

# OPERATING INSTRUCTIONS:

## CCB / CCT 550 Glass Door Merchandiser V2/2017



***This page is intentionally left blank!***

## Contents

General Hazards	4
Electrical Connection	4
Unpacking	4
Installation	4
Ventilation	4
Shelves / Pans / Slides	5
Fitting the Shelves	5
Gasket Replacement	5
Replacing the LED Tube	5
Removing Cassette Bottom Mount	6
Removing Cassette Top Mount	7
Initial Start Up	8
Checks	8
Using Your New Piece of Refrigeration Equipment	8
Commissioning Instructions	9
Fault Finding	10
Alarms	11
LAE Controller Wiring Diagrams	12
Notes	13

All information is subject to change without prior notice.

## General Hazards

All moving parts of the refrigerator are suitably guarded any repairs and maintenance should only be carried out by a qualified professional

## Electrical Connection

This cabinet is supplied with a flexible power cable that has a molded 3 pin plug on the end. The plug needs to be accessible once the equipment is placed in its final position. Do not overload the power supply (see rating label inside cabinet for power supply and current draw) should the plug require replacement please contact a qualified electrician.



## 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 it's 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 cause the cabinet to slip 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. Once in final position lock the two front castors by pushing down on the extended tab.

## Ventilation

For efficient operation of the cabinet, it is essential that adequate ventilation be provided around the refrigeration unit. The maximum recommended ambient temperature (at place of installation) is 43°C, although the cabinet will generally use less power when installed in a cooler location. Refrigeration equipment generates a lot of heat. 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

The shelves may be positioned at different heights to suit various products. Each shelf is held in place by 4 shelf clips which engage in the shelf support strips.

### To Fit the shelves

- 1- Unpack the wire shelves and shelf clips from inside the cabinet.
- 2- Establish the desired position for the shelves and securely engage a shelf clip in each of the shelf support strips
- 3- Sit the shelves on the shelf support clips



Note: Remove some product if the shelves are flexing or bending

## 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.

## Replacing LED Light Tube

The cabinet has one interior side light. The side light houses one 12 Watt T5 LED tube, which may be replaced without removing shelves or product from the cabinet.

- 1 - Disconnect the cabinet from the mains power supply.
- 2 – Slide a thin flat head screw driver between the diffuser and the edge its clipped into. Remove the side light diffuser, by sliding the screw driver down the full length of the cabinet until it disengages from the aluminium housing and then lift the diffuser out.
- 3 - The LED tube can now be removed. Revolve the tube until the pin position allows withdrawal.
- 4 - When refitting the new LED tube ensure the printing on the tube is at the bottom, as the tube orientation is important.
- 5 - When refitting the diffuser, engage the back section into the housing, and then compress and snap the front section of diffuser back into place working down the full length of the light.



## Removing Cassette

Should maintenance be required on the cassette the following steps are to be followed;

1. Disconnect the cabinet from the mains power supply
2. Pull on the bottom of the kick panel to dislodge it from the cabinet (fig.1)
3. Lower the kick panel to remove and set aside (fig.2)
4. Using a flat head screw driver undo the 4 screws on the control fascia and remove (fig.3)
5. Using a Phillips head screw driver undo the outermost screws securing the lifting handles (fig.4)
6. Unplug the 4 plugs leading into the electrical compartment (fig.5)
7. Lower the handles to drop the cassette down and slide out to perform work (fig.6)

