

USER INSTRUCTIONS

COMMERCIAL FREEZERS & COOLERS

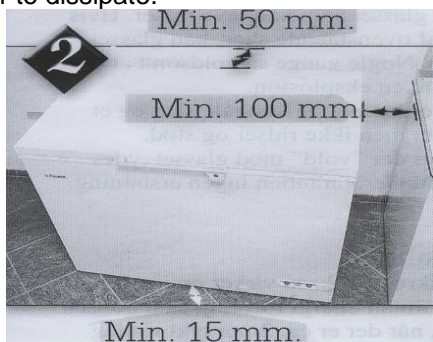
Operating instructions Commercial Freezer/Cooler.

In order to get the max. advantage from your freezer/cooler it is important that it is placed in the correct position. This manual should therefore be read carefully. Keep the manual in a place where it can always be found for reference. Even with careful attention to the freezer, a mishap may occur, with the consequence that the contents of the cabinet could be lost, therefore a product insurance is recommended.

Placing the freezer/cooler.

The freezer/cooler should not be placed where it might be splashed with water, in extreme high humidity or in direct sunlight. Any of these factors may lead to a reduction in performance and shorten the life span of the components. The freezer/ cooler should be placed on a horizontal level, and should not be placed close to a heating appliance or heating tubes.

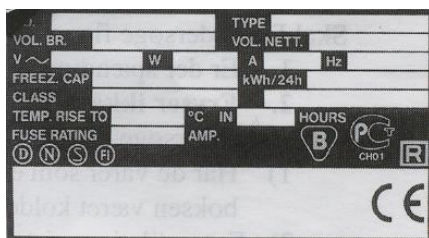
Allow a minimum of 50mm (2") clearance on the side and the back. The side with the ventilation grill should have a clearance of at least 100 mm (4") in order to allow the heat from the compressor motor to dissipate.



Electrical supply.

The electrical supply should always be in accordance with the rating plate on the back of the freezer.

The supply must always be in accordance with the law and regulations regarding electrical safety, if any doubts contact your supplier.



Starting Up.

In case the compressor does not start when the freezer/cooler has been plugged in, the electrical supply may not be in order. Check if there is an electricity supply to the plug or if the fuse is blown.

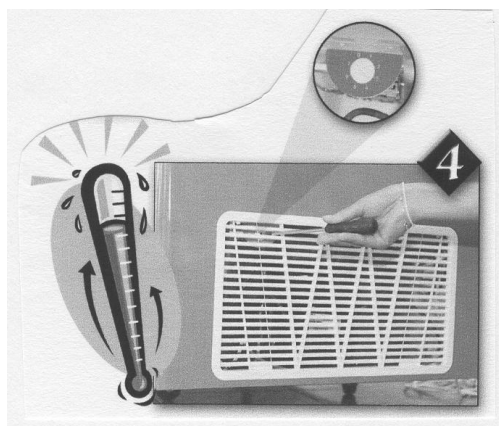
Temperature adjustment.

The thermostat controls the temperature inside the cabinet. The control is placed in the compressor compartment. The higher the number on the dial the lower the temperature. On some models the inside temperature will be displayed on the outside thermometer. A too low temperature inside the cabinet will increase the power consumption. Please check that the temperature is not too low is at an adequate level. When the freezer is loaded with products, please make sure that they have a temperature of at least -20 C

As the appliance is not suitable for freezing products, but meant as a storage unit for pre frozen products. If products warmer than -15 C are placed in the freezer, there are a risk of damaging products already in the freezer. The inside temperature for a cooler should normally be adjusted to +4 C . The products should never be placed above the load line marking inside the cabinet.

Before use.

Before use the interior of the freezer should be cleaned with tepid water and dried off with a clean cloth. Never use soda or an abrasive cleaning agent as they may damage the inner liner.



Operating the freezer.

The empty freezer should be switched on for at least 5-6 hours prior to loading of the freezer.

The freezer should not be loaded above the inside aluminium walls which is also the load line limit.

Please note: After the lid has been opened, there will be a vacuum created inside the freezer due to the low temperatures. Wait a few minutes before trying to re-open the lid otherwise the handle could be damaged.

