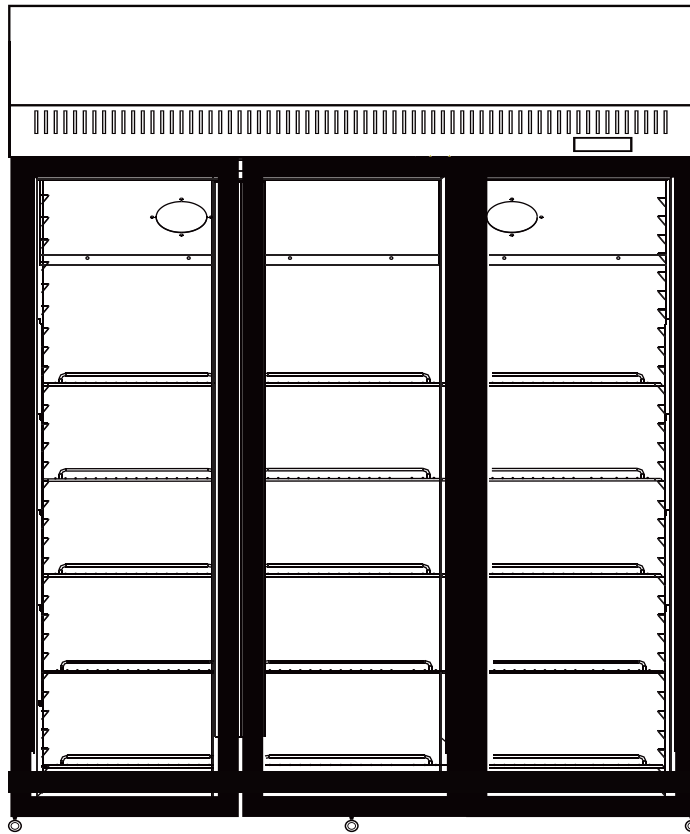


# HESSTAR

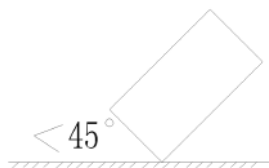
## SHOWCASE HDS-T1815W



### INSTRUCTION MANUAL

Please read this manual carefully.  
To keep this manual in the place accessible by a user at any time.

## TRANSPORTATION AND INSTALLATION:



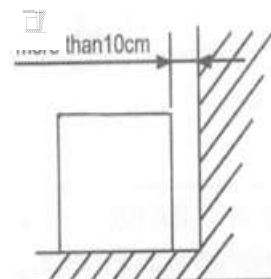
1. When you transport the showcase, the angle between the compartment body and the ground should be not more than  $45^\circ$ , and you should never place the showcase up-side down.
2. Do not use any of the external part as loading points, for example, the condenser on the back, the door or the hinge.

3. When the showcase is installed or used, all the package (including board and foam plastic) should be got rid of.

4. Keeping the showcase stable to avoid vibration and noise.

5. The showcase should be installed in the place with good ventilation, a space of at least 10cm should be allowed between the surrounding walls and the cabinet wall for air condition.

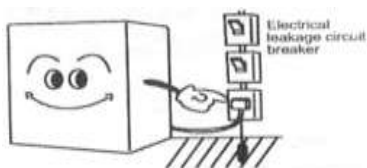
6. It should be placed far from heating resource and not under direct sunshine to avoid decrease of the efficiency of refrigeration.



7. Place the showcase under dry condition as to prevent rust on the body, which may affect the electric insulation.



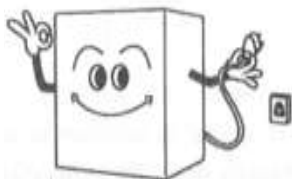
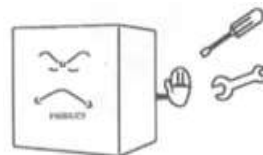
## CAUTIONS:



1. The showcase must be connected with earth correctly, never with the heating pipe and coal gas pipe.

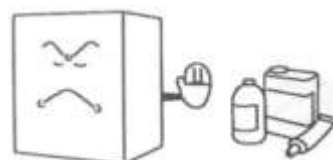
any damage on the electric wires and plug, please contact the after-sales service and never do it by yourself. When plug out, please take the plug, not the wires.

2. In case of



3. If the voltage is unstable, please choose the suitable automatic voltage regulator.

4. Turn on the power to check the showcase before using, the showcase can be used until the temperature decreases obviously after 30 minutes.
5. You should adjust the temperature control according to the requested temperature and quantity of the stored food and the environmental temperature.
6. Never put hot food in the showcase directly only after it has been cooled naturally outside.
7. If power is cut off, you should wait for at least 5 minutes before turn on again to avoid damage to the compressor.
8. The food stored should be packed with plastic bag to avoid smell-mixed and moisture-lost, and reduce the frost.
9. Never store any flammable, explosive and corrosive liquid or gas in the showcase and keep it away from them.
10. When put beers and beverages , please adjust the temperature to refrigeration.