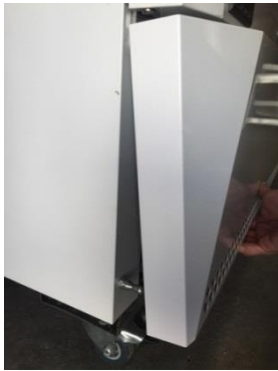


Fig.1



Fig.2

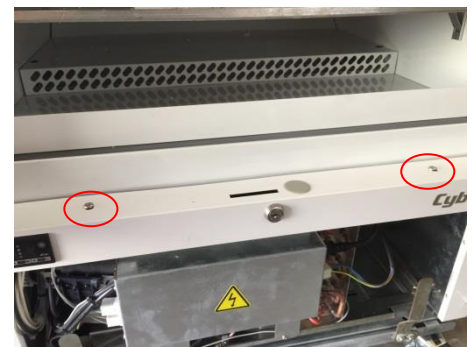


Fig.3



Fig.4

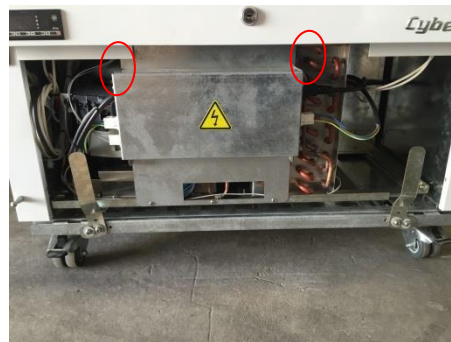


Fig.5

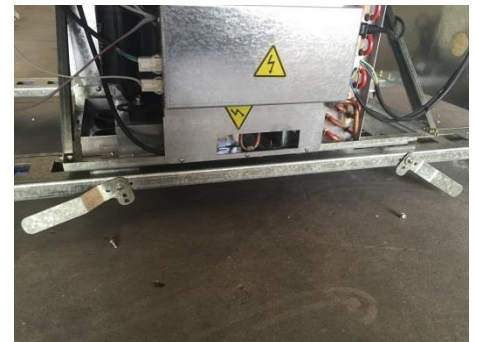


Fig.6



### Removing Cassette – Top Mount

Should maintenance be required on the cassette the following steps are to be followed;

1. Disconnect the cabinet from the mains power supply
2. Pull on the top of the kick panel to dislodge it from the cabinet (fig.1)
3. Lift the kick panel to remove and set aside, this is recommended to avoid causing damage (fig.2)
4. Unplug the 4 plugs into the electrical compartment (fig.3)
5. Undo the 2 bolts holding the cassette on to the cabinet with a number 13 spanner (fig.4)
6. The cassette can now be lifted off the cabinet
7. Should works only be required on the evaporator housing proceed with steps 1, 2, 3, 4 and Then 8
8. Undo the 4 bolts holding the insulated lid, set aside and proceed with required works (fig.5)

NB: The cassette weight is approx. 40kg



Fig.1



Fig.2

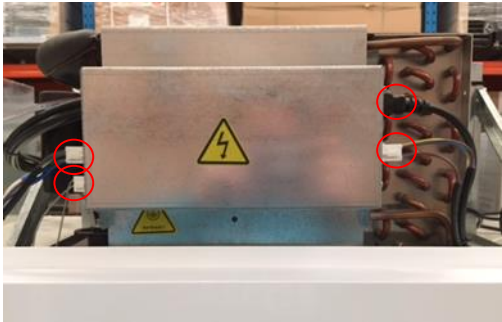


Fig.3





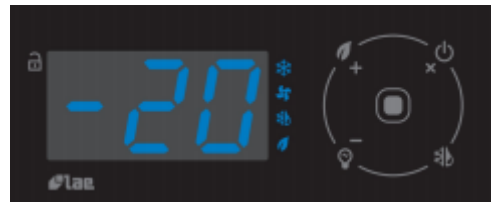
Fig.4













Fig.5

## Initial Start Up

Plug the molded 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.



## Display Legend

LED	BUTTONS
 Thermostat output	 Enter / Confirm
 Fan output	 Decrement / Lights
 Defrost output	 Increment / Eco mode
 Eco mode activated	 Exit / Standby
 Keyboard unlocked (*)	 Manual defrost

(\*) Led off = locked, Led on = unlocked.  
Led will blink to notify the key detection.

## Operations

Unlock	Standby	Eco mode	Manual defrost	Manual lights
				

## Checks

After initial start-up, the cabinet should start to pull down to the pre-set 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 pre-set temperature is reached and the condensing unit cuts out.

## Using Your New Refrigeration Equipment

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. To ensure even product temperature, it is recommended that no food product is stored below the lowest shelf support.

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

Foods 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 depending on the model. The control is preset at the factory for this temperature and should require no readjustment.


The temperature setting can be checked by unlocking the controller by pressing the centre key twice . Once unlocked press the centre key again to display SP, press the centre key again to display the set point. This setting can then be changed to better meet site conditions by pressing the  or  buttons. (Refrigerators have a maximum setting of 10°C and a minimum of -2°C.) The temperature set is the cut out (stopping) temperature; the cut-in (starting) temperature is determined by the differential.

#### **Defrosting**

All CyberChill 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 2 seconds which will terminate automatically once the pre-programmed temperature has been reached.

## 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 condenser is clean and free from dust or debris.
3. Door gasket is sealing and free from damage.
4. Check if the evaporator is iced up, if found to be iced up push and hold  to start manual defrost.

If this doesn't solve the problem, please call CyberChill on 1300 072 000.

