Freezer Merchandisers

Installation, operation and service

Controller: XR06CX-4N1F1-XX (Freezer)



Model _____

Serial number _____

Installed location _____

Find your task

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Customer guide: safety



Read warnings



Disconnect power



Use trained help

DANGER Fire or explosion
Flammable refrigerant may be used. Do not puncture refrigerant tubing. Repairs must be performed by trained service personnel. Identify the refrigerant on the nameplate.

Electrical safety

• Use a grounded outlet and dedicated supply that match the nameplate. No extension cords or adapter plugs. Never remove the ground prong.

• Unplug before cleaning or service. A zero setting or an OFF display may leave lights, fans or heaters energized.

• Keep hands dry when handling the plug. Grip the plug, not the cord. Keep the cabinet and casters off the cord.

• Have damaged cords replaced by an authorized service agent. Do not alter wiring or electrical components.

Protect people and equipment

• Keep children from climbing inside or hanging on doors, drawers and shelves. Do not stand inside the cabinet.

• Do not put hands under equipment while moving it. Never lift a bar cabinet by the countertop.

• Do not store or use flammable, explosive or corrosive materials in or near the unit. Do not spray the unit with water.

• Do not touch very cold surfaces with wet hands. Use the appliance for its intended purpose.

When disposing of a cabinet

Remove doors and leave shelves in place to discourage child entry. Arrange refrigerant handling and disposal through a qualified technician. Keep unused equipment inaccessible to children.

Receive and install



Inspect delivery



Level the cabinet



Allow airflow

01 **Inspect delivery and reject damaged freight**
Inspect the carton, cabinet and accessories before accepting delivery. **Always reject freight if damaged.** Photograph the damage, record the refusal on the delivery receipt, and notify the carrier and seller promptly.

02 **Move to the final location**
Keep the cabinet safely supported while moving. Avoid using the countertop as a lifting point.

03 **Remove packaging**
Remove cardboard, plastic and internal packing. Keep all supplied accessories and fasteners.

04 **Fit and level**
Install accessories before connection. Level front-to-back and side-to-side. Check that doors and drawers close correctly.

05 **Verify the electrical supply**
Use a dedicated grounded circuit matching the nameplate. Confirm the voltage, frequency and circuit protection.

Tools commonly needed
A suitable screwdriver, adjustable wrench and level. Use proper lifting equipment and adequate help for the cabinet weight.

After transport
After side transport, keep the cabinet upright for at least 24 hours before connecting power. Follow any stricter instruction supplied with your unit.

After unplugging
Wait at least 10 minutes before reconnecting, unless the unit instructions require a longer delay.

Allow ventilation space

Install indoors on a dry, level surface. Keep the cabinet away from direct sunlight, ovens and steam. Stay within its rated room temperature and humidity limits.

Required space
6 in at each side and rear.

Nameplate instructions, supplied spacers and the model-specific installation requirements take priority. Leave access for cleaning and service.

Set up the cabinet



01 **Fit accessories before connection**
Install shelves, pan dividers, drawers, casters and feet as supplied.

02 **Support every shelf corner**
Fit each clip fully into a matching support slot. Use the same height at all corners. Lower the shelf onto the clips.

03 **Check for stability**
Press gently at every shelf corner. Lock fitted caster brakes or adjust the feet as designed. Confirm that the cabinet is level and stable.

> **Do not overload**
> Use the model shelf and drawer ratings. Remove product if a shelf bends or flexes. Do not hang on shelves or use them as steps.

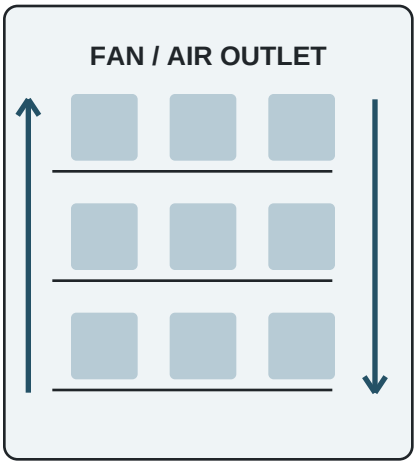
Daily operation



Let the cabinet reach its intended operating temperature before loading. Arrange products with room for circulating air. Close the doors promptly after use.

> **Defrost is normal**
> Freezer cabinets commonly use electric defrost; refrigerator cabinets commonly use an off-cycle stop of the compressor. Match the actual controller and approved cabinet configuration.

Load without blocking air



Airflow principle; actual cabinet layout varies.

Keep the fan and duct clear.

Leave space around products.

Do not pack the rear wall.

Close doors after loading.

Load after cooling

• Leave at least 4 in between products and the upper fan or air duct.

• Do not block evaporator fans or pack products against interior walls.

• Avoid large warm loads. Use the cabinet for its intended storage and holding purpose.

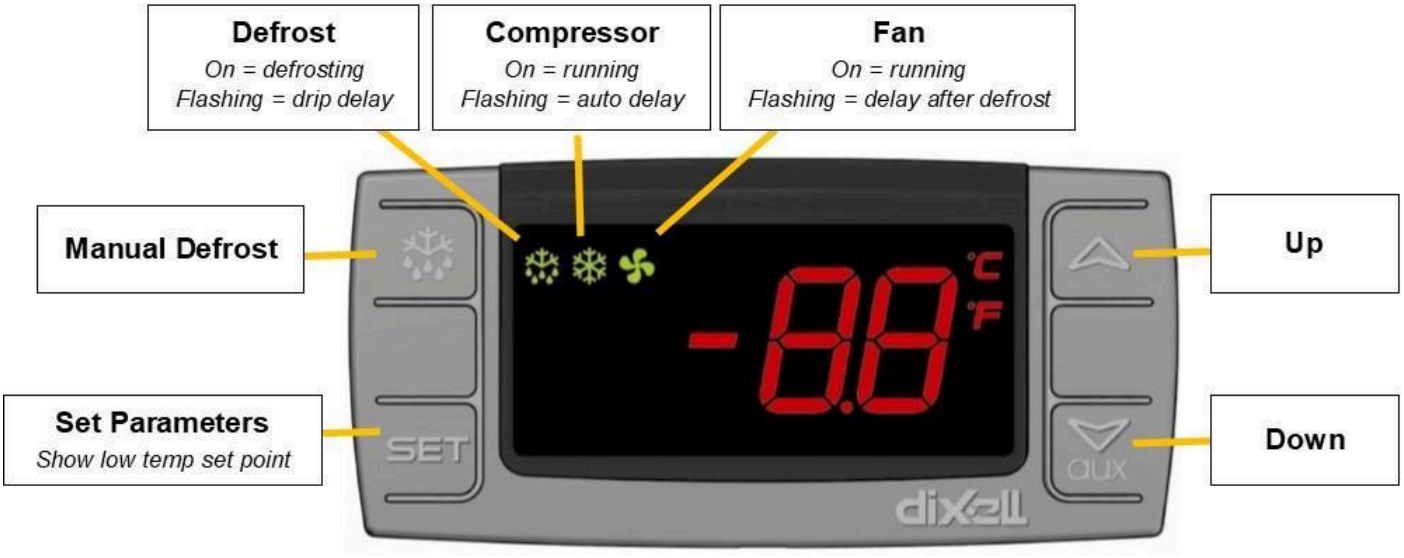
• Keep doors, drawers and lids closed during non-use. Check the gasket if a closure will not seal.

