

OPERATING AND INSTRUCTION MANUAL

AC SERIES GLASS DOOR MERCHANDISERS







Before Installing your cooler, read these instructions carefully.

SAFETY PRECAUTIONS

• The purpose of the safety precautions in this manual is to ensue safe and correct use of the unit to minimize risks that could cause serious damage and injury to you or other persons. The safety precautions are divided into WARNINGS and CAUTIONS. Cases where improper handing of the unit could lead to death or serious injury are listed under the "AWARNING" heading. However, the cases listed under the "ACAUTION" heading could also lead to serious results. To ensure the safety, adhere strictly to both types of safety precautions.

- Text set off by the exclamation mark contains information that should be strictly adhered to.
- After reading the instruction manual, store it an easily accessible place where the user(s) of this product can easily find it.

PRECAUTIONS FOR INSTALLATION

AWARNING



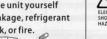
Installation should be performed only by the dealer or a qualified expert. Attempting to install the unit yourself could result in water leakage, refrigerant leakage, electrical shock, or fire.

PRECAUTIONS FOR INSTALLATION

△ WARNING



Installation should be performed only by the dealer or a qualified expert. Attempting to install the unit yourself could result in water leakage, refrigerant leakage, electrical shock, or fire.





Never splash water directly onto the product or wash with water as short circuit and electrical leakage could result.



Do not damage, modify, excessively bend,

strain, twist or bundle up the power cord.

or squeezing it in a tight place could damage it, possible resulting in electrical

shock or fire.

Also, placing heavy objects the power cord



Never put flammable or volatile substances into the unit as explosion and fire could







Use a dedicated wall outlet. Do not use extension cords or convenience receptacles as this could result in electrical shock, overheating and a fire



Never use flammable spray cans or leave flammable substances near the unit. Sparks from electrical switches could result in explosion and fire



SAFETY PRECUATIONS

△WARNING



The cooler is intended for storage and display of beer and beverage for sale. Do not use for other purpose than the intended as this could adversely affect items placed in the unit.



Never attempt to insert fingers, sticks, etc.fan is rotating at high speed inside the outlet.Injury, electrical shock and improper operation could result.





For indoor use only. Using the unit in a location exposed to rain could result in electrical leakage and electrical shock.



Never place heavy objects or items containing water op top of the unit. Objects could fall down and cause injury and spilled water could deteriorate the insulation of electrical components and result in electrical leakage.





Install the unit in a location where the floor is sturdy enough to support the load of the unit. If the floor is not sturdy enough or installation is incorrectly performed, the unit could tip over and falling shelves and products could cause personal injury.



If you find gas leakage, please don't touch the cooler and close gas and open the door for ventilation. Gas leakage cause explosion, fire and fire injury.



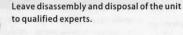


Store the unit in a location where it is not exposed to rain. Using a unit that has been exposed to rain could result in electrical leakage and electrical shock.



Away from hot air sources. Cooling performance is reduced if the unit is placed near heat sources such as hot plates and stoves and if it is exposed to direct sunlight.







Should the unit need temporary storage, make sure not to store the unit in a location where children play and take precautions so that the door cannot be completely closed. This will minimize the risk that a child becomes trapped inside the compartment.

△ WARNING

WELL VENTILATED PLACE

Please make more than 10cm space between cooler and wall. If there are no space, cooling capacity can drop down.



If installation in a damp location is unavoidable, also install an electrical leakage circuit breaker. If no electrical leakage circuit breaker is installed, electrical shock could result.





Never hang from the door or climb onto the unit. The unit could tip over or fall and cause material damage or injury.

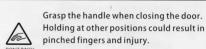


Disconnect the power cord plug from the wall outlet before moving the unit and make sure that the power cord is not damaged during transport. A damaged power cord could result in electrical shock and/or fire











Do not push hand against or apply excessive force to glass surfaces as the glass could break and cause injury.





When disconnecting the power cord plug from the wall outlet, hold at the plug main body close to the outlet. Pulling the cord could cause wire breakage, possible resulting in overheating and fire.