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

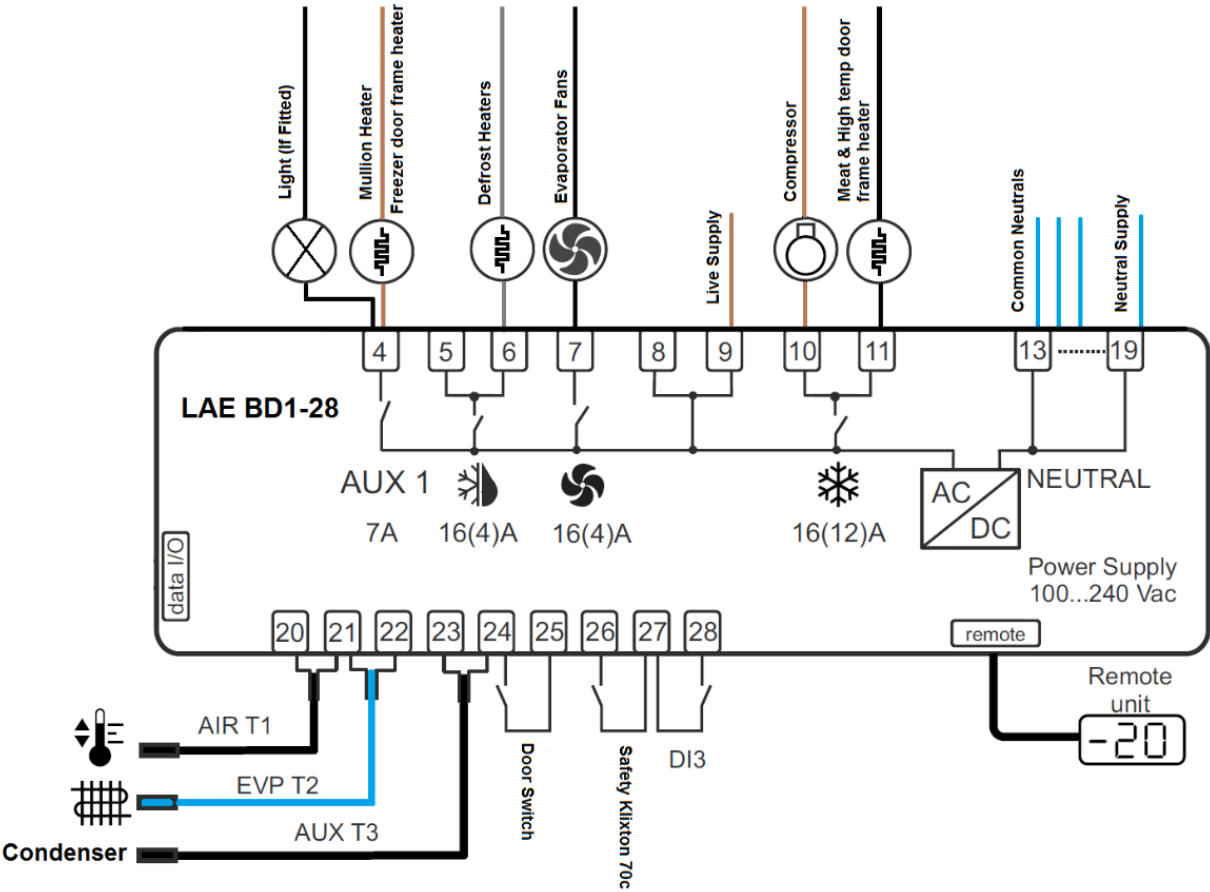
The controller is equipped with visual and audio alarms:

Alarm Displayed	Description	Action Required
do	Door Open Alarm	Close door
hc	Condenser High Temperature Alarm	Check for blockage / clean
hi	High Temperature Alarm	Press a button to cancel / check
Lo	Low Temperature Alarm	Press a button to cancel / check
E1	Probe T1 Failure	Call Engineer
E2	Probe T2 Failure	Call Engineer
E3	Probe T3 Failure	Call Engineer
OFF	Cabinet In Standby	Press  for 3 seconds

Press any button on the controller to silence an alarm.

# Wiring Diagram

**LAE BD1-28 Connection Diagram for Professional Refrigerated Storage Cabinets**





**Model:** .....

**Serial Number:** .....

**AUS Patent App. No. 2015201249**

**NZ Patent App. No. 705857**

**GWP Values for Refrigerants:**

- R1234ze – <1
- R290 – < 3
- R134a – 1430
- R404a – 3922

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