> **Display temperature**
> The controller display is a probe reading. It is not a direct food-temperature measurement. Check product temperature using the method required for your operation.

Use the temperature control

SET	UP / DN	SET
View SET	**Adjust with arrows**	**Save with SET**

XR06CX-4N1F1-XX (Freezer) - freezer application



Identify SET, the arrows and the defrost key on the installed control.

Leave factory settings in place
The cabinet arrives preset. A change should follow the approved operating requirement for the unit. The generic controller defaults are not cabinet operating temperatures.

01 **View the setpoint**
Press and release SET. Press SET again or wait about five seconds to return to the temperature display.

02 **Change only when needed**
Hold SET until the temperature-unit indicator flashes. Adjust with UP or DOWN.

03 **Save the change**
Press SET to store the new value. Check that the displayed unit is correct.

In cooling mode, the compressor stops at SET and restarts at SET + Hy. For example, SET -5°F and Hy 4°F gives a nominal -5 to -1°F probe-control band. This example is not a recommended setting for every cabinet.

Cleaning schedule

When	Task
After spills and daily use	Wipe food and liquid residue from the interior, pan surfaces and drip areas. Rinse and dry.
Preferably weekly	Wash removable door or drawer gaskets and check the complete seal.
At least monthly / every 30 days	Inspect and clean the condenser coil and fins. Check accessible fans and ventilation openings.
As needed	Remove and clean shelves, brackets, bins, dividers and pan supports. Inspect corrosion, seals and drain paths.

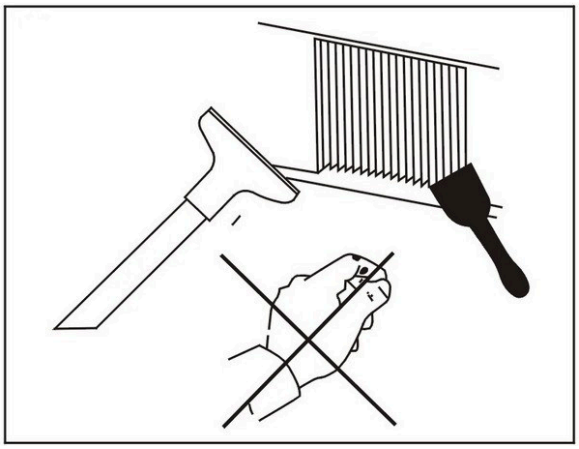
Disconnect power first
Unplug before cleaning the cabinet. Keep motors and electrical components dry. Have a technician handle cleaning that exposes electrical parts or requires moving the compressor assembly.

Clean the condenser

Unplug first

Clean coil gently

Check airflow



Brush with the fin direction; use a vacuum to remove loosened debris

01 **Disconnect power**
Unplug the unit. Open only the access panel intended for routine cleaning.

02 **Remove dust and lint**
Use a soft brush and vacuum. Brush top-to-bottom along fins, not across them.

03 **Check the fins**
Avoid bending fins. Use a fin comb where appropriate to straighten damaged sections.

04 **Refit the access panel**
Confirm that grilles, fasteners and guards are secure before reconnecting power.

Fan blades and motors

Clean accessible blades with a soft cloth. Keep water away from the motor and electrical parts. Do not spray the cabinet or fan assembly.

If access is difficult
Do not pull out a compressor assembly or bend tubing for customer cleaning. Request technician service when debris cannot be removed through the approved access area.

Clean interior and stainless steel



Disconnect power



Wash / rinse / dry



Inspect the seal

01 **Use mild soap and warm water**
Clean interior surfaces and removable parts with a soft cloth or non-abrasive pad.

02 **Clean in the direction of the grain**
Wipe stainless steel parallel to its visible polish lines. Avoid wire brushes, steel pads and metal scrapers.

03 **Rinse and dry**
Remove cleaner residue, standing water, salt and food deposits promptly. Dry surfaces and removable components.

04 **Wash and refit gaskets**
Where the gasket is removable, wash it gently. A 30-minute soak in warm soapy water is used for the covered removable-gasket arrangements. Dry, refit and check the complete seal.

Avoid damaging cleaners
Do not use steel wool, caustic soap, abrasive cleaners, bleach or hydrochloric acid. Choose cleaners compatible with stainless steel and plastic. Do not use solvents or polishing agents that damage plastic.

Why stainless steel can rust

Scratches, mineral deposits and chlorides from salt, food, water or cleaners can damage the protective surface. Frequent gentle cleaning and prompt rinsing reduce these risks.

Hard water and surface restoration

If deposits recur, consult a water-treatment specialist. Have a qualified provider select any restoration or passivation product for the material. Do not apply an unverified chemical simply because it is sold as a metal cleaner.

Troubleshoot the cabinet

Problem	Check first	When to request service
Compressor not running	Plug and power supply; normal defrost or restart delay; controller display.	Persistent no-start, repeated circuit trips or electrical faults.
Warm cabinet / long run time	Door closure, gasket, blocked air, warm loading and condenser cleanliness.	Persistent warming or icing after accessible checks.
Noisy cabinet	Level footing, required clearance and loose stored items.	Internal mounting or tubing vibration.
Interior light off	Light switch; note whether refrigeration still operates.	Switch fault or approved lamp replacement beyond user access.
Condensation / water	Door closure, gasket, humidity and visible drain condition.	Persistent leakage, blocked drain or failed seal.

