

09/2018

Mod: E50PC/R6

Production code: FSC1450-I



Diamond
catering equipment



Instruction manual

UK

31

UK

Contents

Important safety instructions	31
Unpacking and installation	31
Electrical connections	32
Start-up of the cabinet	32
Thermostat	33
Thermometer	33
Defrosting	34
Lock	34
Internal light	34
Replacing the Light	35
Door reversal	36
Wall fitting	37
Maintenance and cleaning	38
Service	39
Disposal	39
Technical data	85

Important Instructions:

The appliances mentioned in this document are only intended for preservation and cooling of beverages in bottles and cans.

- Read the manual In order to obtain full benefit of the appliance.
- It is the user's responsibility to utilize the appliance according to the instructions.
- Contact the dealer immediately in case of any defects.
- The appliance is only for indoor use.
- The appliance should be placed in a dry sufficiently ventilated room.
- The appliance should not be placed near a source of heat or direct sunlight.
- The appliance should not be placed near a ventilation or air condition system.
- Note that all electrical appliances can cause danger.
- Do not store explosives such as gas, petrol, ether or similar substances in the appliance.
- Asbestos nor CFC have been used in the production of the appliance.
- The oil in the compressor does not contain PCB.



- THIS APPLIANCE MUST ALWAYS HAVE AN EARTHED PLUG!
- AT REPAIR ALWAYS UNPLUG THE APPLIANCE!



- ONLY FOR APPLIANCES WITH REFRIGERANT R600a!

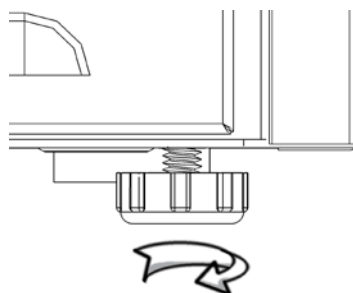
- This appliance contains a flammable refrigerant, so make sure of good ventilation around the appliance.
- Do not use mechanical devices when defrosting, this can cause leakage of the cooling system.
- Do not use electrical appliances inside the refrigerated storage compartment.
- Any repair of the appliance should be carried out by a skilled technician (EN 60335-2-89: 2010).

Unpacking and Installation:

Remove the packing and check that the cabinet has no transport damage.

Any transport damages should be reported to the transport company and noted on the delivery note.

- When building-in ensure a distance of at least 50 cm behind the appliance and above the appliance.
- Make sure that the air intake at the bottom panel is not blocked.
- Place the appliance in a level position for correct functioning. This can be achieved by adjusting the adjustable feet:



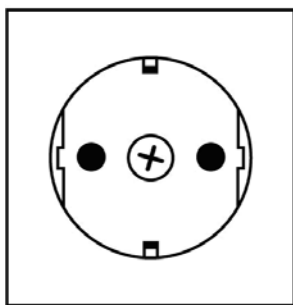
Electrical Connections

The appliance is intended for 220-240 V/50 Hz. The connection should be effected to an accessible socket.

This appliance should have extra protection according to the power regulations. This is also the case when replacing an existing appliance which does not have the extra protection.

Always use a 3 pin plug. The lead with green/yellow insulation should be earthed (marked $\oplus$).

In all other cases an authorized electrician can tell you how to get the extra protection of the appliance. In case there is no extra protection in the building, the Board of Electricity recommends that an electrician installs a PFI or HPFI switch (contact breaker).

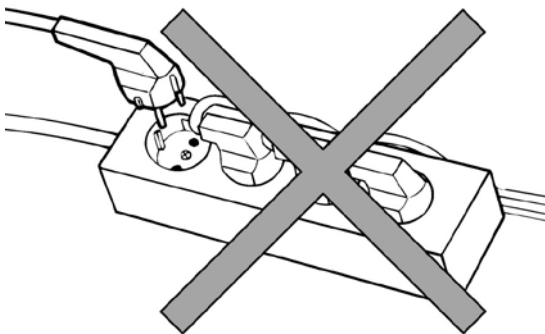


230 V ~ 50 Hz



13 A

The appliance should be connected to an 13A protected socket.



The appliance should not be connected to a multipoled distribution socket.

Start-up the Appliance

Before taking the appliance into use it is recommended to clean it – see section regarding maintenance.

Important!

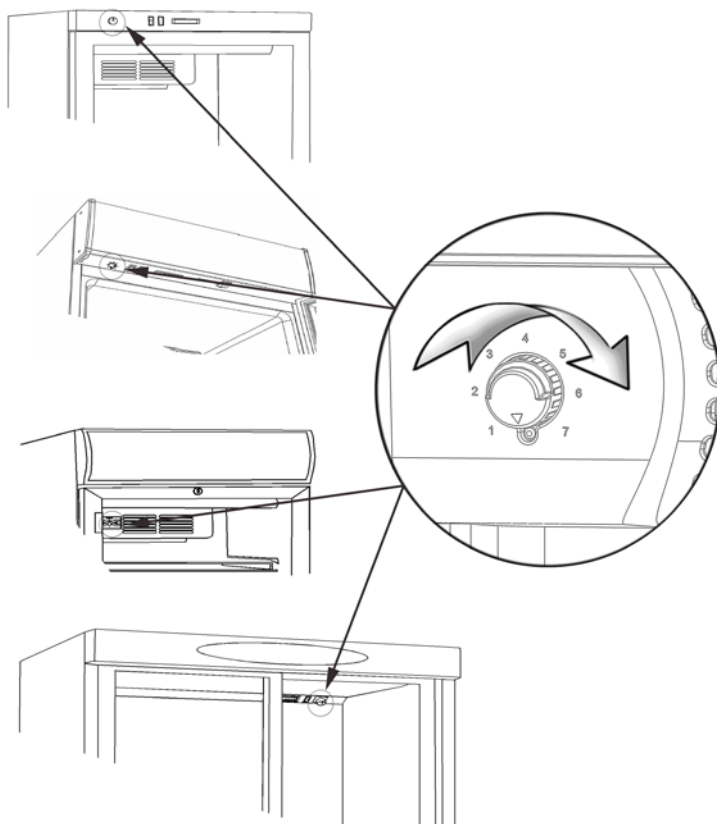
In case the cabinet has been lying down during transport leave it standing up for 2 hours before switching it on.

Thermostat (Also see page 90)

The thermostat setting has a scale 1-7, corresponding to approx. 2-12 °C.

In most cases a setting of 3-4 will be optimum.

The cooling system can be switched off at 0.

