STC-9200 INSTRUCTIONS

Main functions and features:

1. Multi-control modes among refrigeration, defrost and fan.
2. User menu and administrator menu can be set separately. Not only convenient for user operation, but also left enough space for the adjustment of high-level management.
3. Differential control mode, and the resolution of temperature display is 0.1.
4. Multi-protection and alarm modes optional.
5. COPYKEY function（optional）.

Main technical parameters:

1. Temperature measuring and controlling range:-50~50℃
2. Power supply:220VAC 50Hz
3. Power consumption:＜5W
4. Ambient temperature: -10~60℃
5. Relative humidity:20%-85%(No condensate)
6. Accuracy:±1℃
7. Product size: 75x34.5x85(mm)　Installation hole size:71x29(mm)
8. Relay capacity of compressor: 10A/220VAC
9. Relay capacity of fan and defrost: 10A/220VAC
10. Digital display:Three-digit LED + Minus digit + Status indicator light (set; refrigeration; defrost; fan)

Descriptions of Indicator Light:

Indicator Light	Status	Meaning
Refrigeration Indicator Light	Light off	Compressor stops
	Light flashes	Compressor delays
	Light on	Compressor works
	Light flashes quickly	Forcible refrigeration
Defrost Indicator Light	Light off	Defrost stops
	Light flashes	Defrost dripping
	Light on	Defrost works
	Light flashes quickly	Forcible defrost
Fan Indicator Light	Light off	Fan stops
	Light flashes	Fan delays
	Light on	Fan works
Set Indicator Light	Light off	Normal working status
	Light on	Under setting status

Keystroke function and set mode:

Keystroke operation	Function 1(normal status)	Function 2 (menu status)	Function 3 (parameters setting status)	Remark
SET		Enter into parameters set	Save the parameters and return to set interface	
SET……3S	Enter into user set	Quit from set status	Quit from set status	
SET+∨……10S	Enter into administrator menu			Press SET, hold on, and then press ∨ key
∨	Check the defrost temperature	Check the menu items	Modify the parameters	
∨……3S	Check the defrost temperature	Promptly go downward the menu items	Modify the parameters promptly	
∧		Check the menu items	Modify the parameters	
∧……3S	Enter into forcible refrigeration	Promptly go upward the menu items	Modify the parameters promptly	
❄……3S	Enter into forcible defrost			
∧+∨……10S	Keyboard-lock status switch			

Parameters items:

Menu level	Menu items (character type) (optional)	Parameter range	Default	Remark
User menu	SEt	Temp. min. set value ~ Temp.max. set value	-5℃	Tem. Set parameter
	HY	1℃~25℃	2℃	Return difference setting
Administrator menu	US	SEt~50℃	+20℃	Max.temp. set value
	LS	-50℃~SEt	-20℃	Min. temp. set value
	AC	0~50 min	3	Compressor delay protection
	idF	0~120 Hr.	6	Defrost cycle
	MdF	0~255 min	30	Defrost time
	dtE	-50℃~50℃	10℃	Defrost termination temp.
	Fdt	0~100min	2	Water-dripping time after defrost
	tdF	EL: Electric-heating defrost　　HtG: Thermal	EL	Defrost mode
	dCt	rt:the interval of defrosting actually　CoH:the accumulated time of compressor operation	rt	Count mode of defrost cycle
	dFd	rt:normal temp. display　　it:defrost start-up temp.	rt	Display mode when defrost
	FnC	Ctr:under control　o-n:continuous operation, off when defrost　C-n:start/stop with compressor, off when defrost	Ctr	Fan operation mode
	Fot	-50℃~Fan stop temperature	-10℃	Fan start-up temp.
	Fod	-255S~255S	60S	Fan start-up delay
	FSt	Fan start temperature~50℃	-5℃	Fan stop temp.
	ALU	ALL~50℃	50℃	Alarm value when exceed upper limit
	ALL	-50℃~ALU	-50℃	Alarm value when exceed lower limit
	ALd	0~99min	15min	Temp. alarm delay
	ot	-10℃~+10.0℃	0℃	Temp. calibration

Function description:

1. Compressor

A. under electric-heating defrost status, and fan delay set time＞0s:

Activation condition: Relay of the compressor connects when it meets both a)、b) or both a)、c).

a)Compressor delay time exceeds the set delay time.

b)The storage temperature is higher than the set temperature, and the forcible refrigeration starts.

c)Under non-defrost status, the storage temperature is higher than the set temperature+ differential set value.

(When fan delay time＜0s, if it meets the activation conditions and compressor runs out of delay absolute value, relay of compressor connects.)

Stop condition: Relay of compressor disconnects when it meets any of the ff. conditions.

a) Storage temperature is lower than the set temperature.

b) At start-up of defrost.

c) Forcible refrigeration stops.

B. under thermal defrost status:

Activation condition: Relay of the compressor connects when it meets both a)、b),a)、c)or a)、d).

a) Compressor delay time exceeds the set delay time.

b)Under non-defrost status , the storage temperature is higher than the set temperature+ differential set value.

c) The storage temperature is higher than the set temperature, and forcible refrigeration starts.

d) When defrost

(When fan delay time＜0s, if it meets the activation conditions and compressor runs out of delay absolute value, relay of compressor connects.)