Give support a clear picture
Record the model, serial number, controller display and symptom. Note recent outages, transport, heavy loading or door-opening changes. Photographs of the nameplate and display help identify the configuration.

Leave these checks to technicians

Electrical testing, refrigerant charge, internal tubing, hidden parameters and sealed-system repair are service work. Do not repeatedly reset a tripping circuit or change settings at random.

Technician service: diagnosis

For qualified technicians
Identify the model, serial number, refrigerant, electrical supply and controller before service. Isolate electrical connections. Follow the flammable-refrigerant warnings.

01 Check installation first
Confirm nameplate supply, grounding, cabinet level, ventilation, ambient conditions and condenser cleanliness.

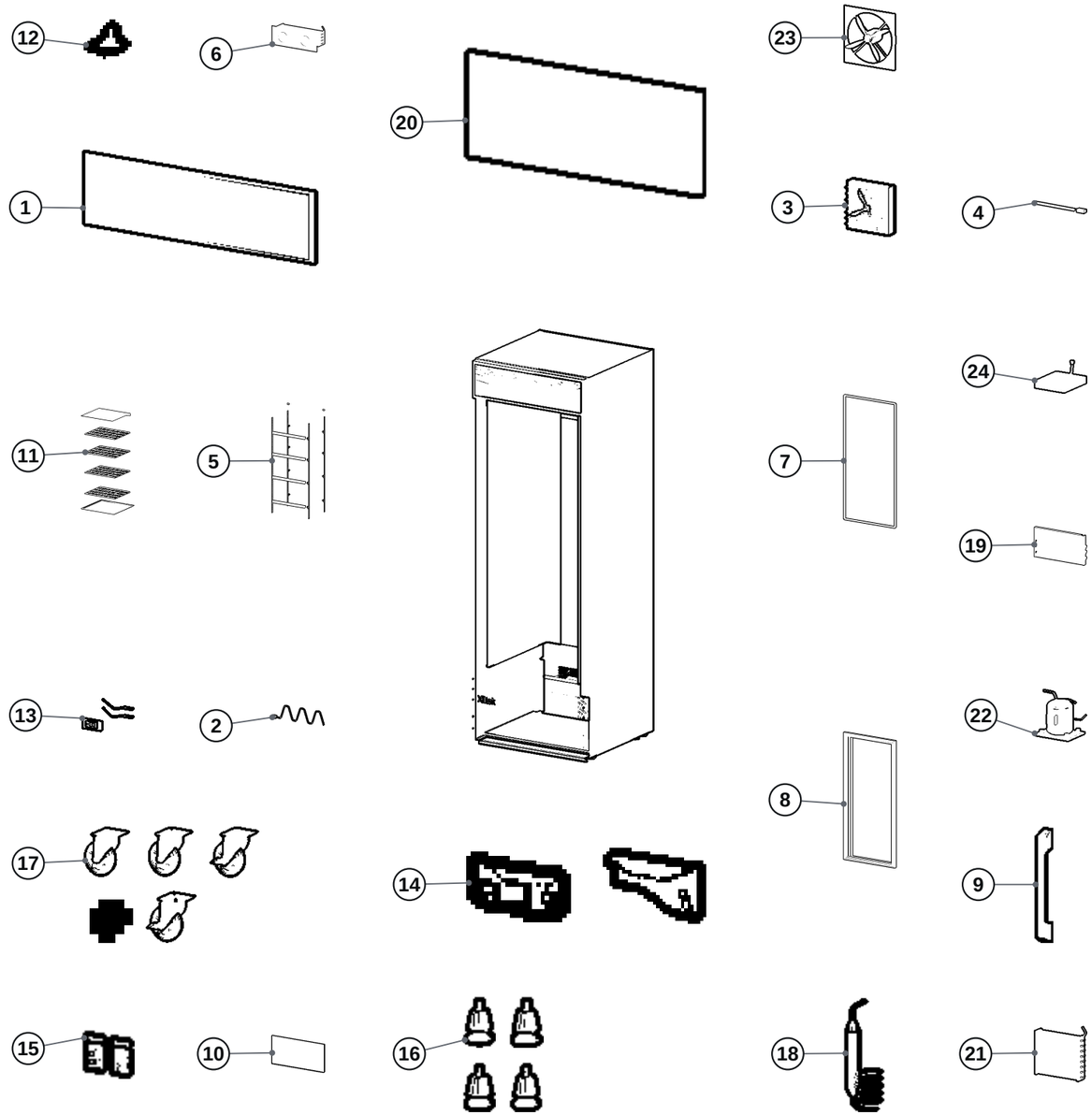
02 Inspect doors and airflow
Check gasket contact, door or drawer closure, evaporator airflow, loading and frost pattern.

03 Identify the operating state
Record cooling, defrost, fan delay, compressor delay and any alarm. Photograph the display before changing anything.

04 Inspect controls and connections
Use the cabinet wiring diagram. Check probe connections, switches, fans and outputs against the installed controller version.

05 Record and verify changes
Keep a record of original settings, adjustments and measured results. Confirm normal cycling and sealing before return to use.

Cabinet wiring comes first
Controller drawings show controller terminals only. They do not replace the wiring diagram installed on the cabinet or the equipment-specific service procedure.