Make sure that the unit does not tip over or fall when it is moved. A falling unit could cause serious injury.









Do not throw items onto the shelves and do not place items totaling more than 30kg on each shelf. The shelf could fall down, possibly cause injury.



Be sure attach and secure shelves correctly. An improperly attached shelf could fall down and cause injury.





HOW TO USE

BEFORE USE

- Remove shipping package, tape, etc and leave doors open ventilation for a while.
- The unit is cleaned before shipment. However, clean the compartment interior once after delivery
- Please insert power supply plug into the wall outlet, single-phale to cat voltage.
- Allow the unit to operate for about 1 hour to cool the compartment before placing items in the cooler

WAIT 5 MINUTES OR MORE BEFORE RE-STARTING

 Restarting the unit immediately after it has been turned off may cause fuses to blow and activate the circuit-breaker, the compressor may be overloaded, and/or other damage may occur

TEMPERATURE ADJUSTMENT

• For showcase cooler, the interior temp. during fully loaded at factory default setting of position at 4-5 will be kept at 0-10°C. If the ambinet temp. is extremely high or the stuffing food inside is too much, that might cause the interior temp. a little bit higher. So, it would be better turn the thermostat right so as to maintence the right temp. On the opposite, if the ambinet temp, is very low or empty loaded, or in less food storage, the interior temp. might be able to reach minus 0 $^{\circ}$ C, and in return to cause the evaporator ice up; Thus, it would better switch the thermostat back to left so as to relieve something.

DRAIN TRAY

- Defrosting is performed automatically and drain water is collected in the drain tray.
- Water is in the drain tray is evaporated automatically. In humidity, large amount of water in the drain tray, so please throw away drain water once a day.

EFFICIENT USE

Please follow the below instruction, you could save energy.

- To prevent cold air from escaping, open and close the door quickly and keep the door opened for as short a time as possible.
- Please install the unit in the place which is well-ventilated.

SHELF HEGITH ADJUSTMENT

The shelf height can be adjusted

Arrange the shelves in accordance with the dimensions of the items to be placed in the cooler.

PLACING ITEMS IN THE SHOWCSE

This showcase employs a forced circulation of cold air system. If circulation of cold air is obstructed, the items will not be adequately refrigerated. Pay attention to the following points:

- Do not let items obstruct the cold air inlet and suction outlet.
- Place items so that they do not protrude from the shelves. The gap between the shelves and the door is
 used for circulation of cold air.
- Place items evenly on all shelves.
- Please do not display goods on the bottom. Please put goods on the shelf.

CLEANING

AWARNING

To prevent any electrical shock hazards or injury by rotating circulation fan, always disconnect the power cord plug from the wall outlet before cleaning.

EXTERIOR AND COOLER COMPARTMENT

Wipe with a soft, dry cloth. If very soiled, wipe with a cloth that has been moistened with a detergent. Then
wipe with a cloth that has been dipped in water.

△ WARNING

WARNING: Do not splash water directly onto the cooler and do not wash with water. Short-circuit and electrical shock could result.

- Clean the cooler regularly to keep it clean at times.
- Never use polishing powder, soap powder, benzene,Oil or hot water as these will damage the painting and Plastic components



CHECKS

To ensure the safety, perform the following checks after cleaning.

- Is the power cord plug firmly inserted into a dedicated wall outlet? Confirm that the plug is not abnormally hot.
- Check the power cord for cracks and damage. Should the slightest irregularity be observed, contact the dealer from whom you purchased this unit or our customer's service.