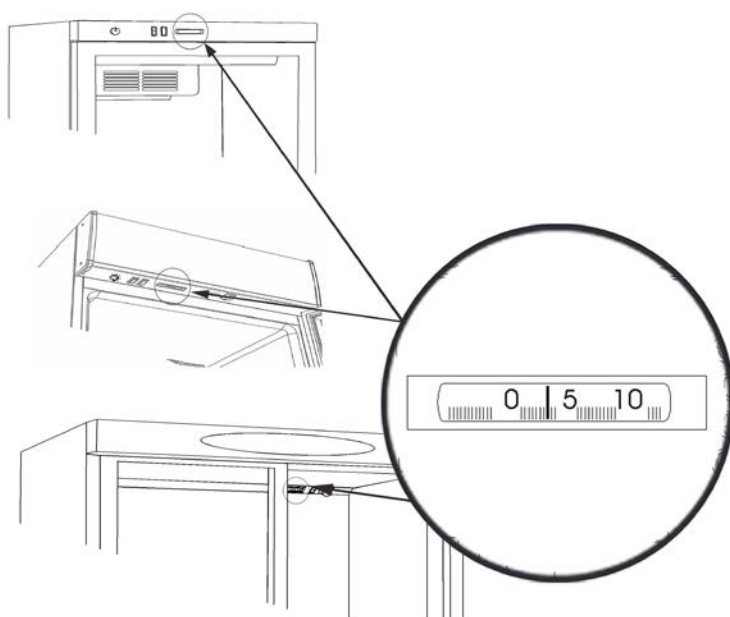


Depending on model the thermostat can be placed as follows:

1. In top panel
2. Under the canopy
3. On the cover of the internal fan

Thermometer

All appliances are fitted with a thermometer.



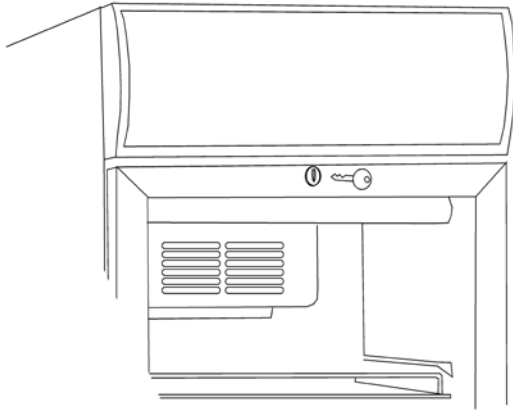
Depending on model the thermometer can be placed as follows:

1. In top panel
2. Under the canopy

Defrosting

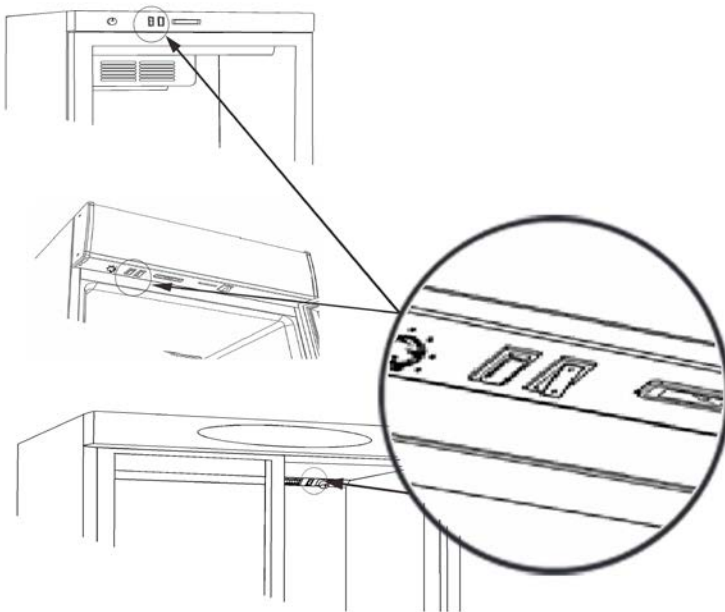
The appliance has automatic defrost. Discharge water is led to evaporation in a drip tray placed in the compressor compartment.

Lock



The appliance with hinged door has a lock. The lock is placed at the top of the door.

Internal Light



Appliance with internal light has a light switch. Depending on model this is placed as follows:

1. In the top panel
2. Under the canopy
3. On the cover of the internal fan

Replacing the Light



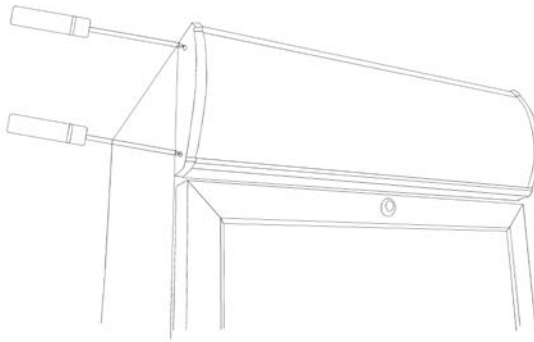
REMEMBER to switch off the power before replacing the light!



Internal Light:

The internal fluorescent light is replaced by demounting the light cover. Replace the tube with an equivalent type.

The internal LED light should be replaced by an equivalent type. Contact your local supplier for original spare parts.

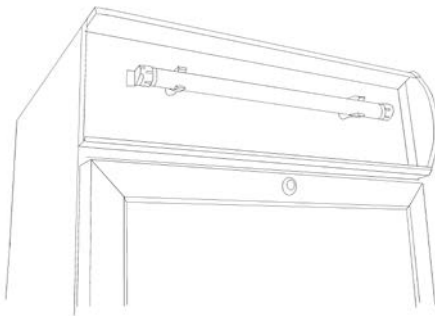


Canopy Light:

The external fluorescent light in the canopy is replaced by dismounting the end piece of the canopy. Pull the canopy plate to one side giving access to the fluorescent light. Replace it with an equivalent type.

The external LED light in the canopy is replaced in the same way.

Contact your local supplier for original spare parts.

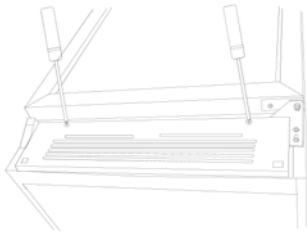


Push carefully the canopy plate in place and remount the end piece of the canopy.

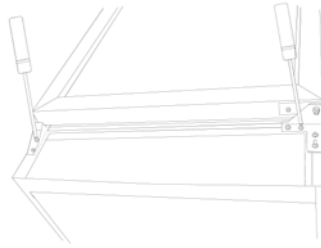
Door Reversal

Some models have reversible doors. Follow the below mentioned instructions for door reversal from right to left and vice versa.

