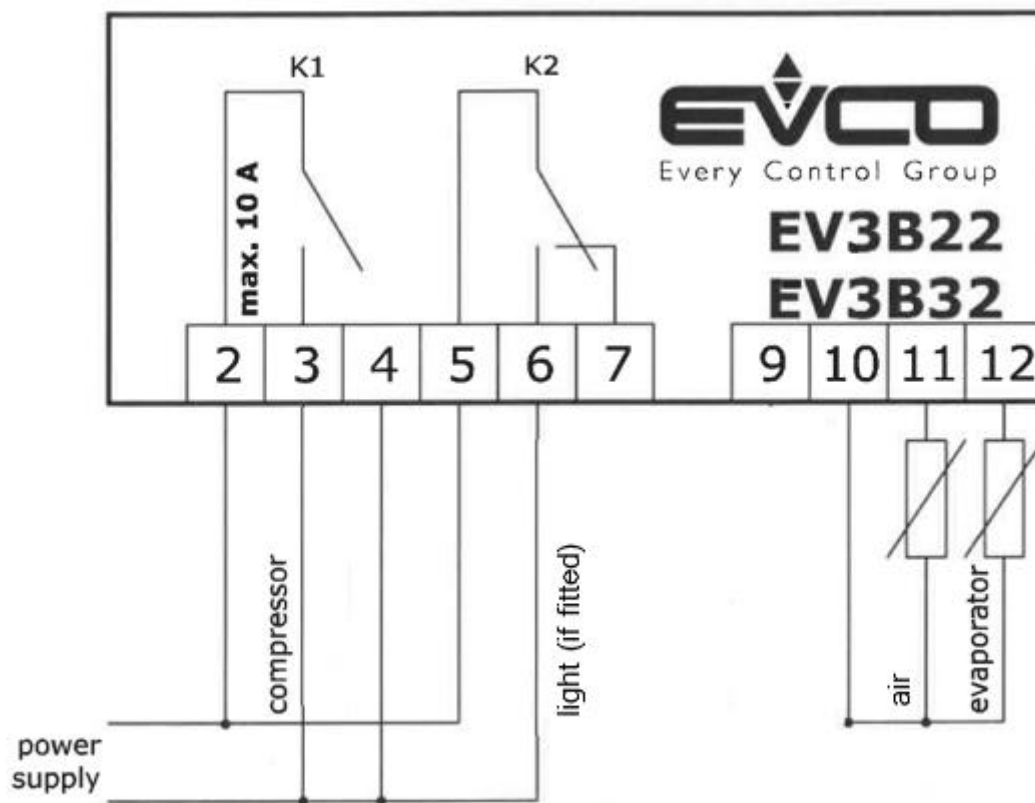
When requesting a service call, please find the manufacturers data plate and provide the model, serial number and details of any fault codes that are displayed.

Alarms

The controller is equipped with visual and audio alarms:

Alarm Displayed	Description	Action Required
AH	High Temperature Alarm	Press a button to cancel / check
AL	Low Temperature Alarm	Press a button to cancel / check
Pr1	Probe T1 Failure	Call Engineer
Pr2	Probe T2 Failure	Call Engineer
	Cabinet In Standby	Press  for 3 seconds
DEF	Defrost In Operation	None - No Fault
LOC	Controller Locked	None - Press & Hold SET For 3 Seconds

Press any button on the controller to silence an alarm.



Model:

Serial Number:

GWP Values for Refrigerants:

R1234Ze - ~ 1

R290 - 3

R134a – 1300

R404a – 3943

These units contain fluorinated greenhouse gases covered by the F Gas directive

Declaration of Conformity References:

Low Voltage Directive 2006/95/EC

EC Machinery Directive 2006/42/EC

Electromagnetic Compatibility Directive 2004/108/EC

Pressure Equipment Directive 97/23/EC

RoHS / WEE Directive 2002/95 EC