In case the unit shows operating problems, check the following prior to calling the authorized service company:

SYMPTOMS	POSSIBLE CAUSE	SOLUTION
The unit is not	Faulty electrical contact	Verify electrical connections
operating	Poor electrical power	Check the power connection and electrical outlet
	Thermostat setting "0"	Change the thermostat setting to a higher number
Not reaching	Unit is exposed to direct sun light	Relocate the unit to a shaded area
desired temperature	Thermostat is not propertly adjusted Adjust the thermostat setting to a higher	
	Clogger condenser	Review Maintenance instrutions listed in the manual
	Blocked grills	Clean the grills of any debris collected
	Door not properly closed	Check the leveling of the unit and door seal
	Products poorly distributed or excess product load	Redistribute the product load according Start instrutions
	For Models with electronic temperature controller, indicates E0 or E1	Unplug the unit from the outlet. If the error continues, contact an authorized service technician
Abnormal noises	The unit is not properly level	Level the unit following the Installation instructions
	Friction with other objects	Move the unit and avoid contact with other objects
Water on the floor	Drain hose is outside of the drain pan	Lovate the hose in the drain pan

WARRANTY & SERVICE

- Warranty is valid for one year from the date of purchase.
- The warranty covers defective parts and workmanship. The following items are not covered under warranty:
 - 1.Loss of products.
 - 2. Damages caused by transportation.
 - 3.Damages caused by modifications made by unauthorized individuals.
- 4. Fluorescent lights, glass parts or plastic component parts.
- 5. Worn out plugs or defective electrical components.
- 6.Maintenance of the unit.
- Warranty is valid showing the purchase receipt.
 We offer a professional service network which offers the necessary technical support for your unit.

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STC-104S-02 Operation Instructions

which is easy to install; Control compressor ≤ Self-diagnosis. 1HP; Display and control temperature; Thin waterproof design; An external transformer, Forced stop the unit; Setting memory;

Technical Parameters

- 2.2 Sensor: NTC 2-meter-long 2.1 Power supply: 12V AC (one transformer could only be applied for one controller.)
- 2.3 Temperature display range: (regardless of plus or minus)
- 2.4 Temperature controlling range: -50 °C ~ + 99 °C Accuracy: 1 °C
- 2.5 Appearance Size: -50°C ~ + 99°C Default: 4°C
- (W) 77 mm × (H) 35 mm × (D) 30 mm
- 2.6 Installation hole size: (W) 71 mm × (H) 29 mm 2.7 Operating temperature: -10 °C \sim + 60 °C
- (No condensate) Relative humidity: 20%~90%
- 2.8 Relay capacity of compressor. 30A/250VAC (normally open)

3.Panel Instructions:



4. Operation and Parameters Instructions:

4.1Controlling temperature calibration: then press 🖭 to exit and display the storage temperature; calibrate and save the setting values controlling temperature. Press≜ or to Press set , the screen flashes to display

4.2Refrigeration indicators: temperature if no button operation in 10 sec. The unit will exit to display the storage

Indicator light on: the unit is in refrigeration

Indicator light off: the unit is in constant

temperature status;

defrost status. compressor delay protection or stop to Indicator light flashes: the unit is in

4.3Defrosting indicators: status; Indicator light on: the unit is in defrosting

Indicator light flashes: the unit is in the

4.4Manual start up/end defrosting: Press 등 & ∰ for more than 10 sec., the unit could start up / end defrosting status. delay protection status after defrosting.

4.5 Parameter Setting: ♦Pressा for more than 6 sec. to enter

- parameter setting status, E1 flashes simultaneous;
- ♦Press ि again to choose the parameter, it displays E2, E3, E4, E5 and E1 in turn;
- ◆Press≜or ♥ to calibrate and save the setting values
- The unit will exit to display the temperature if no button operation in 10 sec.

2,0	J 01 ~ J 01 -	Sensor calibration	E2
.nim &	.nim 01 ~ 0	Delay time for start up	Þ∃
್ತಿ ತ	J, 07 ~ J, 1	Temperature difference	E3
J 8	3° ee + ∞ enuterature controlling temperature	Max. controlling temperature	Z3
J.05-	enutrenequet gaillorinoo ~ 5° 02-	Min. controlling temperature	Ei
Default	Setting range	Function	Parameter

4.6Restore default:

parameters will restore to default values. Press ≜ + ▼ together for more than 10 sec., the screen display flashes. All The unit will exit to normal working status

4.7Parameter lock:

flashe'ON' to indicate unlocks the parameters temperature could be only watched but not (Default is ON') calibrated in the lock status. The screen been locked. The parameters and controlling flashes 'OFF' to indicate the parameters has Press ♥ for more than 10 sec. the screen