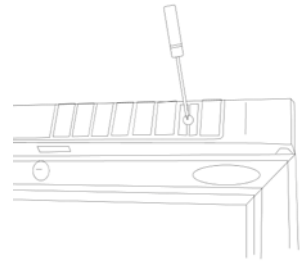
This operation is easily done by carefully lying down the cabinet at its back or on a sack truck.



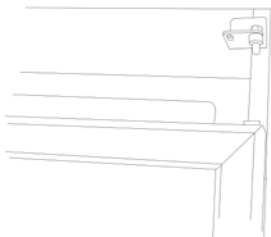
1. Remove the bottom panel



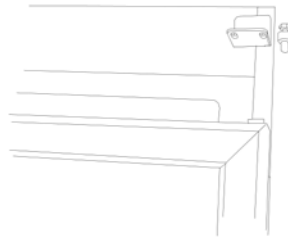
2. Remove the bottom hinge and the support fitting.



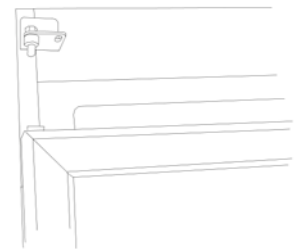
3. Remove the top panel/canopy.



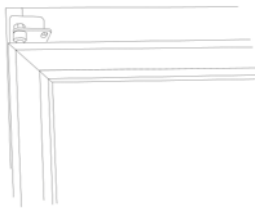
4. Lift the door and pull it approx. 10 cm down.



5. Remove the top hinge pin.



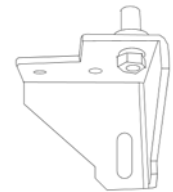
6. Fit the hinge pin at the opposite side without tightening it.



7. Lift the door in place in the top hinge.



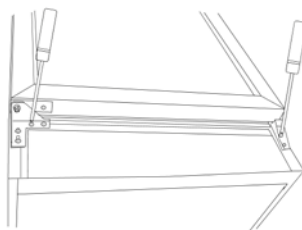
8. Tighten the top hinge pin.



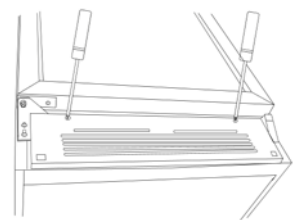
9. Remove the bottom hinge pin and turn the bottom hinge 90 degrees.



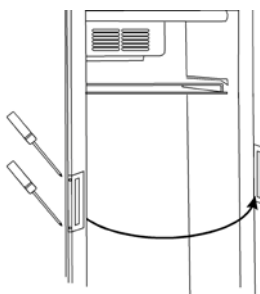
10. Refit the bottom hinge pin to the bottom hinge which was turned.



11. Fit the bottom hinge on the opposite side.



12. Refit the bottom panel.

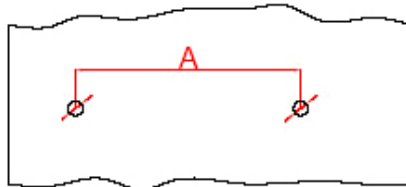


13. Move the handle to the opposite hinge side.

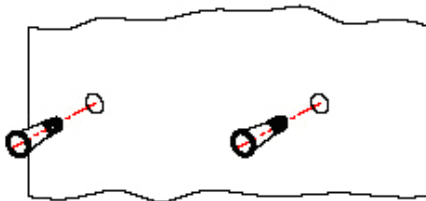
Wall Fitting

Some models are prepared for wall fitting. See below.

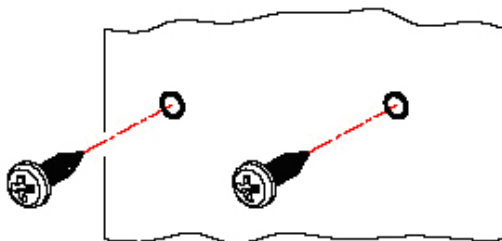
	A	Max. Load:
FS60CP	345	20 kgs.
FS80CP	360	30 kgs.
FSC100	527	30 kgs.



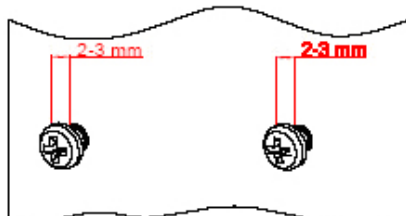
Drill 2 holes with a diameter of 8 mm and a depth of 40 mm and a distance as shown on the drawing (A).



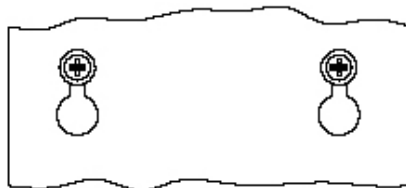
Insert 8 mm plugs.



Use 4.8 x 38 mm screws, DIN NO.7981.



Make sure the distance between the screw head and the wall is 2-3 mm.



Make sure the screws fit perfectly into the wall fitting.