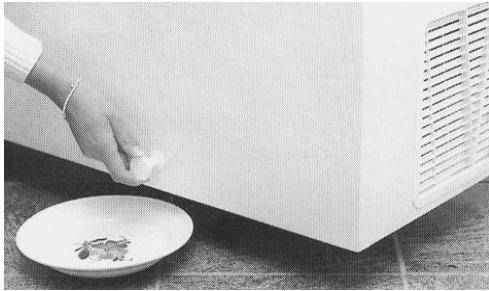
Defrosting.

In order for the freezer to work to its maximum efficiency the cabinet should be defrosted when a approx. 2mm thick ice layer has formed inside the cabinet.

The ice layer is easily removed with a plastic or wooden scraper. Never use a sharp metal object which might will cause damage to the inner liner.

The defrosting frequency is determined mainly by two factors the usage pattern (number of lid openings) and the relative humidity.

Excess water can be drained out by using the drain water outlet on the front of the freezer.



Cleaning.

Cleaning should be done when needed. When used in a dirty environment it might be necessary to remove the compressor compartment and clean the compressor compartment eventually with a vacuum cleaner.

If the cleaning process is neglected there is a risk that the performance of the freezer will be effected, and even damage to the compressor could occur due to overheating.



Cleaning of sliding tracks.

The dust from the sliding track is easily removed with a vacuum cleaner.



By using a cotton swab, the dirt from the sliding track can be removed.

Dip the cotton swab into the water and start scrubbing.

After that, wipe down the sliding track with a clean, damp rag and repeat if necessary.



Storage.

If the freezer is stored for a period of time, the lid should be kept open for free circulation of air inside the cabinet in order to avoid corrosion of the inner liner.

Temperature control LT- freezers.

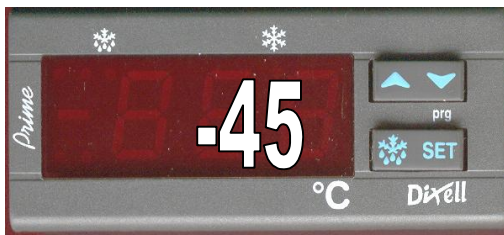
The temperature inside the freezer is controlled by the electronic controller placed in the front grill.

The controller has a digital readout of the temperature inside the cabinet. and the option of changing the wanted temperature.

Factory setting is -45dgr.C (-49dgr.F).

The LT-freezers are delivered with either a Dixell controller or a Beta controller.

Dixell controller.



Functions.

How to see the set point:

1. Press and immediately release the SET key, the display will now show the set point value.
2. Press and immediately release the SET key or wait for 5 seconds to display the probe value again.

How to lock and unlock the keyboard:

1. Press the up and down keys simultaneously for more than 3.seconds.

How to change the set point:

1. Press the SET key for more than 2.seconds to change the set point value.
2. The set point value will be displayed and the LED starts flashing.
3. To change the set point value, push the up or down arrow.
4. To memorise the new setting press the SET key again or wait 15 seconds for the controller to return to normal display of the probe temperature.

Setting the controllers offset value.

The EL-LT freezer is designed for long time and safe storage of sensitive food products. In some situations, the EL-LT freezer is also used for other applications like in laboratories for different low temperature test.

Depending on the actual situation, it might be necessary to change the controllers offset value in order to get a correspondence between the reading on the display and the actual temperature inside the cabinet.

The factory setting is an offset of 0 dgr.C.

The offset can be adjusted in the following way:

Unlock the keyboard.

Enter the programming mode by pressing the SET and arrow down keys for 3 seconds.

Select the parameter "Ot" by pressing arrow up or down key.

Press the SET key to display its value.

Use arrow up or down to change its value. The offset can be adjusted to +/- 12 dgr .C

Press SET to store the new value.

Press SET + arrow up or wait 15 seconds without pressing any key. The new value will now be stored.

Beta controller.



Functions.

How to see and change the set point:

Press SET and hold for 3 seconds.

Press SET and adjust the value with up or down arrow.

Press SET to confirm the new setting, after 10 seconds the controller leaves the set mode and the data will be stored in the memory.

Setting the Beta controllers offset value.

Press SET and hold for 10 seconds.

Press arrow up or down until code "OFS" is displayed.

Press SET to show the set value.

Adjust the value with arrow up or down.

Press SET to confirm the new setting, after 10 seconds the controller leaves the set mode and the new setting will be stored in the memory.

The offset value of the Beta controller can be adjusted to +/- 10dgr.

Trouble shooting.

