Elitech®

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.
- Multi-protection and alarm modes optional.
- COPYKEY function (optional).

Main technical parameters:

- 1.Temperature measuring and controlling range:-50~50°C
- 2.Power supply:220VAC 50Hz 3.Power consumption:<5W</p>
- 4.Ambient temperature: 0~60°C
- 5.Relative humidity:20%-85%(No condensate)
- 6.Accuracy:±1°C
- 7.Product size: 75x34.5x85(mm) Installation hole size:71x29(mm)
- 8.Relay capacity of compressor:8A/220VAC
- 9.Relay capacity of fan and defrost:8A/220VAC
- 10.Digital display:Three-digit LED + Minus digit + Status indicator light (set; refrigeration; defrost; fan)

Descriptions of Indicator Light:

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

Keystroke function and set mode:

				>
			+ + 10S Keyboard-lock status switch	* + \10S
			Enter into forcible defrost	₩ 3S
	Modify the parameters promptly	Enter into forcible refrigeration Promptly go upward the menu items	Enter into forcible refrigeration	≯ 3s
	Modify the parameters	Check the menu items		>
	Modify the parameters promptly	Check the defrost temperature Promptly go downward the menu items	Check the defrost temperature	¥3S
	Modify the parameters	Check the menu items	Check the defrost temperature	<
Press SET, hold on, and then press ~ key			SET+10S Enter into administrator menu	SET+¥10S
	Quit from set status	Quit from set status	Enter into user set	SET3S
	Save the perameters and return to set interface	Enter into parameters set		SET
	(parameters setting status)	(menu status)		Keystroke operation
Remark	Function 3	Function 2	Function 1(normal status)	

unəm тоівчзілітьА															User menu —		Menu level	Parameters items:			
ot	ALL	YLL	ΛLU	FSt	Fod	Fot	FnC	먑	dCt	tdF	Fdt	ЭtБ	MdF	idF	AC	LS	SU	Ж	SEt	Menu items (character type) (optional)	items:
-10℃~+10.0℃	0~99min	-50℃~ALU	ALL ~50℃	Fan start temperature~50°C	-255S~255S	-50℃~Fan stop temperature	Ctr.under control o-n:continuous operation, off when defrost C-n:start/stop with compressor, off when defrost	rt:normal temp, display it:defrost start-up temp.	rt:the interval of defrosting actually CoH:the accumulated time of compressor operation	EL: Electric-heating defrost HtG: Thermal	0~100min	-50℃~50°C	0~255 min	0~120 Hr.	0~50 min	-50℃~SEt	SEt~50°C	1℃~25℃	Temp. min. set value ~ Temp. min. set value	Parameter range	
0.0	15min	-500	500	-5°C	60S	-10°C	ស៊	2	a	틴	2	100	30	6	3	-20°C	+20°C	20	-5°C	Default	
lemp. Cationation	iemp. alarm delay	Alarm value when exceed lower little	Alarm value when exceed upper limit	Fan Stop temp.	Fan start-up delay	Fan start-up temp.	Fan operation mode	Display mode when defrost	Count mode of defrost cycle	Defrost mode	Water-dripping time after defrost	Defrost termination temp.	Defrost time	Defrost cycle	Compressor delay protection	Min. temp. set value	Max.temp. set value	Return difference setting	Tem. Set parameter	Remark	

Function description:

- . Compressor
- Activation condition: Relay of the compressor connects when it meets both a) \cdot b) or both a) \cdot c). A. under electric-heating defrost status, and fan delay set time > 0s:
- 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, relay of compressor connects.) (When fan delay time <0s, if it meets the activation conditions and compressor runs out of delay absolute
- 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
- c) The storage temperature is higher than the set temperature, and forcible refrigeration starts.
- d) When defrost
- value, relay of compressor connects.) (When fan delay time <0s, if it meets the activation conditions and compressor runs out of delay absolute

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

- a) Storage temperature is lower than the set temperature.
- b)When defrost stops.
- c) When forcible refrigeration stops

Relay of defrost connects when it meets all of the ff. conditions:

- a) Defrost delay time meets the set time of the defrost delay.
- b) Defrost temperature is lower than the temperature of defrost termination.
- Defrost cycle is over or forcible defrost is beginning.

Relay of defrost disconnects when it meets any of the ff, conditions

- a) Defrost operation time is over.
- Defrost temperature is higher than the temperature of defrost termination

When fan start-up delay≥0s, and operates under control, fan starts when defrost temp. is lower than fan the set delay time. Fan stops when compressor stops. When fan start-up delay <0s, if need to start compressor, it will start until fan first starts and runs out of

When fan start-up delay≥0s, and operates under "stop during continuous defrost" mode, starts when no start-up temp.; fan stops when defrost temp. is higher than fan stop temp.

tan starts when compressor start-up(under not defrost status) and run out of fan delay; fan stops when compressor stops or during defrost. When fan start-up delay≥0s, and operates under "start/stop with compressor, stop when defrost" mode defrost, and stops when defrost starts.

delay time, buzzer alarms, LED blinkingly displays. When storage temperature exceeds the temperature upper limit or lower limit and it runs out of the set

Wiring diagram:

storage temperature exceeds the measuring temperature lower limit or the sensor open-circuit. temperature upper limit or the sensor short-circuit. LED blinkingly displays "LLL" and buzzer alarms when LED blinkingly displays "HHH" and buzzer alarms when storage temperature exceeds the measuring

Operation of COPYKEY (optional) Press any key to cancel buzzer alarm, but alarm display remains.

away the COPYKEY, and then restart the controller. The machine blinkingly display "Err" if parameter COPYKEY. After finshing upload, LED displays "End", then turn off the controller and take away the COPYKEY and press ▲ to display "UPL". At this time, press SET to upload the parameters to error or controller model error. parameters from it, after downloading, it normally works. At the moment, turn off the controller and take COPYKEY. LED will blinkingly display "Err" if there is error during uploading. If need to download the While the controller operating, when it needs to upload the parameters to COPYKEY and save, plug into COPYKEY and turn on the controller,the controller will automatically detect the COPYKEY and download parameters from COPYKEY to the controller, under the controller power-off mode, plug into the

Keyboard lock function

key switch. Loosen the keystroke to display the normal temperature. Under the keyboard locked status, all parameters can be checked but cannot be modified. Under normal mode, press≜and♥for 10s to open or close the keyboard lock, and display the status of

- necessary to operate currently, power off and then restart. The modification of part parameters may take into effectiveness during the next working cycle. If it is
- start-up temperature for 10 minutes. When display mode is set as defrost start-up temperature, after defrost, it will display the defrost

 When storage temperature exceeds the measuring temperature limit or the sensor error, compressor works as per the mode of "stop 45 minutes, then operate 15 minutes and by turns"

Safety Regulations:

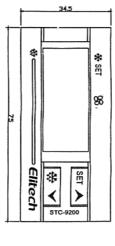
- Dangers: Prohibit connecting the wire terminals without electricity cut-off.
- ♦ Warning: Prohibit using the machine under the environment of over damp, high temp., strong electromagnetism interference or strong corrosion.

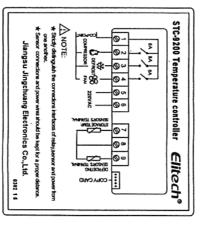
prohibit wrong connections or overloading the relay Strictly distinguish the sensor down-lead, power wire and output relay interface from one another, and

installed away from the venthole to improve the measuring accuracy. interference, the sensor down-lead and power wire should be kept a distance. The sensor should be ◆Notes: The power supply should conform to the voltage value indicated in the instruction. To avoid the



Front panel:





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