### **THE FOLLOWING PHENOMENA ARE NORMAL:**

1. There will be sound of water flowing when the refrigerant is flowing.
2. When the environment humidity is too high, there will be dew condensed on the surface of the glass door(s).
3. When the showcase is running, the condenser and compressor will be hot.

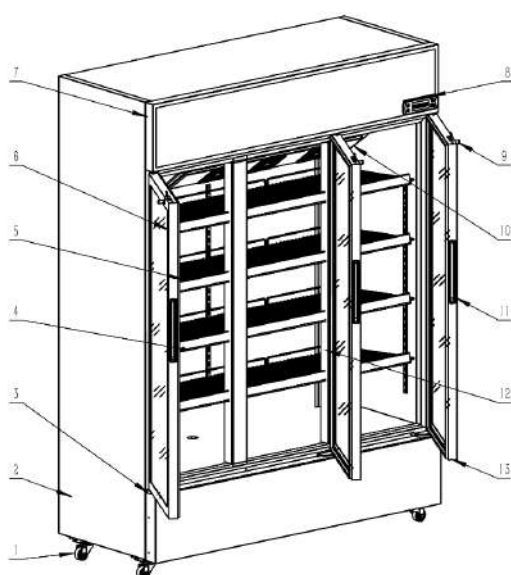
### **TROUBLE SHOOTING:**

TROUBLES	REASON	SOLUTION
Unfreezing	*Temperature control is at the highest point	Adjust the temperature
	*Plug and outlet not connected well	Make them connected well
	*Fuse broken off	Change the fuse
Compressor do not stop working	*Temperature control is at the lowest point	Adjust temperature control
	*Too much food stored at one time	Reduce the quantity
	*Thick frost	Defrost
	*Too much times of door-opening	Reduce the times of door-opening

Big noise	*Too near the wall	Far from the wall
	*Near the hot source or sun	Change the place
	*Ground is not flat	Change the place
	*Refrigerating tubes touch each other	Separate them

**REMARK:** If you can not solve the troubles according to the above-mentioned ways, please contact the after-sales service, do not handle it by yourself.

### THE FOLLOWINGS ARE FOR MODEL:



1. Castor
2. Cabinet
3. Cover
4. Price tag
5. Mouth frame
6. Left glass door
7. Lamp box
8. Thermostat
9. Lock
10. Fan
11. Handle
12. Middle beam
13. Right glass door

### THE FUNCTION OF CONTROL PANEL:



#### I. Main functions and features:

1. refrigeration, defrost, lighting control and other ways to choose;

2. The user menu and the administrator menu are set separately, which is not only convenient for ordinary users to operate, but also leaves sufficient adjustment room for senior management;
3. Feedback control mode; temperature display resolution 0.1;
4. Multiple alarm mode selection;

## II. Main technical parameters:

1. Temperature measurement range: -50~120℃ temperature control range: -50~120℃
2. Power supply voltage: 220VAC 50-60Hz
3. Capacity of compressor relay: 16A/240VAC; capacity of lamp and fan relay: 10A/250VAC
4. Sensor type: NTC (10K/25V℃, B value 3435K)\* 1;
5. The power consumption of the whole machine is less than 3W
6. Appearance size: 142mm × 40mm × 40mm; opening size: 138mm×32.5mm

## III. Indicators

pilot lamp	state	Meaningful
Refrigeration indicator	go out	The compressor stopped
	twinkle	Compressor delay
	bright	The compressor is working
	quick flashing	Forced refrigeration
De-icing indicator	go out	The frost stop
	twinkle	Frost melts and drips
	bright	Deicing operation
	quick flashing	Forced defrosting
Fan indicator light	go out	Fan stopped
	twinkle	Fan start delay
	bright	Fan working

## IV. Key functions and Settings

- ◆ Lighting: Press the lighting button to turn on the lighting, and then press the lighting button to turn off the lighting
- ◆ User menu: Press the SET key to enter the shutdown temperature setting. The value can be adjusted by the light and the SET key, with a step size of 1℃.
- ◆ Power on/off function: (such as long press the light button), can turn off the refrigeration function, display "- - -", but the lamp control is kept normal
- ◆ Test mode:
- ◆ Long press the light button and Settings button for 3 seconds to enter test mode. Again long press the light button and Settings button for 3 seconds to return to refrigeration mode. In test mode, the digital tube flashes to display-40,
- ◆ The press and fan continue to run, the lamp control is normal, and the operation will automatically return to the refrigeration mode after 90min.

◆ Reset function: Press the set key at the same time after power on to reset parameters.