If the freezer has stopped working, please check the following before calling for service:

Has the freezer been switched of at the mains?

Is the fuse blown?

Is the plug properly in place?

Is the thermostat set correctly?

The freezer is running continuously.

Thermostat is set to a to low temperature, lowest temperature is -45dgr.C at 30dgr.C ambient temperature.

Is the temperature around the freezer higher than 30dgr.C.?

Is there a heavy formation of ice inside the freezer.?

Has the freezer recently been filled with larger amounts of warm products?

Is the compressor compartment clean? The cupper coil inside the compressor compartment should be free from dust and grease.

Note: *Before removing the grill to the compressor compartment the freezer should be disconnected from the mains.*

After having checked the above mentioned points and the freezer is still not working satisfactorily please contact your dealer.

Disposal.

When a freezer is discarded, it must be disposed of in accordance with local legislation.

Glass lids.

The glass lids on the freezer/cooler are as vulnerable as any other glass items for scratches and shock. Therefore you should never place a glass lid directly on the floor if it is without a frame. Also you should not place anything on the glass, which might scratch it, thus avoiding damage or breaking the glass.

The glass is tempered and can sustain pressure but not scratches or shock.

N.B. There will be no compensation for incorrect use.

Service.

Before calling a service engineer, please check:

Not freezing/cooling.

Please check the electricity supply and the fusing.

Temperature to high inside the cabinet.

Has the cabinet been loaded with to warm products?

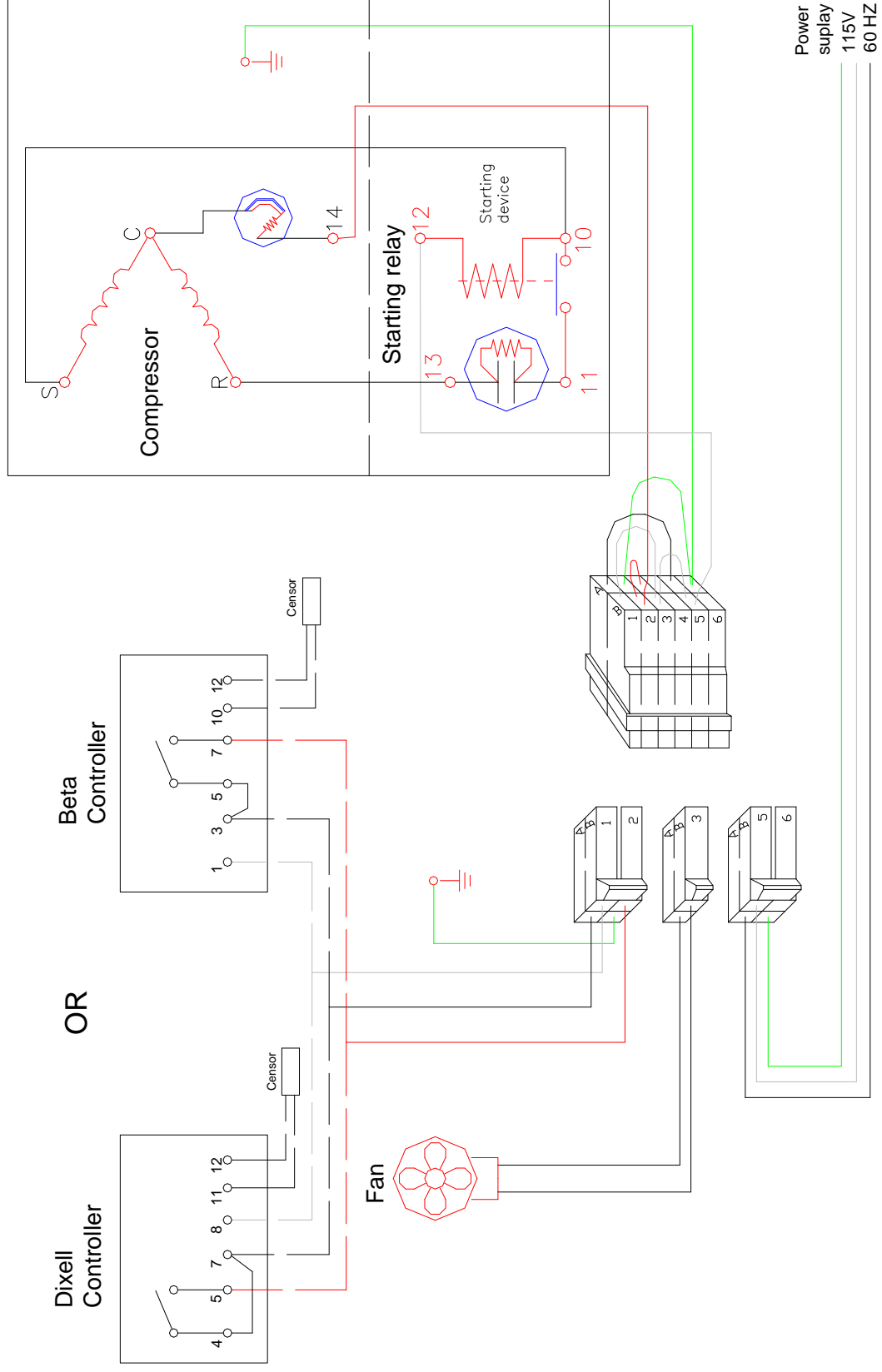
Is the cabinet placed correctly with sufficient ventilation?