PARTS LIST

ITEM	PART NUMBER	DESCRIPTION
1	XLP-00006	Blue Sign Panel
	XLP-00113	Black Frame Sign
	XLP-00234	Blue Graphic Sign Panel
	XLP-00551	Blank Sign Panel
2	XLP-00151	Replacement Drain Line Heater
	XLP-00229	Replacement Heater Blanket
	XLP-00259	Defrost Heater Fuse
	XLP-00274	Defrost Element
	XLP-00275	Defrost Element
	XLP-00286	Drain Line Heater
3	XLP-00144	4 11/16" x 4 11/16" Axial Evaporator Fan - 2900 RPM, 120V,...
4	XLP-00150	47 1/4" 7.2 Watt LED Inside Bulb
	XLP-00157	LED Plug 20" Cord
	XLP-00252	Power Supply
	XLP-00316	19 11/16" 3 Watt LED Outside Light Bulb
5	XLP-00075	42 1/2" Pilaster
	XLP-00536	Refrigeration Shelf Clip
	XLP-00553	18 1/2" Shelf Tag Holder
6	XLP-00066	Evaporator Cover
	XLP-00096	Evaporator Coil
7	XLP-00425	Door Gasket
8	XLP-00017	Right-Hinged Hinged Glass Door
	XLP-00190	Right Hinged Freezer Door
9	XLP-00058	Black Pull Handle
	XLP-00320	White Pull Handle
10	XLP-00119	Black Back Grille
11	XLP-00552	Coated Wire Shelf - 20 7/8" x 17 3/4"
12	XLP-00293	Door Switch
13	XLP-C0004	Temperature controller
	XLP-S0002	Cabinet sensor (blue)
	XLP-S0001	Evaporator sensor (black)
	XLP-C0005	Controller mounting clip
14	XLP-00042	Bottom Hinge Bracket
	XLP-00138	Door Bushing
	XLP-00356	Door Pin
	XLP-00441	Top Right Hinge
15	XLP-00045	Green Replacement On / Off and Light Switch - Old Style
	XLP-00046	Red On / Off Switch
16	XLP-00309	2 1/2" Adjustable Foot
17	XLP-00258	4" Swivel Plate Caster with Brake
	XLP-00349	4" Swivel Plate Caster
	XLP-00386	Plate Caster Bolt
18	XLP-00381	0.04" Capillary Tubing
	XLP-00382	0.046" Capillary Tubing
	XLP-00500	Filter Drier, 1/4" Sweat Fitting
19	XLP-00015	Black Front Grille
	XLP-00375	Black Front Grille
20	XLP-00092	Cover
21	XLP-00097	Condenser Coil
22	XLP-00269	Compressor
23	XLP-00049	Condenser Fan Cover
	XLP-00285	9" Fan Blade
	XLP-00288	Fan Motor
24	XLP-00125	Clear 20 mm Drain Hose
	XLP-00245	Tubing Drain
	XLP-00257	Evaporator Drain Fitting
	XLP-00307	Condensate Pan
OPTIONAL ACCESSORIES (NOT SHOWN)		
	XLP-00376	4" Swivel Plate Casters with Mounting Hardware - 4/Set
	XLP-00516	Adjustable Leg
	XLP-00517	Adjustable Leg Set - 4/Set
	XLP-00518	Adjustable Seismic Leg
	XLP-00519	Adjustable Seismic Leg Kit - 4/Set

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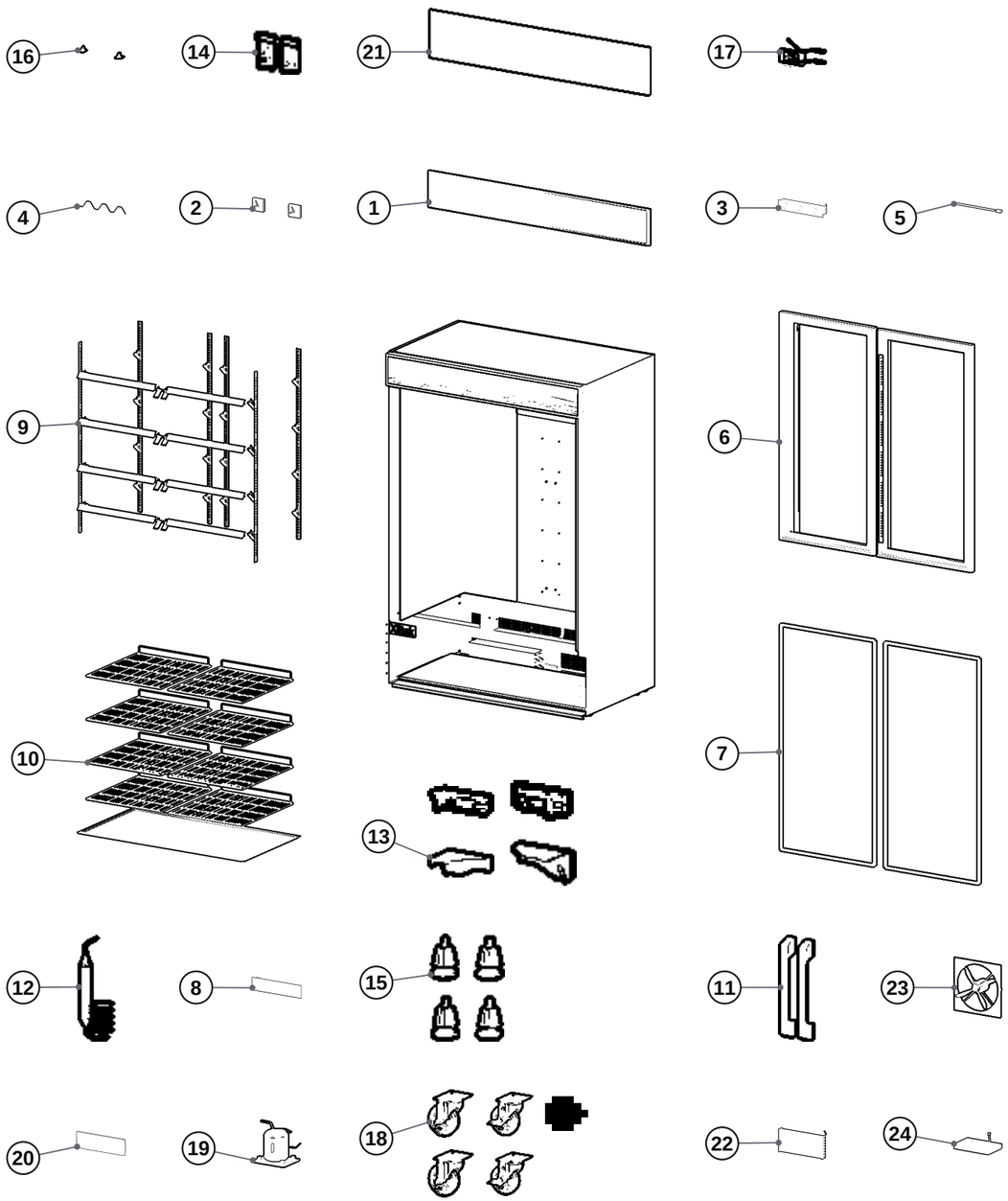
Exploded Parts Diagram