Maintenance

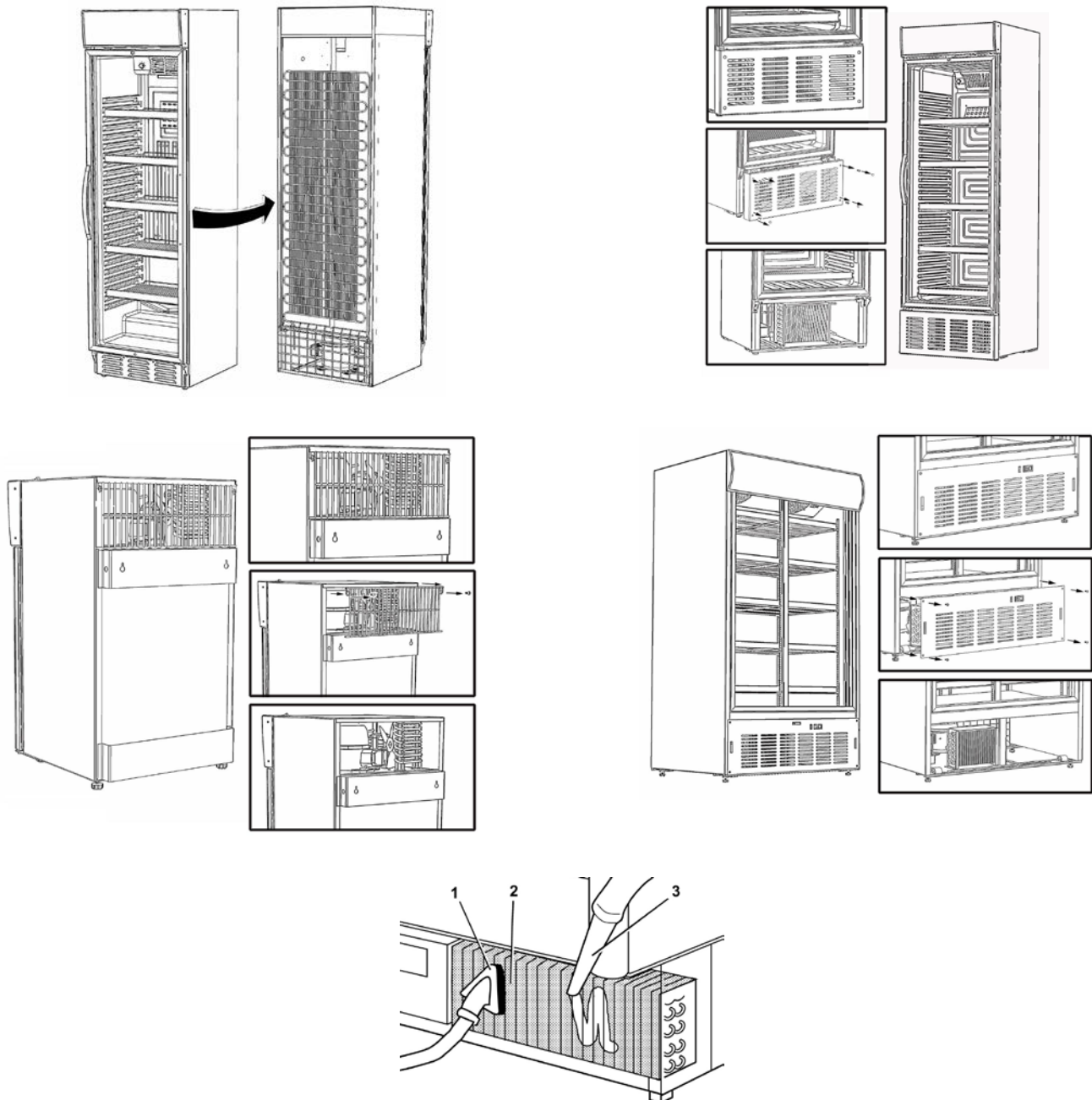
The appliance has a closed cooling system, which normally does not require any maintenance.



REMEMBER to switch off the power before cleaning the appliance!

However, it is recommended to clean the condenser 2-4 times a year by means of a brush or a vacuum cleaner. This can influence the energy consumption and the lifetime of the cabinet.

The appliance has automatic defrost. Discharge water is led to evaporation in a drip tray placed in the compressor compartment.



Service

In case of no cooling check failure in the power supply.

In case you are unable to find any failure, please contact your dealer.

You need to inform your dealer of the model number and serial number stated on the rating label normally placed inside on the right side of the cabinet.

Always use authorized technicians and original spare parts.



This device complies with the following EU Directives:

98/37/EC

89/336/EEC

73/23/EEC

Disposal

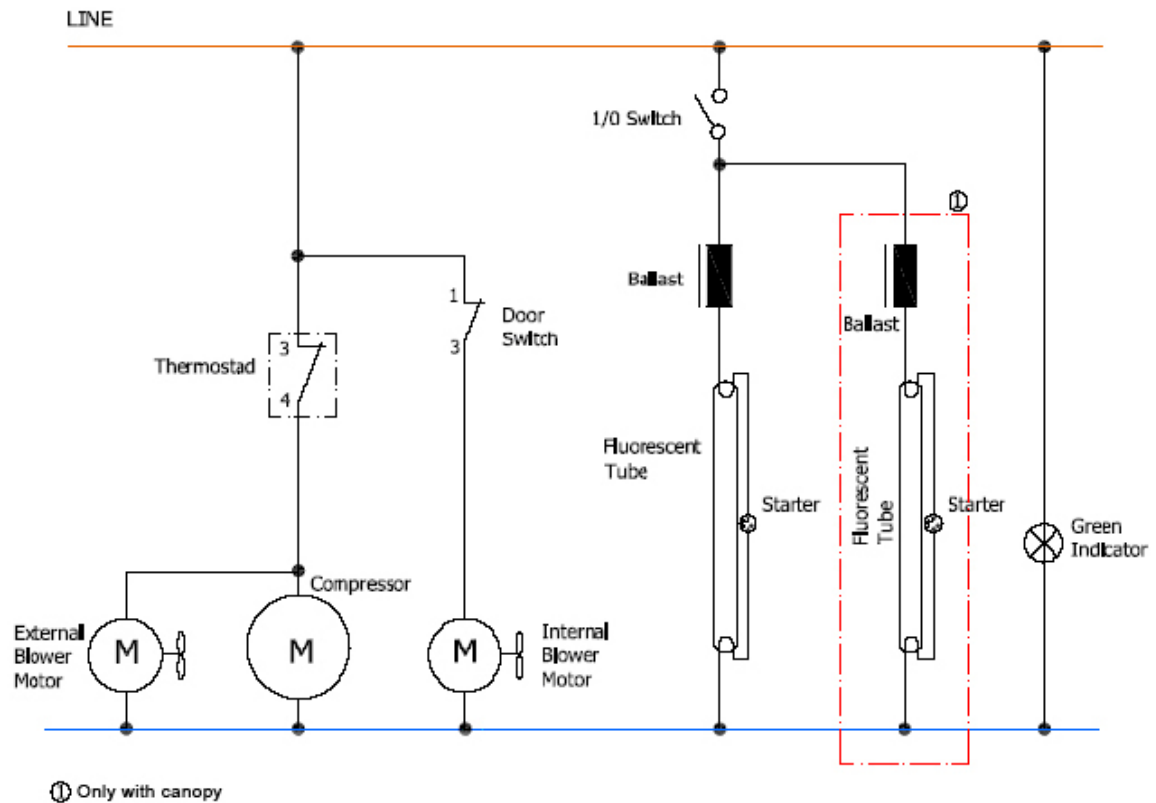
The disposal of old appliances should be done correctly in order to protect the environment.

Please observe the national regulations for disposal of old appliances.