5.Function Instructions

- 5.1 Temperature controlling:
- ◆Electrify the unit for more than the delay time, controlling temperature, compressor stops working. When temperature is lower than the temperature + temperature reference. temperature is higher than the controlling compressor starts up when the storage
- ◆ To protect compressor, To protect compressor, compressor could be start up again. than the delay time (refer to E4) then the the stop time for compressor must be longer
- 5.2 Timing defrosting. ◆ The unit will stop to defrost automatic after (refer to F1). status automatically when defrosting ending the unit will enter the temperature controlling compressor stops to work and fan starts up, running a period (refer to F2). The
- ♦ If F4=1, the screen displays the temperature returns to display the normal temperature. displays the delay time set by F6, the screen defrosting finishes, the storage temperature of the point at the defrosting start; After the
- ◆The defrost function will be cancelled when the defrosting cycle is 00.

Temperature diffe	E3
Max. controlling tem	ES
Min. controlling temp	El
Function	Parameter
normal working status automatically. ◆ Press SET and ▼ for more than 6 sec to enter the parameter setting status, the screen displays F1, press SET to display F2,F4 in turn. Press ▲ or ▼ to calibrate and save the	♦ In normal working status, and the value of F2 is not 0, press ☐ and ∰ for more than 10 sec. to forced enter the defrost status. It'll

◆The unit will exit to display the temperature if setting values.

				_
im 0 t	.nim 06 ~ t	Temperature display lock after defrosting	9∃	no button
ı	0: Normal temperature 1: Temperature when defrosting start.	Temperature display gnitsorieb nehw	₽∃	on operation
1049	0 ~ 24 hour	Defrosting cycle	FS	3
im 8S	.nim 08 ~ 1	Defrosting time	F1	10 sec.
Defau	Setting range	Function	Parameter	

5.3 Abnormal working status:

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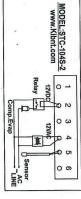
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- the Max temperature limit(>99°C) is in short circuit, or the temperature exceeds HHH: Probe of storage temperature sensor
- compressor will working 15min. and stop the temperature exceeds the Min LLL: Probe doesn't connect to the circuit or The unit will enter into timing status, and temperature limit (<-50°C);
- Wiring Diagram:

working for 45 min...



7. Warnings:

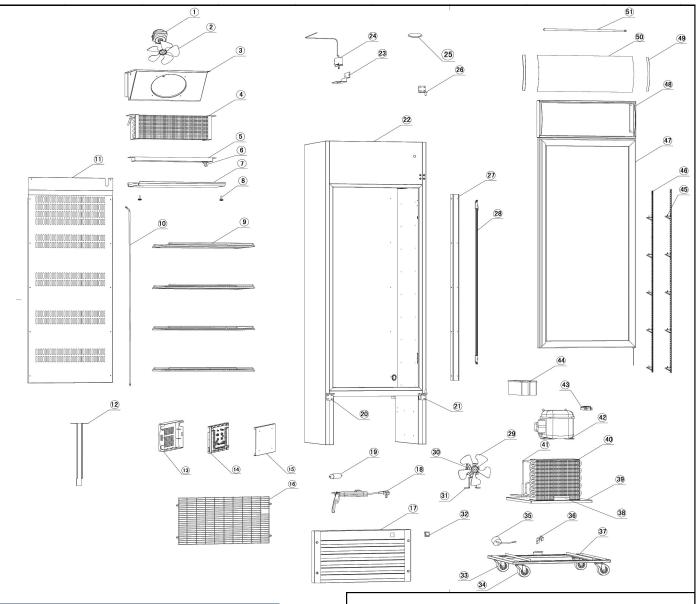
- 7.1 Strictly distinguish the sensor down-lead metal probe of sensor toward up. or overloading the relay. Ensure to keep the one another, and prohibit wrong connections power wire and output relay interface from
- 7.2 Prohibit connecting the wire terminals interference or strong corrosion. damp, high temp., strong electromagnetism machine under the environment of over without electricity cut-off. Prohibit using the
- 7.3 The power supply should conform to the keep the voltage stable. voltage value indicated in the instruction and
- 7.4 To avoid the interference, the sensor measuring accuracy. away from the venthole to improve the distance. The sensor should be installed down-lead and power wire should be kept a