XRM-16F-HC — 27" Swing Glass Door Merchandiser Freezer

DRAWING NO.	REV	DATE	SHEET
XPD-XRM-16F-HC	A	2026-11-09	1 OF 1

SCALE: NOT TO SCALE · VIEW: ISOMETRIC, EXPLODED

Part numbers per Xiltek Parts Catalog. Internal components shown for location only. Confirm fit with model and serial number before ordering. Parts requests: xiltek.com/parts



PARTS LIST

ITEM	PART NUMBER	DESCRIPTION
1	XLP-00007	Blue Sign Panel
	XLP-00109	Black Sign Frame
	XLP-00558	Blank Sign Panel
2	XLP-00083	Evaporator Fan Motor
	XLP-00323	Evaporator Fan Blade
3	XLP-00048	Evaporator Coil
	XLP-00081	Evaporator Coil
4	XLP-00151	Replacement Drain Line Heater
	XLP-00230	Blanket Heater
	XLP-00237	Drain Pan Heater
	XLP-00239	Defrost Element
	XLP-00259	Defrost Heater Fuse
	XLP-00286	Drain Line Heater
	XLP-00334	Replacement Defrost Element
5	XLP-00150	47 1/4" 7.2 Watt LED Inside Bulb
	XLP-00157	LED Plug 20" Cord
	XLP-00158	LED Plug 5' Cord
6	XLP-00043	Left-Hinged Glass Door
	XLP-00044	Right-Hinged Glass Door
	XLP-00267	Left Hinged Freezer Door
	XLP-00268	Right Hinged Freezer Door
7	XLP-00416	Door Gasket
8	XLP-00116	Black Back Grille
9	XLP-00075	42 1/2" Pilaster
	XLP-00536	Refrigeration Shelf Clip
	XLP-00553	18 1/2" Shelf Tag Holder
10	XLP-00559	White Coated Wire Shelf - 23 1/4" x 24 3/8"
11	XLP-00058	Black Pull Handle
	XLP-00320	White Pull Handle
12	XLP-00382	0.046" Capillary Tubing
	XLP-00383	0.054" Capillary Tubing
	XLP-00500	Filter Drier, 1/4" Sweat Fitting
13	XLP-00042	Bottom Hinge Bracket
	XLP-00138	Door Bushing
	XLP-00356	Door Pin
	XLP-00440	Top Left Door Hinge
	XLP-00441	Top Right Hinge
14	XLP-00045	Green Replacement On / Off and Light Switch - Old Style
	XLP-00046	Red On / Off Switch
15	XLP-00309	2 1/2" Adjustable Foot
16	XLP-00293	Door Switch
17	XLP-C0004	Temperature controller
	XLP-S0002	Cabinet sensor (blue)
	XLP-S0001	Evaporator sensor (black)
	XLP-C0005	Controller mounting clip
18	XLP-00258	4" Swivel Plate Caster with Brake
	XLP-00349	4" Swivel Plate Caster
	XLP-00386	Plate Caster Bolt
	XLP-00063	3" Swivel Plate Caster with Brake
19	XLP-00145	Compressor
20	XLP-00016	Black Front Grille
	XLP-00373	Black Grille
21	XLP-00092	Cover
22	XLP-00192	Condenser Coil
	XLP-00204	Condenser Coil
23	XLP-00031	Fan Motor
	XLP-00055	9 1/16" Condenser Fan Blade
	XLP-00085	Condenser Fan Motor
	XLP-00100	10" Condenser Fan Blade
	XLP-00285	9" Fan Blade
24	XLP-00125	Clear 20 mm Drain Hose
	XLP-00245	Tubing Drain
	XLP-00257	Evaporator Drain Fitting
	XLP-00307	Condensate Pan

OPTIONAL ACCESSORIES (NOT SHOWN)	
XLP-00376	4" Swivel Plate Casters with Mounting Hardware - 4/Set
XLP-00516	Adjustable Leg
XLP-00517	Adjustable Leg Set - 4/Set
XLP-00518	Adjustable Seismic Leg
XLP-00519	Adjustable Seismic Leg Kit - 4/Set

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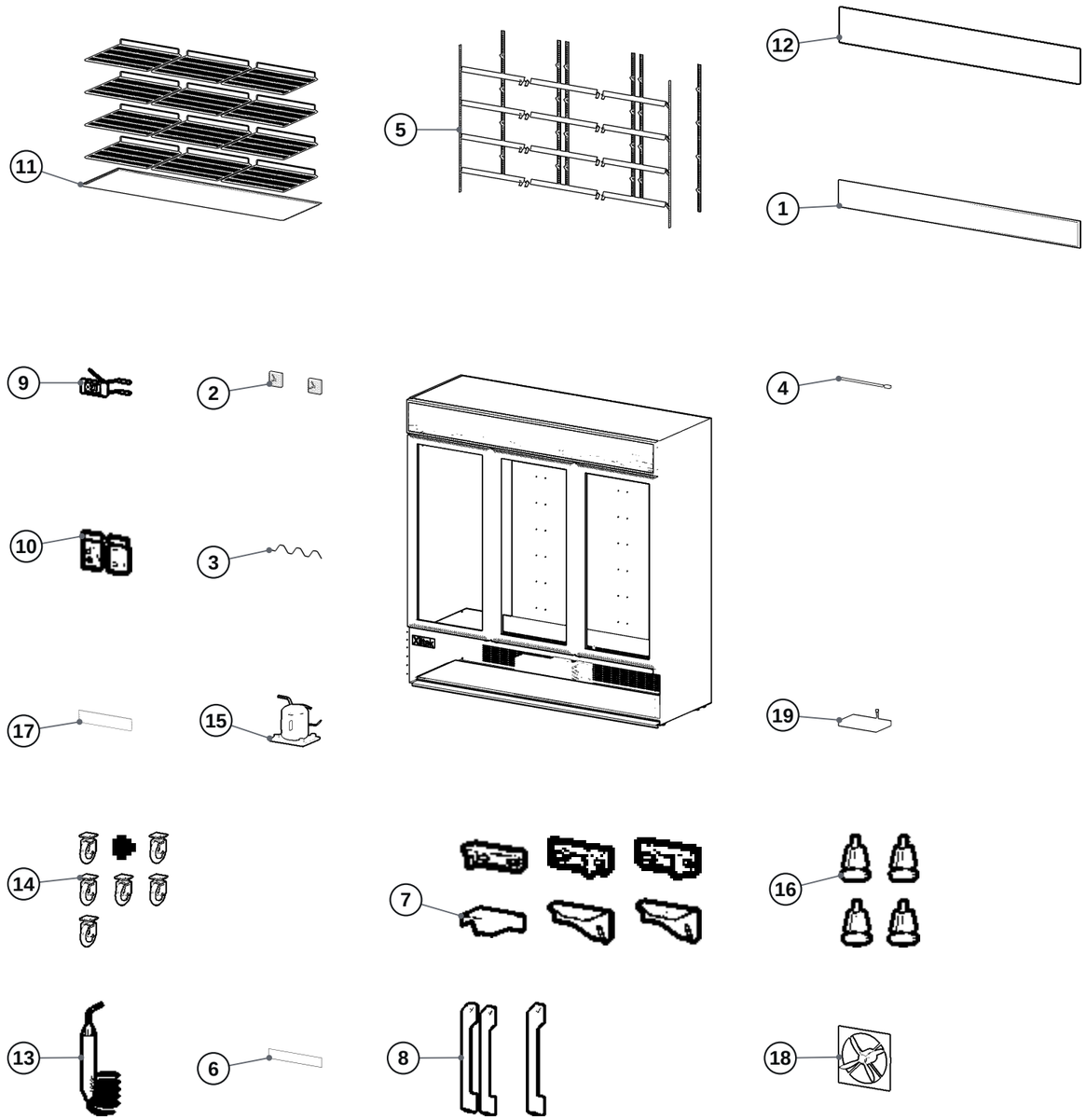
Exploded Parts Diagram