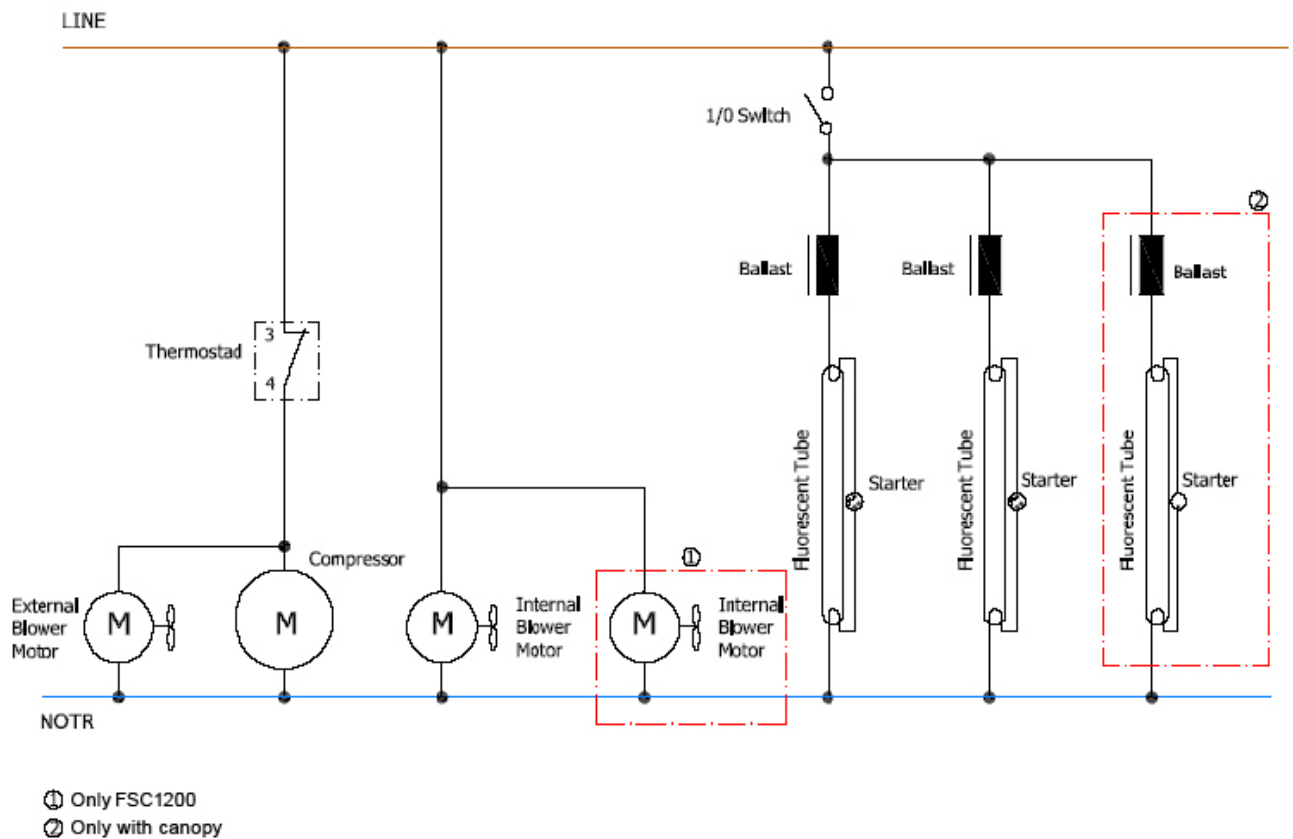


Technical data

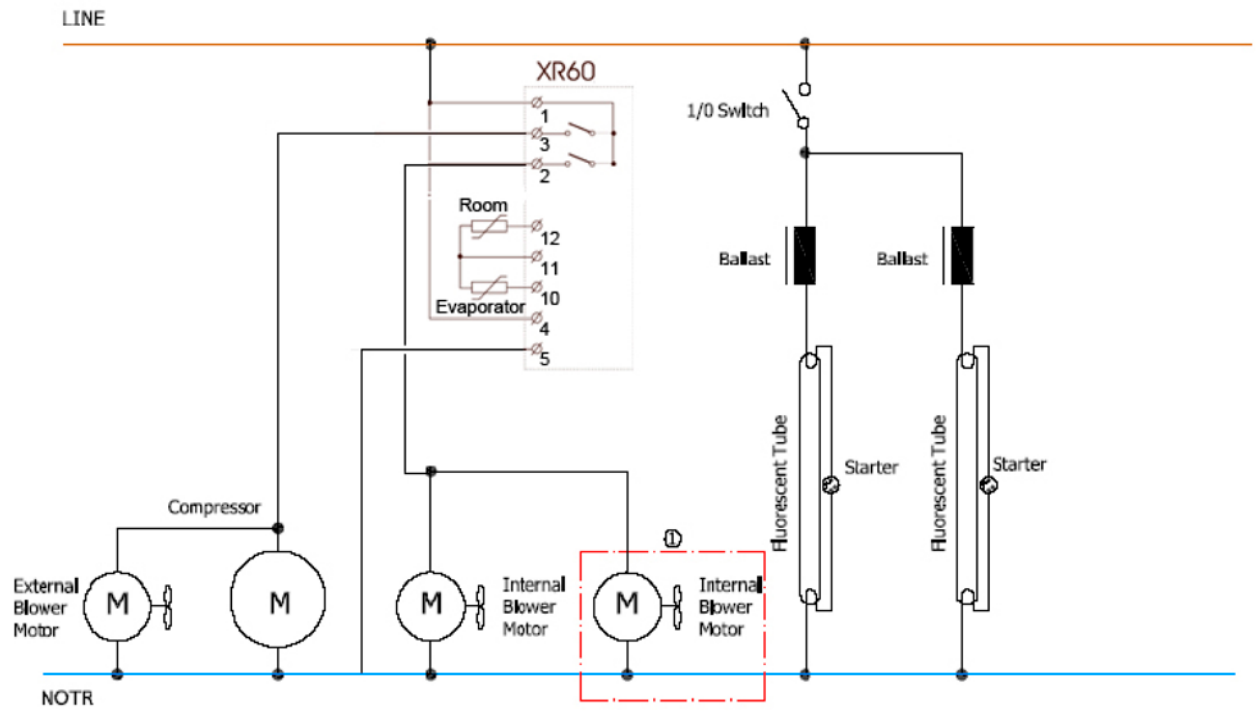
Model	Temp. Range	Voltage (V)	Freq (Hz)	Net Vol. (lt)	Gross Vol. (lt)	Width Ext./Ext With pack. (mm)	Depth Ext./Ext With pack. (mm)	Height Ext./Ext With pack. (mm)	Net Weight (kg)	Gross Weight (kg)	GWP	Refrigerant	Max Load of Shelf (kg)
FS60CP	+1 / +10	230	50	45	57	455/530	480/540	720/840	32,5	37	1300	R134a	20
FS60CP R600	+1 / +10	230	50	45	57	455/530	480/540	720/840	32,5	37	3	R600a	20
FS80CP	+1 / +10	230	50	55	84	480/560	515/590	840/960	37,5	43	1300	R134a	20
FS80CP R600	+1 / +10	230	50	55	84	480/561	515/590	840/960	37,5	43	3	R600a	20
FSC100	+1 / +10	230	50	60	100	650/740	405/460	940/1050	45,5	51	1300	R134a	20
FS1220	+1 / +10	230	50	190	215	595/680	640/710	1310/1410	56,3	64,4	1300	R134a	35
SCU1220	+1 / +10	230	50	190	215	595/680	640/710	1310/1410	56,3	64,4	1300	R134a	35
FSC1220	+1 / +10	230	50	190	215	595/680	640/710	1450/1550	62,5	71,4	1300	R134a	35
SCU1220CP	+1 / +10	230	50	190	215	595/680	640/710	1450/1550	62,5	71,4	1300	R134a	35
FS1280	+1 / +10	230	50	260	290	595/680	640/710	1640/1740	70	79,3	1300	R134a	35
SCU1280	+1 / +10	230	50	260	290	595/680	640/710	1640/1740	70	79,3	1300	R134a	35
MSU300	+1 / +10	230	50	260	290	595/680	640/710	1640/1740	70	79,3	3	R600a	35
FSC1280	+1 / +10	230	50	260	290	595/680	640/710	1780/1880	74	83,3	1300	R134a	35
SCU1280CP	+1 / +10	230	50	260	290	595/680	640/710	1780/1880	74	83,3	1300	R134a	35
FS1380	+1 / +10	230	50	345	372	595/680	640/710	1840/1940	75,5	84,9	1300	R134a	35
GBC375	+1 / +10	230	50	345	372	595/680	640/710	1840/1940	75,5	84,9	3	R600a	35
SD1380	+1 / +10	230	50	345	372	595/680	640/710	1840/1940	65	73	1300	R134a	35
CEV425	+1 / +10	230	50	345	372	595/680	640/710	1840/1940	72	80	1300/3	R134a/R600a	35
SCU1375	+1 / +10	230	50	345	372	595/680	640/710	1840/1940	75,5	84,9	1300	R134a	35
MSU400	+1 / +10	230	50	345	372	595/680	640/710	1840/1940	75,5	84,9	3	R600a	35
FSC1380 R600	+1 / +10	230	50	345	372	595/680	640/710	1980/2080	80,4	90,1	3	R600a	35