## V. List of parameters

Menu level	menu item	Parameter range	Windows default	remarks
User menu		Minimum temperature setpoint ~ maximum temperature setpoint	7°C	Temperature setting parameters
Managerial staff	E1	-50°C~E2	0°C	Minimum temperature set point
	E2	E1 ~120°C	10°C	Maximum temperature set point
	E3	1°C~25°C	4°C	Offset setting
	E4	0 minutes to 50 minutes	Three minutes	Compressor delay protection time
	E5	-10°C~+10.0°C	-3°C	Kuwen corrects
Single (cured)	E6	0 minutes to 50 minutes	0	Delay the first start of the press
	F1	0 minutes to 255 minutes	Fifteen minutes	Time of frost thaw
	F2	0 to 120 hours	Three hours	The frost period
	F4	0: Normal storage temperature display 1: Defrosting start temperature	1	Display mode during frost formation
	C2	F18 ~50°C	45°C	The alarm value exceeds the upper limit
	C3	-50°C~F17	-45°C	Above the lower limit alarm value
	C4	0-99 minutes	45	Temperature alarm delay
	H1	0: The fan is running 3: Stop at the same time as the press, and open when defrosting	3	Fan operation mode
	H2	0 seconds ~ 255 seconds	0 seconds	Fan start delay
	H3	0 to 300 seconds	0 seconds	Fan shutdown delay

## VI. Function Introduction:

### 1. Compressor working status description

Starting conditions: The compressor relay is engaged when condition a), b) or condition a), c) is met.

- a) The compressor delay exceeds the set delay time.
- b) The storage temperature is higher than the set temperature, and forced refrigeration starts
- c) In the non-defrosting state, the storage temperature is higher than the set temperature + return setting value

Shut-off condition: The compressor relay is open if one of the following conditions is met

- ◇ The temperature is lower than the set temperature ◇ The defrosting starts ◇ The forced cooling ends
- ◇ The temperature is lower than the set temperature ◇ The defrosting starts ◇ The forced cooling ends
- ◇ The temperature is lower than the set temperature ◇ The defrosting starts ◇ The forced cooling ends

## 2. Defrosting

Shut down defrosting

## 3. Alarm function:

- ◇ When the temperature of the storage exceeds the upper limit alarm value or falls below the lower limit alarm value and runs for the preset alarm delay time, the buzzer will sound an alarm. When the upper limit is exceeded, the digital tube will flash to display "HHH", and when the lower limit is exceeded, it will flash to display "LLL".
- ◇ When the temperature exceeds the upper limit of the range, "H1" is displayed and the buzzer alarms. When it is lower than the lower limit of the range, "L1" is displayed.
- ◇ When the temperature probe is short circuit or open circuit, "E1" is displayed and buzzer alarm is given.
- ◇ When the storage temperature exceeds the range or the probe is faulty, the compressor alternates between stopping for 45 minutes and running for 15 minutes
- ◇ In the alarm state, any key can be pressed to eliminate the alarm sound, but the alarm display status remains unchanged.

After manually eliminating the alarm sound in the fault state, if a new fault occurs, the fault code will be displayed flashing without delay. The buzzer will not alarm until all faults are eliminated, and the fault delay will be effective, and the buzzer can be called again.

- 4. Some parameters will be changed from the next running cycle after adjustment. If you need to execute them now, you can power on after power failure.
- 5. When the display mode is set to defrost start temperature, the defrost start temperature will continue to be displayed for 20 minutes after the end of defrost.

## **MAINTENANCE AND CLEANNESS:**

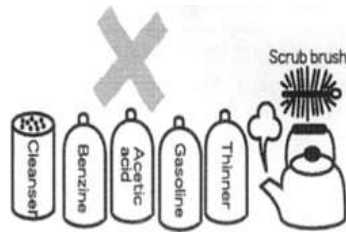
- 1. Do not open the door frequently in order to save energy.
- 2. Never put heavy or hot stuff on the top of the showcase to avoid deforming.
- 3. Cut off the power before cleaning.
- 4. To clean the showcase, please use soft cloth dampened in some moderate detergent and warm water.
- 5. Use warm water to clean oil or fruit juice stain on the gasket in order to keep its elasticity.



Apply some talcum powder to it to prolong its life.

6. The showcase should not be left unused for a long time, to stop using the showcase, cut off the main power first, then clean the inside and keep the door open for 2~3 days to dry it.

7. Never use polishing powder, soap powder, benzene, oil or hot water as these will damage the exterior plastic components.



### **ATTENTION:**

- ✧ Young children or infirm person without supervision can't operate the appliance.
- ✧ Young children should be supervised not to play with the appliance. Never hang from the glass door or climb onto the unit. The unit could tip over or fall and cause material damage or personal injury.



We have a policy of improving our product and reserve the right to change materials and specifications without notice. Please find the specific parameters on the rated label of the product.