8. Accessories:

- 8.1 An external transformer 8.2 An external relays



No.	Part Name	Austwide Part No.
1	Evaporator fan motor	17222
2	Evap Fan Blade	
3	Evap fan cover	
4	Evaporator	
5	Evaporator Drain Pan	
6	Drainage Sucker	
7	Top Plate of air distributing panel	
8	Plastic Screw	
9	Shelf	
10	Tube of air return	
11	Air distribution panel	
12	Support of cabinet	
13	Cover of drawer type electrical box	
14	Drawer type electrical box	
15	Trail of wire installation plate	
16	Back net	
17	Front grill kits	
18	Cable	
19	Filter	
20	Door support	
21	Right bottom hinge	
22	Cabinet	
23	Fixed plate of thermostat	
24	Mechanical thermostat	
25	Thermometer	
26	Right upper hinge	
27	Support of air distribution panel	
28	Right LED kit	
29	Condenser fan blade	
30	Condenser motor	
31	Condensing motor bracket	
32	Switch	
33	3inch castor	
34	3inch castor with brake	
35	Capacitor	
36	Overload protector	
37	Unit base Support	
38	Handle of cooling unit	
39	Support plate of cooling unit	
40	Condenser	
41	Assisting Condenser	
42	Compressor	
43	Wiring box	
44	Drain pan	
45	K Clip	
46	K Support	
47	Right glass door kits	
48	Canopy Kits	



No. Part Name Austwide Part No. 49 Holder of canopy sticker 50 Condenser fan motor 51 ... 52 ... 55 ... 56 ... 57 ...

AC720 Parts List

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No.	Part Name	Austwide Part No.
1	Left Side Panel of Eva Fan cover	
2	Right Side Panel of Eva Fan cover	
3	Evap Fan Blade	
4	Evap fan cover	
5	Evaporator fan motor	17222
6	Evaporator Drain Pan	
7	Evaporator	
8	air Distribution Panel	
9	Led Kit Left	
10	middle bracket of air distribution panel	
11	K Support	
12	Tube of air return	
13	K Clip	
14	Support of air distribution panel	
15	Kit of Right LED	
16	Bracket for drain pan	
17	Fixed plate of air distributing top panel	
18	Axis	
19	Drainage Sucker	
20	Cabinet Body	
21	Canopy LED Light + Driver	
22	Bracket of Canopy Panel	
23	Canopy panel	
24	Canopy Kits	
25	Accessories for Right Door	
26	Left Air Distribution Panel	
27	Upper Bracket of Air Distributing Panel (middle)	
28	Small bracket of air Distributing Panel	
29	Right Air Distributing Panel	
30	Bottom Right Hinge	
31	Left Bottom Door Hinge	
32	Digital Controller	17218
35	On/OFF Switch	
36	Front Grill	17231
37	Back Net	
38	Unit Base Support	
39	Castor	17219
40	Castor with Brake	17220
41	Support Panel of Cooling Unit	
42	Electrical Box	
43	Dryer	
44	Assisting Evaporator	1
45	Filter	
46	Condenser Fan bracket	
47	Handle of Cooling Unit	
48	Main Lead	
49	Overload Protector	+
50	Relay	-

