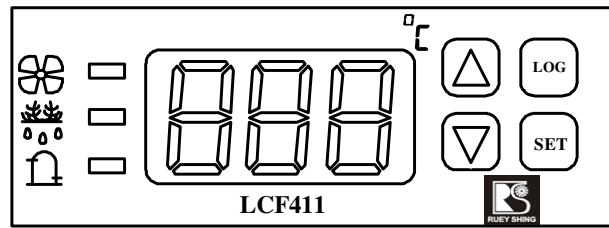


Panel :



Technical data :

- Power Supply : 12V/AC/DC/50~60HZ
- Display : Seven segment LED
- Mounting : SNAP-IN
- Fit-in size : 70*28*64mm³
- Maximum output rating : (1)Compressor 30A/250V (2) FAN 10A/250V (Resistance load)
- Temperature range : -50°C ~ +80.0°C
- Working temperature : -15°C ~ 70°C
- Accuracy : ±1°C
- Resolution : 0.1°C

System parameter table :

No.	Symbol	Description	Range	Default
1	tS	Compressor stop temperature	-50°C ~+80.0°C	+2.0°C
2	td	Differential temperature for compressor restart	+0.1°C ~+ 15.0°C	+4.0°C
3	Sd	Compressor start-up delay time	0 ~15 Min.	2 Min.
4	di	Defrost interval	0 ~ 24 Hr.	4 Hr.
5	dd	Defrost duration	0 ~ 60 Min.	20 Min.
6	CL	Condenser cleaning interval	0 ~ 250 day	0 day
7	tA	Sensor calibration	-10°C ~+ 10.0°C	0.0°C

Lock parameter table :

No.	Symbol	Description	Range	Default
1	LO	Parameters protection	y:lock / n:unlock	y
2	tH	The upper temperature limit	tS ~ +80.0°C	+50.0°C
3	tL	The lower temperature limit	-50°C ~ tS	-50°C
4	AH	High temperature alarm	tS~ +80.0°C	+50.0°C
5	Ht	Alarm when the temperature is higher than AH setting continuously over this duration	0~180Min	90Min
6	AL	Low temperature alarm	-50°C ~ tS	-30°C
7	Lt	Alarm when the temperature is lower than AL setting continuously over this duration	0~180Min	60Min
8	tC	Defrost cycle is counted by hour or 15 min	ti : hour /CP :15 min	ti

※ Note : When parameter LO is set to “y”, the parameter “tS” will be the only parameter which can be shown on display. No other parameters can be modified until LO is set back to “n”.

Self Test Function ERROR Eode:

Error code	Description
E1H	Sensor shorted or temperature higher than +80.0°C
E1L	Sensor opened or temperature lower than -50°C
AH	High temperature alarm
AL	Low temperature alarm
EHP	High pressure suspension




Operation System parameter setting:

1. Press [SET] key, the display flashes pattern 『888』, then shows the symbol of the first system parameter 『tS』, this means the controller entering the parameter modifying phase, can press [▲] or [▼] key to choose other parameters(『td』 or 『di』) that is going to be adjust, Two keys [▲] or [▼] is used as “ scroll up and scroll down key”. During each parameter item in display, Press “SET” key, the display shows value of each parameter, can push [▲] or “▼”key to modify setting value. Press the “SET” key, then modify the next parameter. Each choosing o 『tS』, 『td』, 『Sd』, 『di』, 『dd』, 『tA』 is available.
2. If there is no any key was pushed during thirty seconds , the controller jump into function of setting.
3. After power 『ON』 , the compressor is delaying for protecting(power on delay 『sd』). If you want to bypass the delay time and start immediately , then you can push [▼] key display shows 『Fon』 . The controller then forces compressor to start up immediately.
4. When sensor shorted or broken , the display shows error code until system recover.
5. Press [Log] key , the displays flashes 『dEf』 , the controller go into defrost immediately.




Lock system parameter setting:

1. Press [SET] key for three seconds, the display begins flashing pattern 『888』. While flashing, press both [▲] and [▼] keys together until display shows 『LO』 (which means into parameters lock). Press [SET] again, the modified value would be showed. At this time, press [▲] or [▼] to lock by choosing 『y』 or to unlock by choosing 『n』.
2. After select system parameters to unlock push [SET] key, the display shows pattern 『tH』, can press [▲] or [▼] key to move to the next parameter. Press [SET] key, the display flashes pattern set value, can press [▲] or [▼] key to increase or decrease the value by one unit, push the [SET] key, the controller goes to modify the next parameter, finally; that the setting procedure is finished.

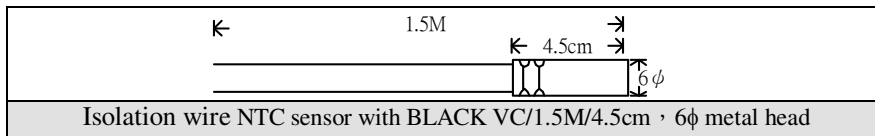
• Function keys :

Symbol	Name	Function description
	Increase/decrease	To increase or decrease one unit value
	Set	Request for setting the parameter
	Defrost	Manual defrost

• LED Indicators :

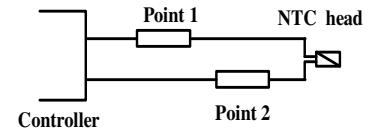
Symbol	Color	Description
	Green	Lamp flash, compressor time delay Lamp ON, compressor running
	Red	Lamp flash, system defrosting
	Yellow	Lamp ON, FAN is working

SENSOR Specifications



※Lengthen your NTC sensor probe, Please pay attention on below :

- (1). Off the system power.
- (2). To avoid short circuit, the connection points should be interleaved, as shown right.



※ Notes: (1) When NTC black sensor is in error status, system stop.

- (2) When the room temperature is continuously higher than AH, (you can adjust between tS to 50°C) and the time is over than Ht minutes, the buzzer start to buzz, until the room temperature down lower than AH. The buzzer would start again when the same situation occurred, and this is a alarm to system condition.

Wiring diagram :

★Room Sensor [black wire] need to connect to PIN 3 for ground purpose.