SCU1375CP R600	+1 / +10	230	50	345	372	595/680	640/710	1980/2080	80,4	90,1	3	R600a	35
GBC375CP	+1 / +10	230	50	345	372	595/680	640/710	1980/2080	80,4	90,1	3	R600a	35
FSC1380	+1 / +10	230	50	345	372	595/680	640/710	1980/2080	80,4	90,1	1300	R134a	35
CEV425CP	+1 / +10	230	50	345	372	595/680	640/710	1980/2080	75	83	3/1300	R600a/R134a	35
SCU1375CP	+1 / +10	230	50	345	372	595/680	640/710	1980/2080	80,4	90,1	1300	R134a	35
FSC1450	+1 / +10	230	50	374	438	680/735	650/720	2107/2207	97	105	1300	R134a	55
SCU1450CP	+1 / +10	230	50	374	438	680/735	650/720	2107/2207	97	105	1300	R134a	55
FSC1450 R600	+1 / +10	230	50	374	438	680/735	650/720	2107/2207	97	105	3	R600a	55
SCU1450CP R600	+1 / +10	230	50	374	438	680/735	650/720	2107/2207	97	105	3	R600a	55
CPV1380M	+6 / +18	230	50	345	372	595/680	640/710	1840/1940	75,5	84,9	1300	R134a	35
CPP1380M	+6 / +18	230	50	345	372	595/680	640/710	1840/1940	75,5	84,9	1300	R134a	35
CPV425S	+6 / +18	230	50	345	372	595/680	640/710	1840/1940	75,5	84,9	1300	R134a	35
CPV425V	+6 / +18	230	50	345	372	595/680	640/710	1840/1940	75,5	84,9	1300	R134a	35
FS1002S	+1 / +10	230	50	540	730	1000/1075	735/835	1990/2170	163	176	1300	R134a	75
FS1202S	+1 / +10	230	50	660	895	1200/1275	735/835	1990/2170	174	189	1300	R134a	85
FS1500H	+1 / +10	230	50	1148	1208	1500/155	720/750	2044/2065	206,5	211,5	1300	R134a	35
FSC1950S/H	+1 / +10	230	50	710	875	1110/1185	825/925	1995/2155	175	195	1300	R134a	55
FSC1950S/H R600	+1 / +10	230	50	710	875	1110/1185	825/925	1995/2155	175	195	3	R600a	55
FSC1000S/H	+1 / +10	230	50	631	780	1000/1040	740/780	2000/2160	162	175	1300	R134a	75
FSC1000S/H R600	+1 / +10	230	50	631	780	1000/1040	740/780	2000/2160	162	175	3	R600a	75
FSC1200S/H	+1 / +10	230	50	770	960	1200/1240	740/780	2000/2160	174	188,5	1300	R134a	85
FSC1200S/H R600	+1 / +10	230	50	770	960	1200/1240	740/780	2000/2160	174	188,5	3	R600a	85
FS890S/H (-P)	+1 / +10	230	50	462	707	890/950	741/790	1990/2160	147	157	1300/3	R134a/R600a	70
FSC890S/H (-P)	+1 / +10	230	50	462	707	890/950	741/790	1990/2160	147	157	1300/3	R134a/R600a	70