Is the thermostat setting correct?

Is the ventilation grill clean?

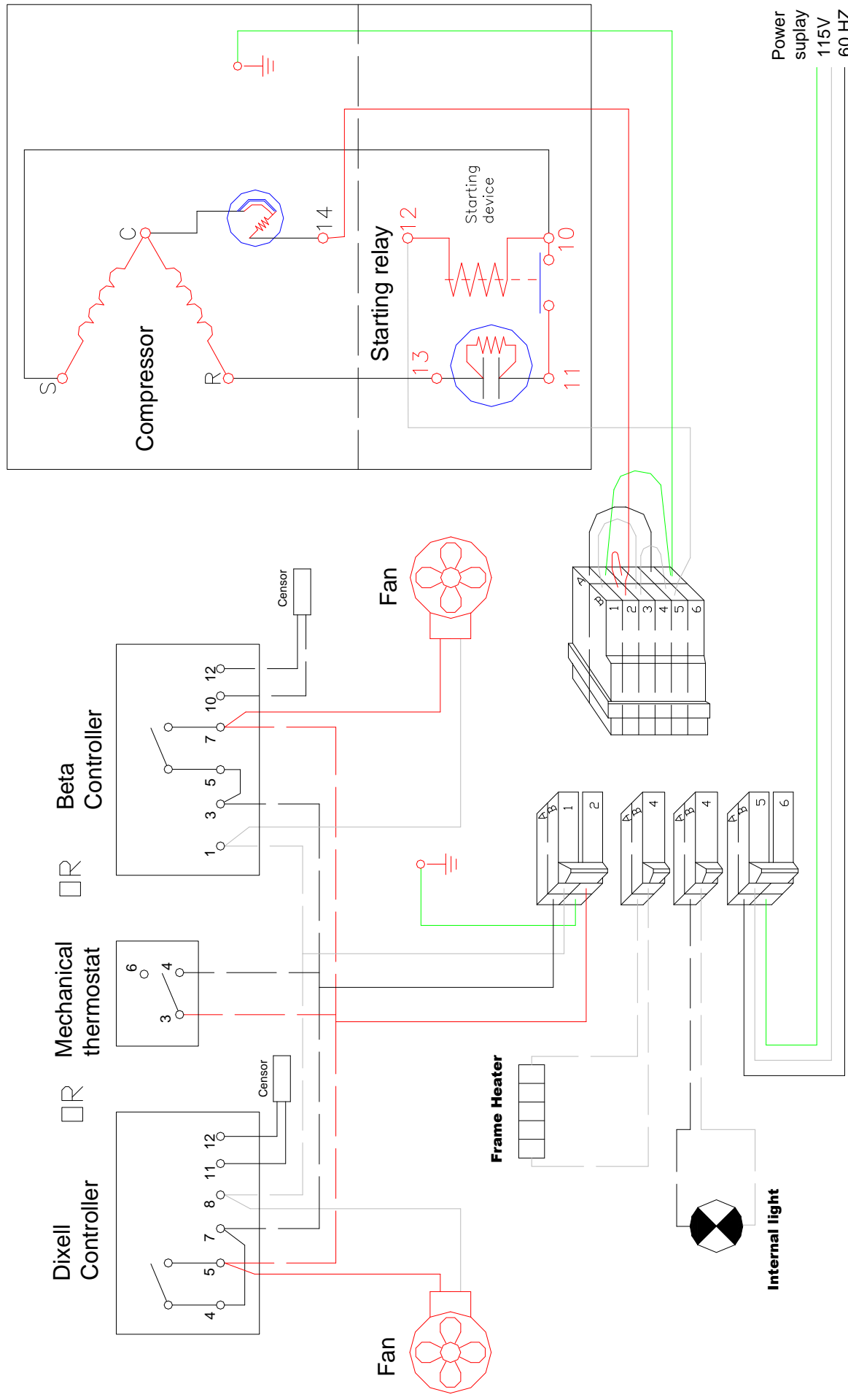
After having checked these points and the unit is still mail functioning, please contact your supplier.