XRM-49F-HC — 53" Double Swing Glass Door Merchandiser Freezer

DRAWING NO.	REV	DATE	SHEET
XPD-XRM-49F-HC	A	2026-11-09	1 OF 1

SCALE: NOT TO SCALE · VIEW: ISOMETRIC, EXPLODED

Part numbers per Xiltek Parts Catalog. Internal components shown for location only. Confirm fit with model and serial number before ordering. Parts requests: xiltek.com/parts



PARTS LIST

ITEM	PART NUMBER	DESCRIPTION
1	XLP-00008	Blue Sign Panel
	XLP-00112	Black Sign Frame
	XLP-00233	Blue Graphic Sign Panel
	XLP-00561	Blank Sign Panel
2	XLP-00083	Evaporator Fan Motor
	XLP-00323	Evaporator Fan Blade
3	XLP-00151	Replacement Drain Line Heater
	XLP-00237	Drain Pan Heater
	XLP-00239	Defrost Element
	XLP-00259	Defrost Heater Fuse
4	XLP-00150	47 1/4" 7.2 Watt LED Inside Bulb
	XLP-00158	LED Plug 5' Cord
	XLP-00160	LED Light Plug
	XLP-00251	LED Light Ballast
	XLP-00314	39 3/8" 6 Watt LED Outside Light Bulb
5	XLP-00075	42 1/2" Pilaster
	XLP-00536	Refrigeration Shelf Clip
	XLP-00557	21 1/2" Shelf Tag Holder
6	XLP-00118	Black Back Grille
7	XLP-00042	Bottom Hinge Bracket
	XLP-00138	Door Bushing
	XLP-00198	Bottom Left Hinge
	XLP-00356	Door Pin
	XLP-00440	Top Left Door Hinge
	XLP-00441	Top Right Hinge
8	XLP-00058	Black Pull Handle
	XLP-00320	White Pull Handle
9	XLP-C0004	Temperature controller
	XLP-S0002	Cabinet sensor (blue)
	XLP-S0001	Evaporator sensor (black)
	XLP-C0005	Controller mounting clip
10	XLP-00045	Green Replacement On / Off and Light Switch - Old Style
	XLP-00046	Red On / Off Switch
11	XLP-00460	Coated Wire Middle Shelf - 23" x 25 3/4"
	XLP-00484	Left and Right Shelf
12	XLP-00092	Cover
13	XLP-00500	Filter Drier, 1/4" Sweat Fitting
14	XLP-00258	4" Swivel Plate Caster with Brake
	XLP-00349	4" Swivel Plate Caster
	XLP-00386	Plate Caster Bolt
15	XLP-00145	Compressor
16	XLP-00309	2 1/2" Adjustable Foot
17	XLP-00014	Black Front Grille
18	XLP-00031	Fan Motor
	XLP-00085	Condenser Fan Motor
	XLP-00100	10" Condenser Fan Blade
	XLP-00285	9" Fan Blade
19	XLP-00120	Drain Pipe
	XLP-00121	Drain Pipe Nut
	XLP-00125	Clear 20 mm Drain Hose
	XLP-00155	Condensate Pan
	XLP-00257	Evaporator Drain Fitting
OPTIONAL ACCESSORIES (NOT SHOWN)		
	XLP-00516	Adjustable Leg
	XLP-00532	Adjustable Leg Set - 6/Set
	XLP-00518	Adjustable Seismic Leg
	XLP-00527	Adjustable Seismic Leg Kit - 6/Set
	XLP-00535	4" Swivel Plate Casters with Mounting Hardware - 6/Set

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Exploded Parts Diagram

XRM-53F-HC — 79" Triple Swing Glass Door Merchandiser Freezer

DRAWING NO.	REV	DATE	SHEET
XPD-XRM-53F-HC	A	2026-11-09	1 OF 1

SCALE: NOT TO SCALE · VIEW: ISOMETRIC, EXPLODED

Part numbers per Xiltek Parts Catalog. Internal components shown for location only. Confirm fit with model and serial number before ordering. Parts requests: xiltek.com/parts

Controller programming



SET + DOWN



Select / edit



SET to save

Qualified technicians
Record the complete controller model, cabinet nameplate and existing settings. Disconnect electrical connections before servicing. The controller cannot be used as a safety device.

01 **Enter the menu**
Hold SET + DOWN for about three seconds until the temperature-unit indicator flashes.

02 **Select and edit**
Select a parameter with the arrows. Press SET to view its value, change it with the arrows, and press SET to store.