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Screw

Shelf

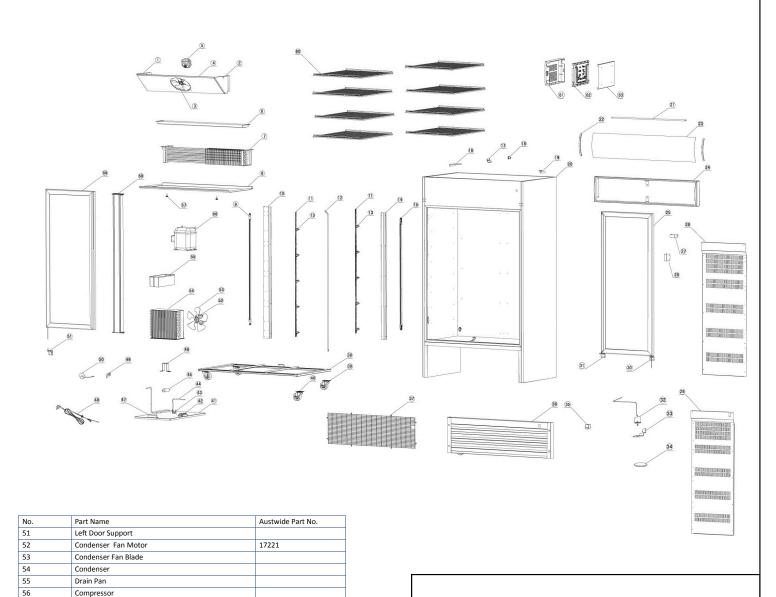
Middle bar Kits

Left Door Kits

Drawer Type Electrical Box 1

Drawer Type Electrical Box 2

Trail of Wire installation plate

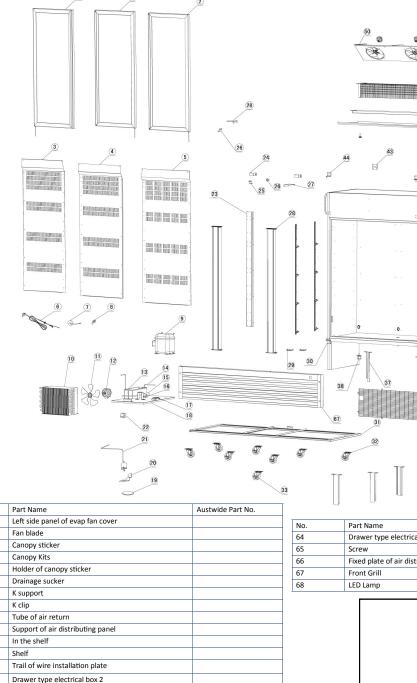


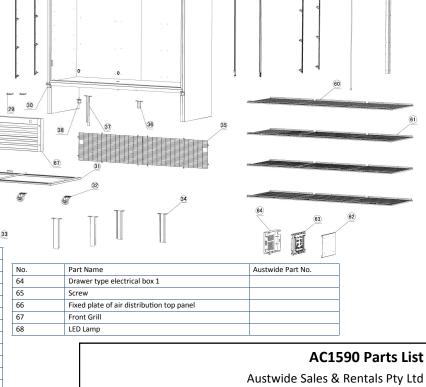
AC1020 Parts List

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No.	Part Name	Austwide Part No.
1	Left glass door kit	
2	Right glass door kit	
3	Left air distribution panel	
4	Middle upper bracket of air distribution panel	
5	Right air distribution panel	
5	Cable	
7	Capacitor	
3	Overload protector	
9	Compressor	
10	Condenser	
11	Condenser fan blade	
12	Condenser fan motor	
13	Drain pan	
14	Assisting condenser	
15	Filter	
16	Dryer	
17	Wiring box	
18	Support plate of cooling unit	
19	Thermometer	
20	Fixed plate of thermostat	
21	Mechanical thermostat	
22	Switch	
23	Middle bracket of air distribution panel	
24	Upper bracket of air distributing panel	
25	Fixed plate of air distributing top panel	
26	Axis	
27	Bracket of drain pan	
28	Middle bar kit	
20 29		
	Door Support	
30	Left bottom door hinge	
31	Unit base support	
32	3inch castor	
33	3 inch castor with brake	
34	Support of cabinet	
35	Back net	
36	Pipe support	
37	Support of cabinet	
38	Right bottom hinge	
39	Kits of left LED	
40	Kits of right LED	
41	Cabinet body	
12	Right upper hinge	
43	Beam connection plate	
14	Left upper hinge	
45	Drain pan of evaporator	
46	Evaporator	
17	Right side panel of evap fan cover	
48	Evap fan motor	
19	Evap fan cover	+





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