Wiring diagram. Counter-Top Comp. SC12CL

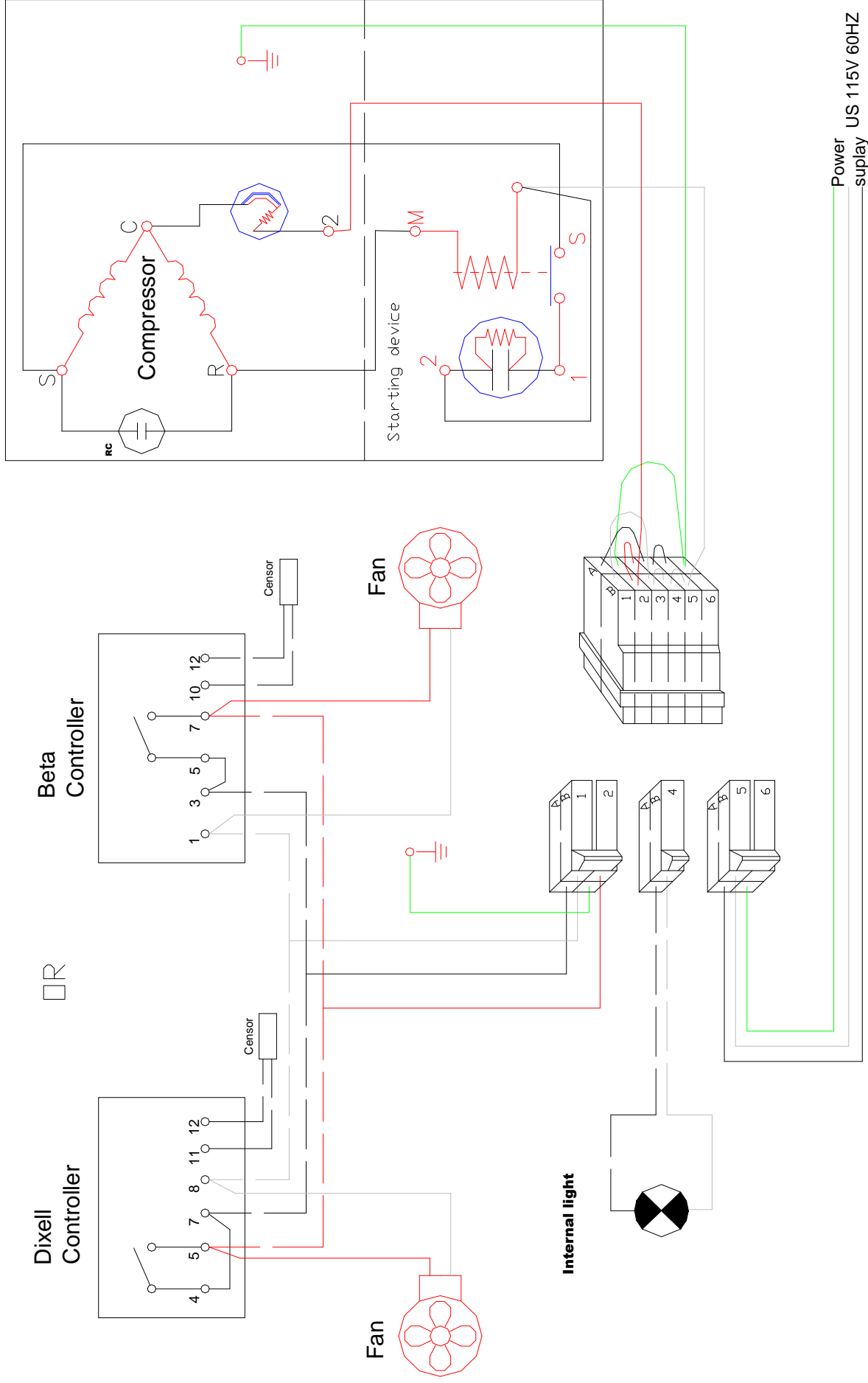


Wiring diagram.