03 **Exit**
Press SET + UP or wait about 15 seconds. The stored value remains saved; exiting does not undo a change.

Hidden menu and keyboard

After first-level entry, release the keys, then hold SET + DOWN for more than seven seconds to reach L2. If nP appears, continue to the hidden level. SET + DOWN can move a parameter between hidden and first-level menus; the decimal point marks first-level visibility.

Hold UP + DOWN for more than three seconds to lock or unlock. OF indicates locked; On indicates unlocked.

Manual defrost

Hold DEF for more than two seconds to start manual defrost when conditions permit. Do not change the defrost type without matching the cabinet system.

This controller supports electric or hot-gas defrost by td. With P2 enabled, evaporator temperature may terminate defrost at dE; Md limits duration. Fan mode, delay and stop temperature must match the cabinet.

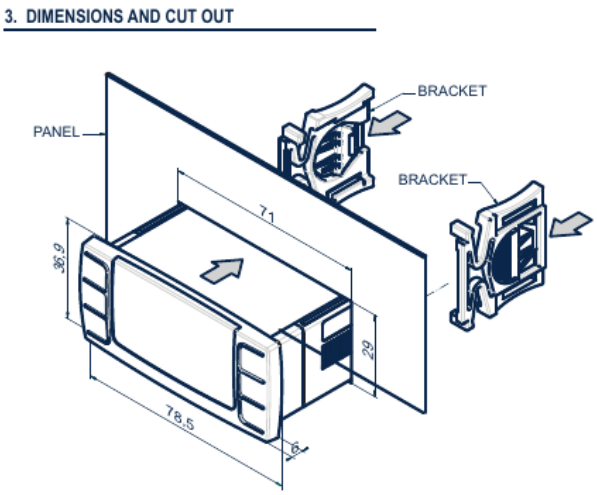
Alarm codes and digital inputs

Display	Meaning	What to check
P1	Room probe fault	Probe connections first; the compressor uses its configured fault ON/OFF timing.
P2	Evaporator probe fault	Probe connections; defrost termination becomes timed.
HA / LA	High / low temperature alarm	Check load, doors, airflow and the configured alarm limits. Outputs normally remain unchanged.
EA	External alarm	Check the external input and delay. Outputs normally remain unchanged.
CA	Serious external alarm	Check the external input. Outputs switch off.
dA	Door-open alarm	Check the door and switch. Output behavior follows the installed door-input configuration.

Check before replacing a probe
Probe alarms clear after the probe returns to normal operation. Inspect connections first. Temperature alarms clear when the reading returns to the permitted range.

Digital-input options and labels depend on controller version. Door input can suppress high and low temperature alarms while active. Do not confuse an alarm label with a parameter that uses the same letters.

Controller mounting and probes



Panel opening and retaining bracket for the XR controller family.

Item	Requirement
Panel opening	71 x 29 mm, on a vertical panel. Fit the supplied retaining bracket.
Front / depth	32 x 74 mm front; 60 mm depth in the referenced controller family. Confirm the actual instrument.
Operating conditions	0 to 60°C; avoid moisture, condensation, vibration, dirt and corrosive gas. Keep ventilation openings clear.
Terminals	Up to 2.5 mm² cable in the illustrated screw terminals. Match supply voltage and relay rating.
Probe placement	Mount bulbs upward. Keep the room probe away from direct air streams. Place the evaporator probe at the appropriate cold spot, away from heaters.

Protect the instrument
Do not open the housing. Keep probe, power and output wiring separate. Match the complete instrument label before replacement.

Controller parameters

Use the installed configuration
The following values are generic controller-chart defaults from the matching Dixell family. They are not approved cabinet setpoints. Check firmware, units and the stored values before any change.

Code / function	Range / chart default	Purpose
Set Setpoint	LS-US Default: -5.0	Compressor cut-out target in cooling mode.
Hy Differential	0.1 to 25°C/ 1 to 45°F Default: 2.0°C/4°F	Compressor restarts at SET + Hy in cooling mode.
LS Minimum setpoint	-55°C to SET/ -67°F to SET Default: -55°C/ -55°F	Restricts the permitted setpoint range; Fahrenheit range depends on display units.
US Maximum setpoint	SET to 99°C/ SET to 99°F Default: 99°C/99°F	Restricts the permitted setpoint range; Fahrenheit range depends on display units.
ot Room probe offset	-9.9 to 9.9°C/ -17 to 17°F Default: 0.0	Offsets room / evaporator probe readings.
P2 Evaporator probe	n / y Default: y	With a fitted probe, defrost may end by coil temperature.

Code / function	Range / chart default	Purpose
oE Evaporator probe offset	±9.9°C / ±17°F Default: 0.0	Offsets room / evaporator probe readings.
od Startup output delay	0 to 99min Default: 0	Inhibits outputs immediately after startup.
AC Anti-short-cycle delay	0 to 50min Default: 1	Minimum compressor stop-to-restart interval.
Cy Fault ON time	0 to 99min Default: 15	Compressor ON / OFF times with a failed room probe. Cy=0 means off; Cn=0 means continuously on.
Cn Fault OFF time	0 to 99min Default: 30	Compressor ON / OFF times with a failed room probe. Cy=0 means off; Cn=0 means continuously on.
CF Temperature units	°C/°F Default: °C/°F	Check SET, Hy, limits, offsets and alarm values after changing units.
rE Display resolution	dE-in Default: dE	Decimal or integer Celsius display.
Ld Display selection	P1-P2-SP Default: P1	Room probe, evaporator probe or setpoint where supported.
dy Display delay	0 to 15min Default: 0	Delays display increases by the configured interval.
td Defrost method	EL-in Default: EL	Electric heater with compressor off, or hot gas with compressor on.

