



規格設定 SPECIFICATIONS

	參數 Parameter	代號 Code Name	出廠值 Preset	參數設定範圍 Storage of Parameter Setting
1	溫度設定 temp setting	Set	4 °C	-40°C ~ +40°C
2	溫差設定 temp ON/OFF setting	td	4 °C	1 ~ 9°C
3	運轉週期 running cycle	H	6小時 (hours)	1 ~ 24 小時(hours)
4	除霜週期 defrost cycle	C	20分 (minutes)	0 ~ 60 分(minutes)
5	溫度校正 temp correction	tA	0 °C	- 10 ~ 10 °C
6	鎖住功能 key lock	oFF/On	oFF	On → 鎖住(lock) off → 不鎖住(unlock)

操作說明 OPERATION INSTRUCTION

- 1、安裝完成後，插上電源，此時七段顯示器及LED指示燈全亮，表示控制器正常。
Plug into power after install finished, then the power light come on that mean the controller is normal.
- 2、經三秒後，顯示器顯示現在溫度，控制器開始工作。
The display shows now temp and the controller starts to work after 3 minutes.

▶ 操作說明 OPERATION INSTRUCTION

- 3、參數設定：按住上鍵兩秒，顯示器顯示第一筆參數設定代號SEt，按上鍵或下鍵即出現出廠設定值，此時可再按上鍵或下鍵進行參數設定，新的設定值將被記憶。每筆參數將於三秒後自動切換出現，直至跳出參數設定。

Parameter setting : hold on up key for 2 sec., the display shows the code name of the first parameter Set, and when you hold on up or down key, it appears preset. Then hold on up or down key again to set parameter, new setting value will be memorize. Every parameter appears for auto change after 3 sec. until parameter setting.

- 4、壓縮機具有兩分鐘延遲啟動保護，按住下鍵五秒將取消延遲，壓縮機立即運轉(如此時已到達運轉溫度)。同時顯示 Hxx、dxx、Lxx，如H12、d36、L56，代表總運轉時數為123456小時。

The compressor have the protection of delay start for 2 minutes, it will be cancel delay after hold on up key for 5 seconds and the compressor run at once. (If time for running temperature.) Display Hxx、dxx、Lxx at the same time, then represent operation hours is 123456 hours.

- 5、在除霜週期，按住下鍵五秒將強制進入運轉週期，並且壓縮機立即運轉(此時已到達運轉溫度)。同時顯示 Hxx、dxx、Lxx。

It will be enter the running cycle forcibly after hold on up key for 5 seconds during the defrost cycle and the compressor run at once. (If time running temperature.) Display Hxx、dxx、Lxx at the same time.

- 6、當鎖住功能為on時，參數設定僅溫度設定(SEt)項能調整，且參數設定範圍為-10°C ~ 10°C，其餘參數項只能顯示，不能設定。

When the key lock is on, you can only adjust temp. setting (SEt) of parameter and storage of parameter setting is for -10°C ~ 10°C, other parameters are only display not setting.

- 7、當控制器出現異常，顯示器顯示故障碼，異常指示燈閃爍。

When controller appears unusual, display shows fault code, the unusual light is blinking.

故障顯示 *FAULT DISPLAY*

- 1、op：感溫棒斷路或溫度低於-45°C。
op：Sensor appears broken circuit or temp. less than -45°C.
- 2、SH：感溫棒短路或溫度高於+50°C。
SH：Sensor appears short circuit or temp. more than 50°C.
- 3、EE：記憶體異常。
EE：Memory unusual.

參數說明 *PARAMETER EXPLANATION*

- 1、溫度設定：儲存室所欲運轉之最低溫度。
Temp. setting：Set mini temp. what the storage room need.
- 2、溫差設定：當壓縮機停止運轉，儲存室之溫度回昇至(溫度設定值+溫差設定值)，壓縮機再度運轉，(壓縮機具有兩分鐘延遲啟動保護)。
Temp. difference setting：When the compressor stop to running, the temp. of storage room rise again (temp. setting value +temp. difference setting), then the compressor run again (the compressor have the protection of delay start for 2 minutes).
- 3、溫度校正：控制器長期使用下，相關零件劣化，造成感測溫度與實際溫度偏差，可設定比值進行補償。本控制器安裝到箱體後，為了要配合實際所需溫度值，務必重新設定"溫度校正"。
Temp. correction：When a controller use for long-term that have relative parts of inferior quality, this caused deviation between temp. and actual temp. you can make up for setting value.
註：第一次開機，控制器將執行全測試，七段顯示器及LED全亮，EEPROM如有異常，顯示器會顯示EE。
NOTE. The controller is going to perform whole test, then the lights of 7-seg, display and LED come on, if EEPROM has unusual, Display appears EE, you can hold down up key to test rely in the stage of all test.
※貼心設計：在全測試階段，冷開機可按住任何鍵再通電測試繼電器有無輸出及顯示器在每一劃一步一步點亮測試。
※The intimate design：you can press any key for turn in then test relay have output and the display test step by step in the stage of whole test.