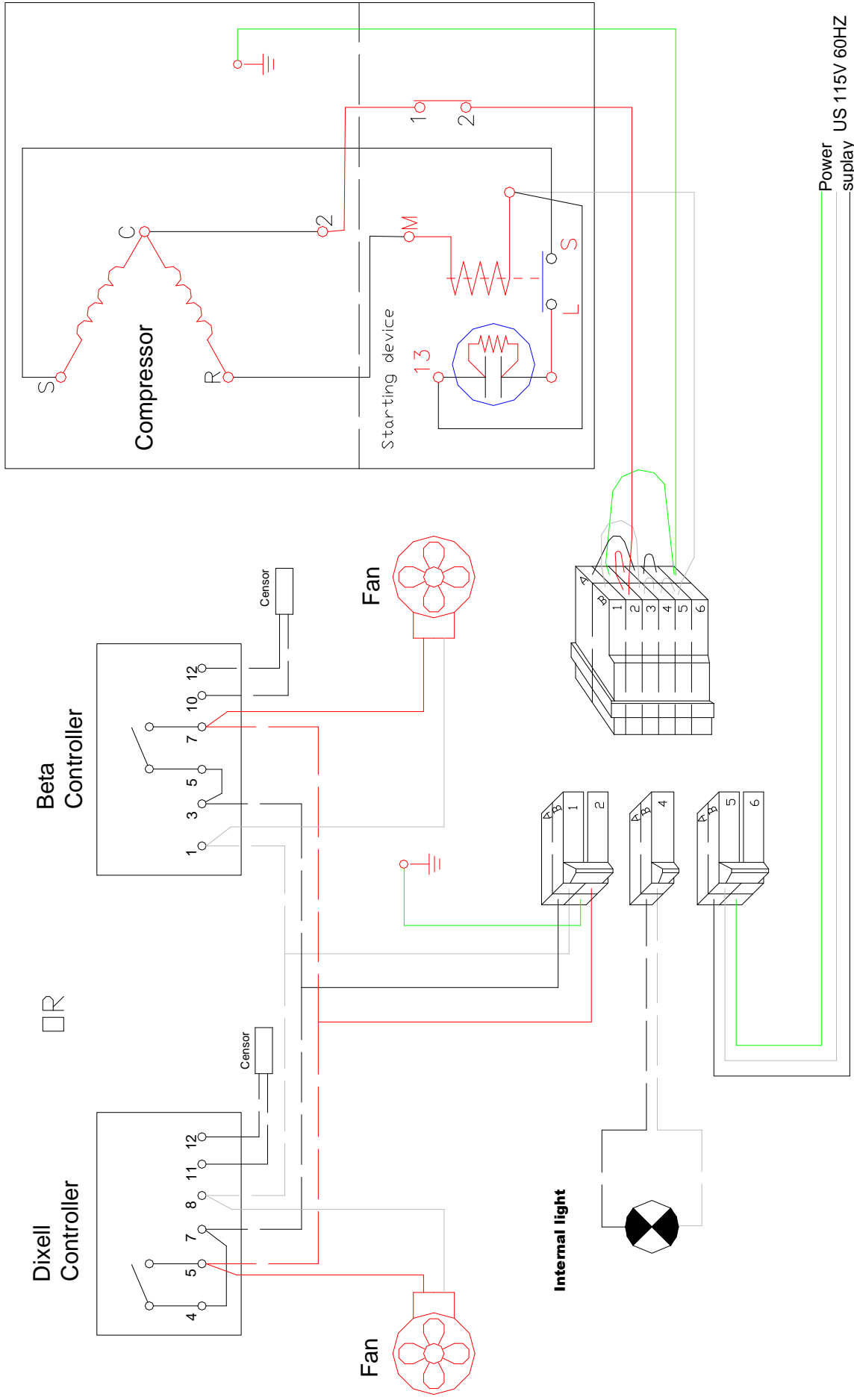
Comp. SC15G, SC12G, SC10, CL, SC12CL, FF8,5GX, FF7,5GX, FF6GK, FF7,5GK