Code / function	Range / chart default	Purpose
dE Defrost end temperature	-55 to 50°C/ -67 to 99°F Default: 8.0°C/ 46°F	Coil temperature that ends defrost when the evaporator probe is enabled.
id Defrost interval	0 to 99h Default: 6	Time between starts of consecutive defrost cycles; verify units on the installed firmware.
Md Defrost duration	0 to 99min Default: 30	Timed duration without a probe; maximum duration with probe termination. Zero can disable defrost.
dd Initial defrost delay	0 to 99min Default: 0	Offsets the start of defrost to spread electrical loading.
dF Defrost display	rt-in-SP-dF Default: it	Live temperature, initial temperature, setpoint or defrost label.
dt Drip time	0 to 99min Default: 0	Drip delay after defrost; whether defrost starts at power-on.
dP Startup defrost	y-n Default: n	Drip delay after defrost; whether defrost starts at power-on.
FC Fan mode	cn-on -cY-oY Default: o-n	cn: with compressor, off in defrost. on: continuous, off in defrost. cY: with compressor, on in defrost. oY: continuous including defrost.
Fd Fan delay after defrost	0 to 99min Default: 10	Delays fan restart after defrost.
FS Fan stop temperature	-55 to 50°C/ -67 to 99°F Default: 2.0°C/ 36°F	Stops fans above the evaporator temperature limit.

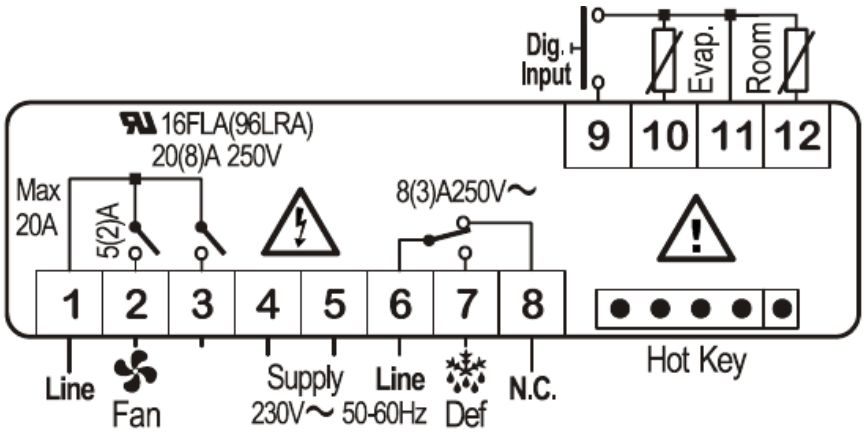
Code / function	Range / chart default	Purpose
AU High alarm limit	ALL to 99°C/ ALL to 99°F Default: 99°C/ 99°F	Enables alarms after the configured delay.
AL Low alarm limit	-55°C to ALU/ -67°F to ALU Default: -55°C/ -55°F	Enables alarms after the configured delay.
Ad Alarm delay	0 to 99min Default: 15	Temperature alarm delay / alarm exclusion after startup.
dA Startup alarm exclusion	0 to 99min Default: 90	Temperature alarm delay / alarm exclusion after startup.
iP Input polarity	cL-oP Default: cL	Defines activation by opening or closing the external contact; verify firmware mapping.
iF Input function	EA/bA/do/ dF/Au/db/ Hc Default: do	External alarm, serious alarm, door, defrost, auxiliary or heating/cooling inversion; options vary.
di Input / door alarm delay	0 to 99min Default: 15	Delay before external or door alarm signaling.
dC Door-open outputs	no/Fn/cP/ Fc Default: FC	Normal, fans off, compressor off, or both off.
rd Door-open regulation	n-Y Default: y	Whether regulation restarts after the input delay with a door alarm.

Controller wiring

Controller terminals only
Match the complete controller label and terminal markings. This drawing does not replace the full cabinet wiring diagram. Isolate power before making connections.

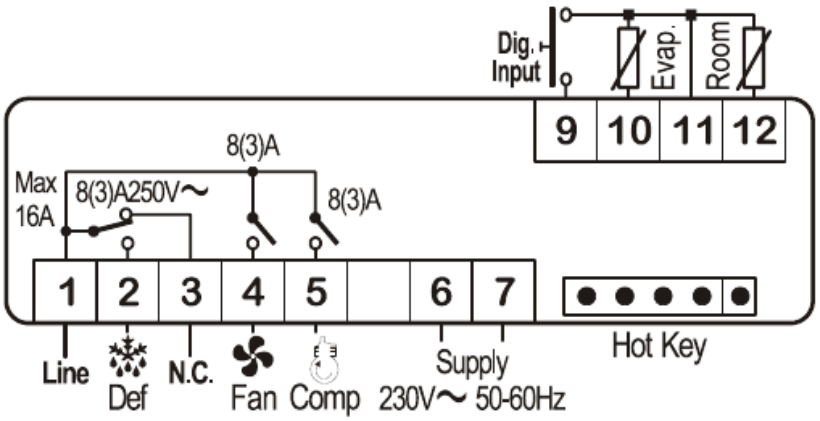
Isolate power and identify the version
These terminal layouts are for the shown XR06CX variants. Relay ratings and supply terminals differ. Use the controller label and cabinet wiring diagram.

XR06CX 20 + 8 + 5 A or 16 + 8 + 5 A



Shown supply connection at terminals 4-5; match the installed voltage and relay version.

XR06CX 8 + 8 + 8 A



Shown supply connection at terminals 6-7; do not transfer the upper layout to this version.

The drawings show mains-voltage variants. Low-voltage instruments and differently rated relays use their own terminal and supply requirements. Never identify a supply terminal by cabinet appearance alone.

Probe wiring must remain separate from power and load wiring. Use an external relay if the load exceeds the permitted contact rating. Do not identify terminals by cabinet appearance.

Hot key transfer

Upload from a programmed controller

01 **Confirm the configuration**
Verify the cabinet settings before copying.

02 **Insert while powered on**
Insert the hot key and press UP. The display shows uP, then flashing Ed.

03 **Confirm and remove**
Press SET. Switch off, remove the key and switch on again.

Download into a matching controller

01 **Switch off and insert**
Match the target controller and cabinet application.

02 **Switch on**
The display flashes do, then Ed. After about 10 seconds the controller restarts. Remove the key and verify the values.

> **If Er appears**
> Programming failed. Use the controller-specific retry procedure or remove the hot key to abort. Recheck stored values before service.

Maintenance record

Keep this record with the cabinet. Record the model, serial number and service contact for future checks.

Model _____

Serial number _____

Service provider _____

Phone _____

Date	Task / observation	Completed by

Long periods without use
Unplug, clean and dry the cabinet. Leave the door slightly open only when the stored cabinet is secured against unauthorized access. Protect against moisture and odor.

Keep purchase details and service records. Ask your seller for the warranty that applies to your cabinet and purchase.