

User manual for:

Manufacturer	Model
Interlevin	LCT750C
	LCT900C
	LCT750F
	LCT900F

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Please read the manual carefully before using the product

Operation Instructions for Countertop Display Cabinets



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I. Major technical parameter

Model	Climate type	Protective classification of electric shock resistance	effective capacity (L)	storage temperature (°C)	Voltage/frequency	Rated current (A)	refrigerant/vol(g)	Size L×W×H (mm)	Weight (kg)
Square Countertop Display Case									
LCT750F	3	I	120	2~8	230V/50Hz	1.4	R290/42	700×560×670	65
LCT900F	3	I	160	2~8	230V/50Hz	1.5	R290/45	900×560×670	75
Curved Countertop Display Case									
LCT750C	3	I	100	2~8	230V/50Hz	1.4	R290/42	700×560×670	63
LCT900C	3	I	130	2~8	230V/50Hz	1.5	R290/45	900×560×670	70

II. Precautions

(Very important, please read carefully!)

Operation Instruction for Countertop Display Case

1. Please read the manual carefully before using the cabinet. If in any doubt, please contact Interlevin Refrigeration Ltd.
2. This series of products are mainly applicable to refrigeration and display of patisserie cakes and relevant food. During normal operation, the temperature inside the cabinet is between **2~8°C**. Do not use this equipment for other purposes.
3. The equipment should be installed in a dry place with good ventilation. Away from any heat source or air conditioning. Cabinet should not be in direct sunlight.
4. The equipment should be installed on flat solid surface and unit levelled using adjustable feet
5. Please ensure electrical supply for the unit is suitable.
 - ① Independent single phase three pin socket. Supply should be earthed
 - ② The power supply should be 220-240V / 50Hz
 - ③ The power cord should not be placed where it can be trapped, trodden on or run over.
 - ④ Electrical appliances should not be operated with wet hands.
 - ⑤ Please turn off power supply if equipment is not being used.
 - ⑥ Please turn off and unplug power supply before installation or dismantling of the cabinet
 - ⑦ Clean equipment with dry or slightly damp cloth and mild soap. Do not use excessive water. Unplug power supply before cleaning.
 - ⑧ In case of electrical or refrigeration failure, service agent authorized by the manufacturer or professional maintenance staff shall be responsible for the maintenance work.

III. Transportation and Handling

1. Special package box will be used for the equipment for delivery. Keep unit upright at all times.
2. Please carefully check the package box after receiving the product to ensure that the equipment is not damaged during transportation.
3. When removing the packing box, carefully remove the wood in case

of scratching the equipment.

4. After transportation of unit, please leave it to stand for 4 hours before switching on.
5. Do not throw away the package removed. Please dispose as per relevant local rules and regulations.

IV. Installation and Operation

1. After the cabinet has been installed the exterior should be wiped with a clean cloth. The inside base and shelves should also be wiped down before plugging in.
2. Turn on the light switch, check the light is operating normally.
3. The controller is delivered with default parameters. Do not alter the parameters except for special requirements. This should only be changed by a qualified engineer.
4. When running the cabinet for the first time, it should be run empty for 2 hours to ensure the refrigeration system is working normally. Only when the cabinet has achieved the correct temperature should product be put in the cabinet.
5. Product should be put into the unit pre-chilled. Do not put warm products into the unit. Product should not block airflow and vents. Items should not be put against the glass as this will cause condensation.
6. Overloading the cabinet will cause it not to work correctly.
7. Cabinet should be running whenever there is food inside it.
8. During the defrosting process, the temperature of the cabinet may rise slightly. When the defrosting ends, it will return to normal.

V. Maintenance

1. In order to ensure food hygiene and quality, make sure the equipment is cleaned frequently.
2. Before cleaning turn off the power supply and unplug the unit.
3. Only use a damp cloth with mild soapy water to clean the cabinet.

4. Do not use any solvents or detergents to clean the equipment. This may result in damage.
5. After cleaning the equipment, please ensure it has dried completely before using.

VI.Troubleshooting

Note:

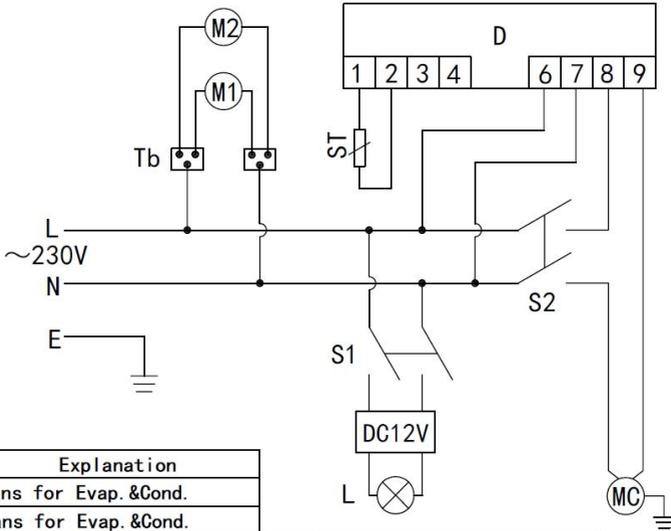
1. For any maintenance or repair please contact your supplier a qualified engineer or Interlevin Refrigeration Ltd.