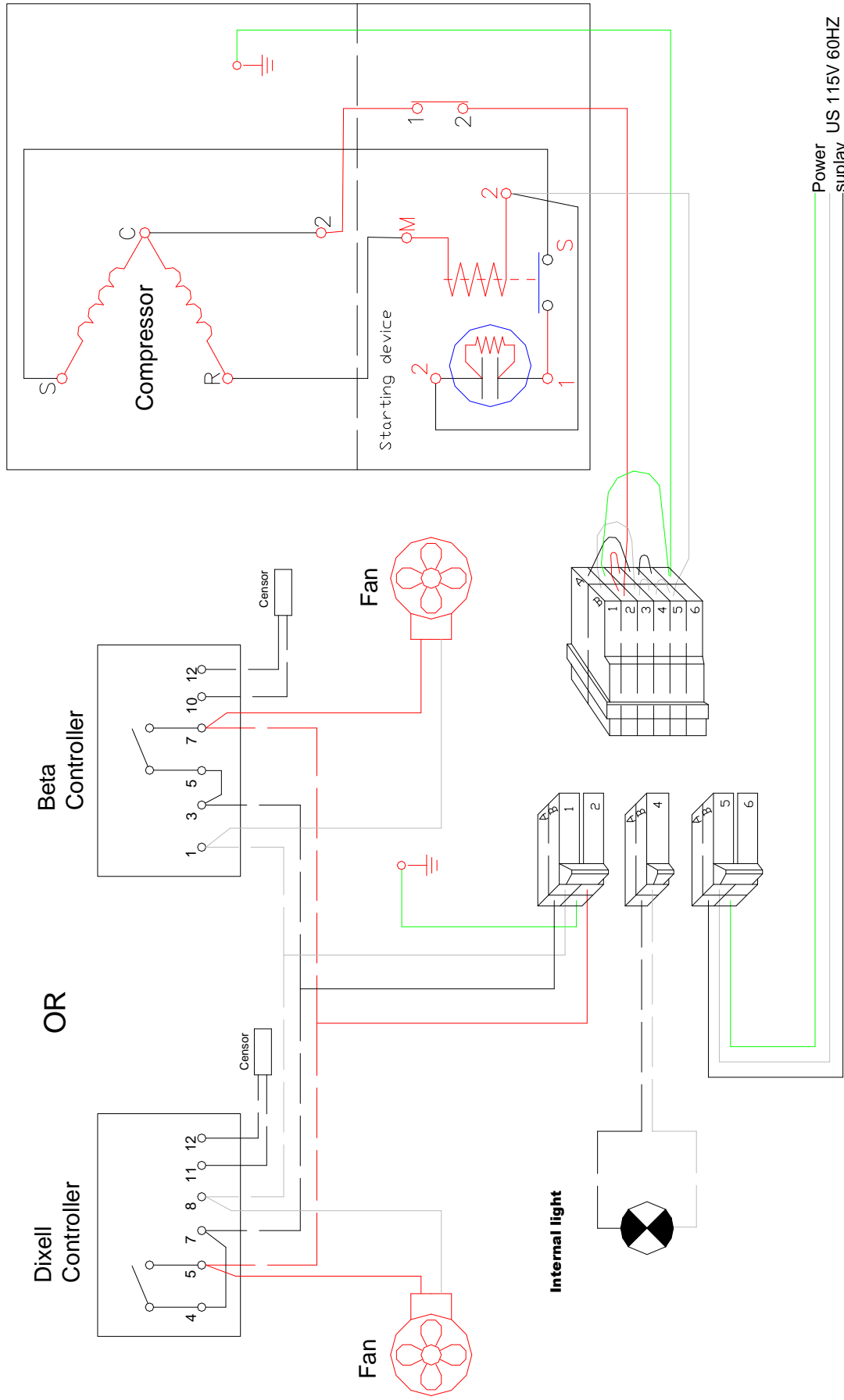
Wiring diagram. Compressor T2180GK 115V



Wiring diagram. Compressor T2168GK 115V



Wiring diagram. Compressor T2155GK 115V



Power supply US 115V 60HZ

Commercial units: Chest coolers & Chest freezers