FS/FSC1220, 1280, 1450. SCU1220, 1280, 1375, 1450/CP. GBC375/CP
CPV1380, CPP1380, CPV425S, CPV425V

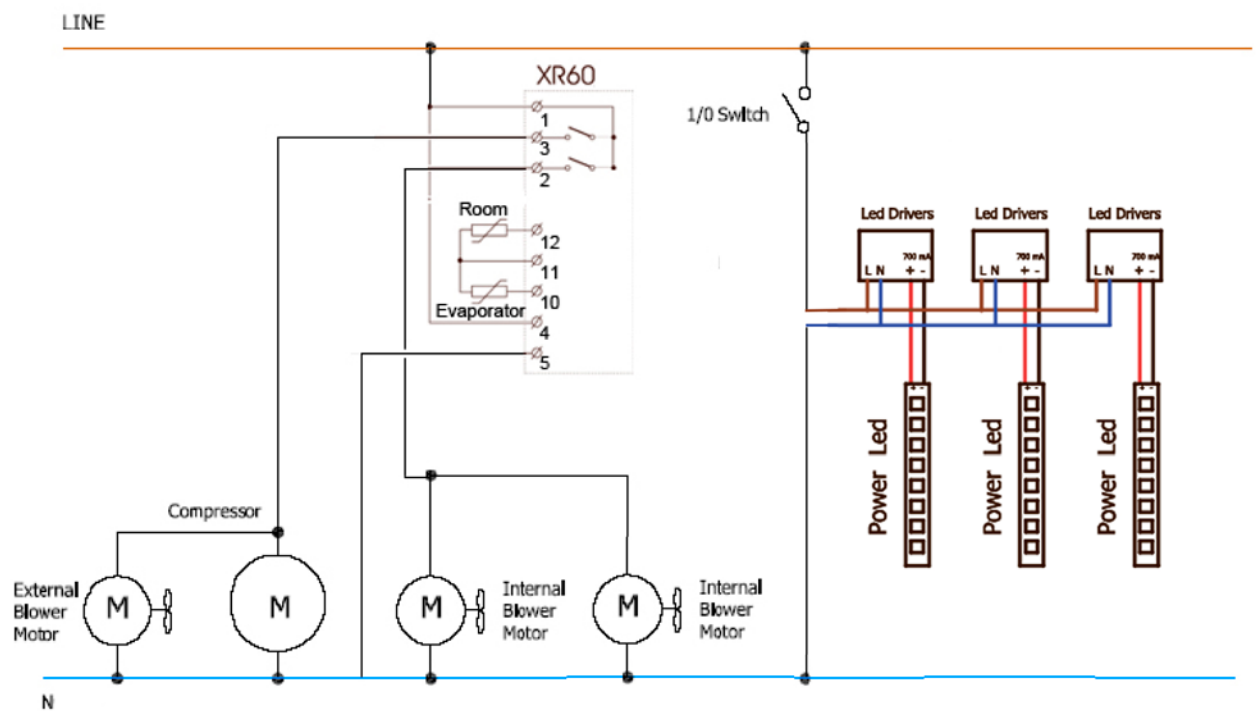


FS/FSC890S/H, FSC1000/1200S/H, FSC1950S/H

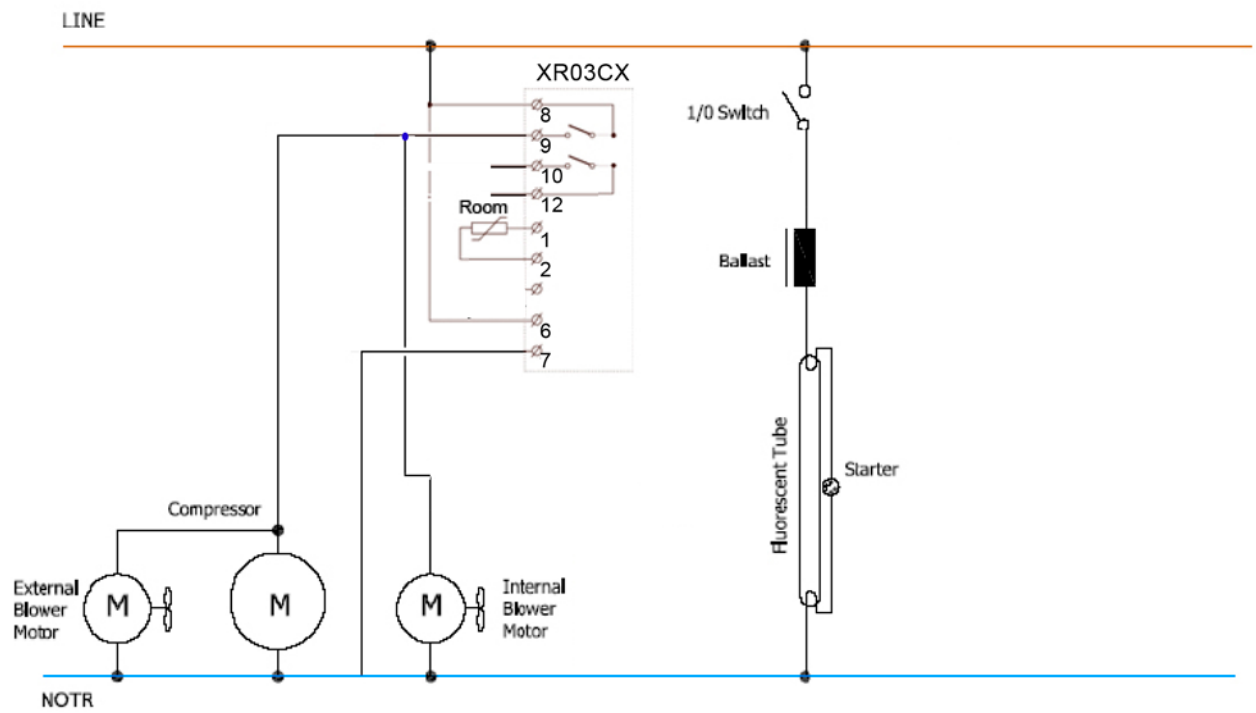


Ⓜ Only FS1202S

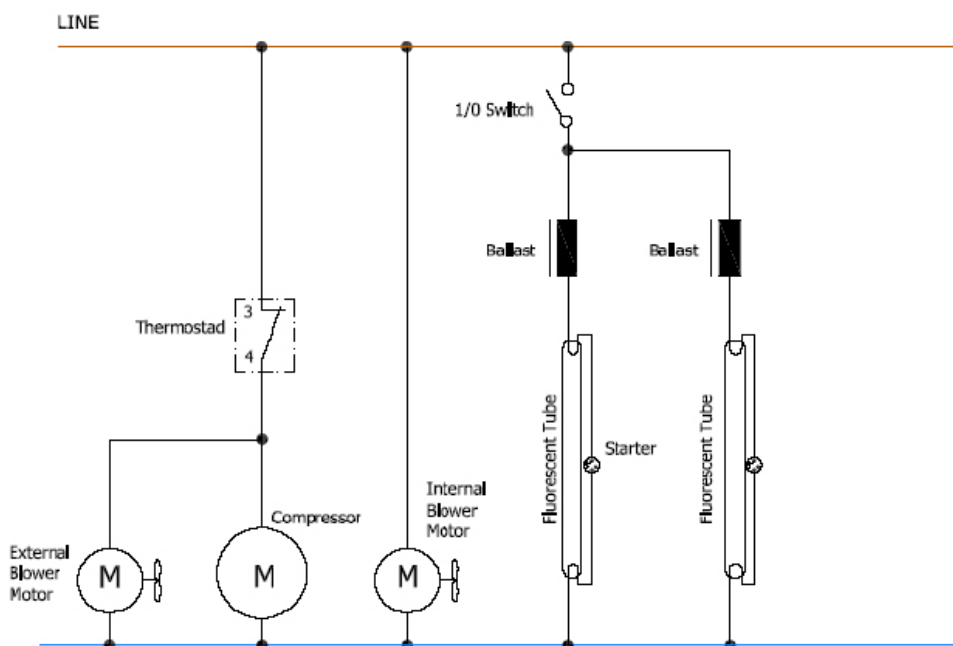
FS1002S/FS1202S



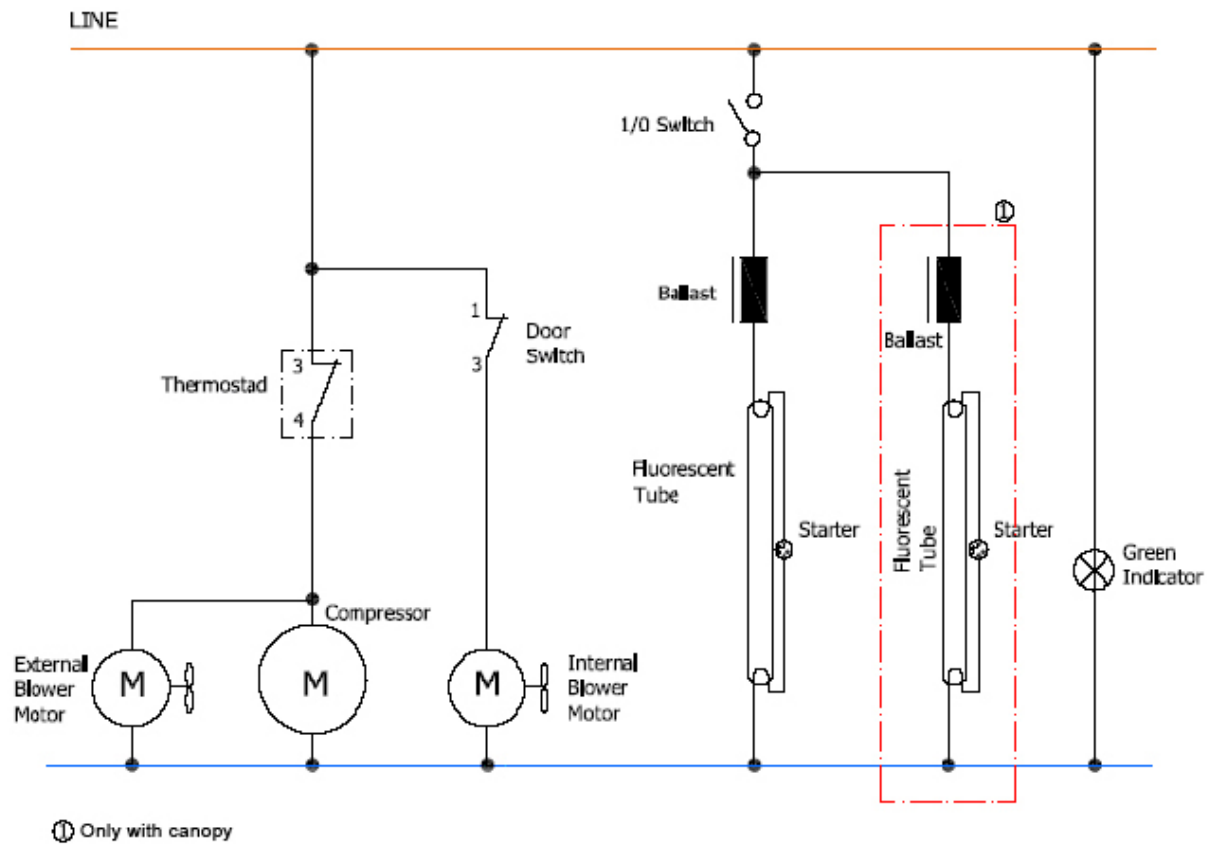
FS1500H



MSU300/MSU400



FS60CP / FS80CP / FSC100



FS/FSC1220, 1280, 1450. SCU1220, 1280, 1375, 1450/CP. GBC375/CP
CPV1380, CPP1380, CPV425S, CPV425V



XR60C

SET: To display target set point; in programming mode it selects a parameter or confirm an operation.

(DEF) To start a manual defrost

▲ **(UP):** To see the last temperature alarm happened; in programming mode it browses the parameter codes or increases the displayed value.

▼ **(DOWN)** To see the last temperature alarm happened; in programming mode it browses the parameter codes or decreases the displayed value.

USE OF LEDS

LED	MODE	FUNCTION
	ON	Compressor enabled
	Flashing	-Programming Phase (flashing with) - Anti-short cycle delay enabled
	ON	Defrost enabled
	Flashing	- Programming Phase (flashing with) - Drip time in progress
	ON	Fans enabled
	Flashing	Fans delay after defrost in progress.
	ON	An temperature alarm happened

HOW TO SEE THE SETPOINT

SET



1. Push and immediately release the **SET** key: the display will show the Set point value;
2. Push and immediately release the **SET** key or wait for 5 seconds to display the probe value again.

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 ❄️ LED starts blinking;
3. To change the Set value push the ▲ or ▼ 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