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Problem	Potential Cause	Solutions
No Power supply	Fuse blown or tripped	Replace fuse or reset trip
	Poor socket contact	Repair or replace the socket
	Input control wire failure	Repair the failure point
High cabinet temperature	Near a heat source	Move the counter or the heat source
	Unit ice up	Defrost manually
	Overloading of the cabinet and or restriction of air flow within the unit.	Take out excess product and ensure vents are not obstructed
	Condenser blocked	Clean the condenser
	Fan failure	Repair or replace the fan
	Temperature controller failure	Replace the temperature controller
	Temperature control probe has been moved	Replace probe to original location
Too much noise	Unit is not level	Adjust the feet
	The screws are loose on the fans or compressor	Check for any loose screws
The compressor is not running	Fuse blown or tripped	Replace fuse or reset trip
	Temperature controller failure	Replace the temperature controller
	Compressor is damaged	Replace the compressor
Light is not working	Light is off	Checked light has been switched on
	Light damaged/blown	Replace light tube

VII. Circuit Diagram

Circuit Diagram



Code	Explanation
M1	Fans for Evap. & Cond.
M2	Fans for Evap. & Cond.
Tb	Terminal blocks
ST	Temperature Sensor
D	Dixell XR02CX
S1	Light Switch

Code	Explanation
S2	Compressor Switch
L	LED Light
MC	Compressor

VIII. Control panel operation



SET

To display target set point, in programming mode it selects a parameter or confirm an operation



To start a manual defrost (Only XR02CX)



In programming mode it browses the parameter codes or increases the displayed value



In programming mode it browses the parameter codes or decreases the displayed value

Operation Instruction for Countertop Display Case

KEYS COMBINATION

-  +  To lock or unlock the keyboard
- SET** +  To enter in programming mode
- SET** +  To return to room temperature display

LED	MODO	SIGNIFICATO
	On	Compressore enabled
	Flashing	Anti short cycle delay enabled (AC parameter)
	On	Defrost in progress
	Flashing	Dripping in progress
°C	On	Measurement unit
	Flashing	Programming mode
°F	On	Measurement unit
	Flashing	Programming mode

HOW TO SEE THE SET POINT

1. Push and immediately release the **SET** key, the set point will be showed;
2. Push and immediately release the **SET** key or wait about 5s to return to normal visualisation.

HOW TO CHANGE THE SETPOINT

1. Push the SET key for more than 2 seconds to change the Set point value;
2. The value of the set point will be displayed and the "°C" or "°F" LED starts blinking;
3. To change the Set value push the o or n arrows within 10s.
4. To memorise the new set point value push the SET key again or wait 10s.

HOW TO START A MANUAL DEFROST (ONLY XR02CX)

Push the DEF  key for more than 2 seconds and a manual defrost will start

HOW TO CHANGE A PARAMETER VALUE

To change the parameter's value operate as follows:

1. Enter the Programming mode by pressing the **SET**+  keys for 3s ("°C" or "°F" LED starts blinking).
2. Select the required parameter. Press the "**SET**" key to display its value
3. Use  or  to change its value.
4. Press "**SET**" to store the new value and move to the following parameter.

To exit: Press **SET**+  or wait 15s without pressing a key.

NOTE: the set value is stored even when the procedure is exited by waiting the time-out to expire.

IX.Warranty

Our company warrant to the original purchaser of every refrigerated unit, the cabinet and all parts thereof, to be free from defects in material or workmanship, under normal and proper use and maintenance service as specified by our company and upon proper installation and start-up in-

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accordance with the instruction supplied with each unit. Our company's obligation under this warranty is limited to a period of 12 months from the shipment date from our company.

Warranty does not cover standard wear parts which include door gaskets, incandescent bulbs or fluorescent bulbs. Warranty also does not cover issues caused by improper installation or lack of basic preventative maintenance.

NOTE: The following items are not covered by this warranty.

1. Improper usage. Our company assumes no liability for parts or labour coverage for component failure or other damages resulting from improper usage or failure to clean and/or maintain product as set forth in the warranty provided with the unit.
2. Improper electrical connections. Our company is not responsible for the repair or replacement of failed or damaged components resulting from incorrect supply voltage, the use of extension cords, low voltage, or unstable supply voltage.

X.Accessory

1. Operation Instruction*1;
2. Product certification*1
3. Guarantee card*1