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

ALARM SIGNALS

Message	Cause	Outputs
"P1"	Room probe failure	Compressor output according to par. "Con" and "COF"
"P2"	Evaporator probe failure	Defrost end is timed
"HA"	Maximum temperature alarm	Outputs unchanged.
"LA"	Minimum temperature alarm	Outputs unchanged.
"dA"	Door open	Compressor and fans restarts
"EA"	External alarm	Output unchanged.
"CA"	Serious external alarm (i1F=bAL)	All outputs OFF.
"CA"	Pressure switch alarm (i1F=PAL)	All outputs OFF

**For MSU300/MSU400:
XR03CX**



SET

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



To start a manual defrost



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



AUX

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

KEYS COMBINATION



To lock or unlock the keyboard

To enter in programming mode

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 SETPOINT



1. Push and immediately release the **SET** key: the display will show the Set point value;
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HOW TO CHANGE THE SETPOINT

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4. To memorise the new set point value push the **SET** key again or wait 10s.

HOW TO START A MANUAL DEFROST



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

12. ALARM SIGNALLING

Mess.	Cause	Outputs
"P1"	Room probe failure	Compressor output according to "Cy" e "Cn"
"P2"	Evaporator probe failure	Defrost end is timed (Only XR04CX)
"HA"	Maximum temperature alarm	Outputs unchanged
"LA"	Minimum temperature alarm	Outputs unchanged
"EA"	External alarm	Outputs unchanged
"CA"	Serious external alarm	All outputs OFF.
"dA"	Door Open	Compressor and fans restarts