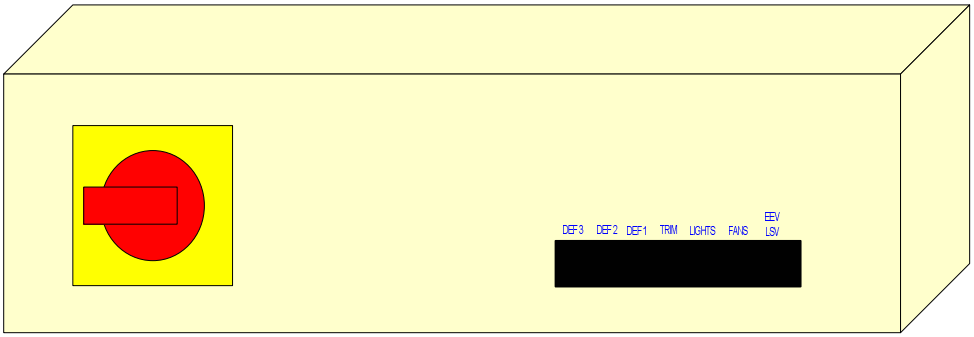
INSTALLATION / SET-UP GUIDE

CC100x Universal evaporator controller



CC1000/1002/1006 Controller features:

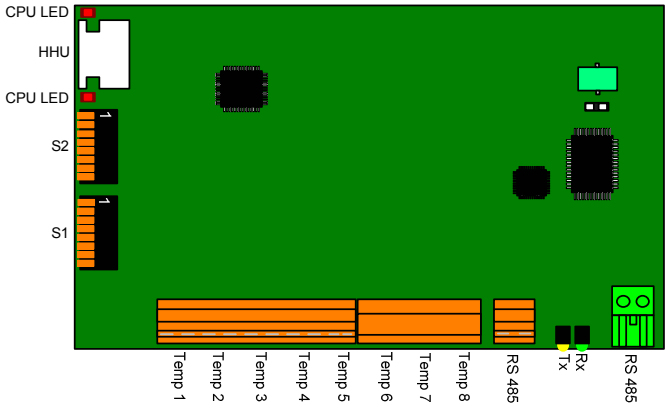
- EEV control
- LSV control
- 1 to 4 evaporator control
- PT1000, 5K0, 2K2 probe compatible
- IP addressable
- RS485 comms RMS 9600
- 7 x 240Vac outputs
- Internal MCB circuit protection
- Up to 30A0 Defrost control
- Energy saving Algorithm features.
- 2 Digital inputs
- OEM customisation facility

DANGER

For the safety of personnel and the proper functioning of the equipment it is essential that everybody who uses or works on this equipment must be competent to prevent danger and injury.
The safety instructions in this guide are intended to draw attention to potential hazards that may be encountered during installation, commissioning and operation of the equipment.
While the installer is responsible for the correct and safe installation and commissioning of the equipment, once this is complete, the owner and/or user of the equipment is responsible for its safe operation and maintenance.
It is essential that personnel who operate or maintain the equipment know how to isolate each part of the system from its electricity supply.

IMPORTANT
The controller is factory supplied with a
1 amp fuse fitted into the first defrost fuse holder for GAS DEFROST applications.
If ELECTRIC DEFROST is used REPLACE the 1 amp fuse link with the two supplied 10 amp fuse links SEE PAGE 3

CPU BOARD LAYOUT / CONNECTION & CONFIGURATION DETAILS



Temperature Inputs			
	CC1000	CC1002	CC1006
Temp 1	Air On	Air On	Air On
Temp 2	Air Off	Air Off	Air Off
Temp 3	Evap In	Defrost 1 / Air On 3	Evap In
Temp 4	Evap Out	Air On 2	Evap Out
Temp 5	Defrost	Air Off 2	Defrost
Temp 6		Defrost 2 / Air On 4	Door
Temp 7		Air Off3 / Air On 3	Relative RH
Temp 8		Air Off 4 / Air On4	Dew Point

BIT SWITCH SET 1		
PROBE TYPE	5K0	
	2K2	
	PT1000	
DEW-POINT SENSOR	Fitted	
	Not Fitted	
DEW-POINT SENSOR TYPE	Sontay	
	Rense	
COMMS bps	RMS 600	
	RMS 9600	

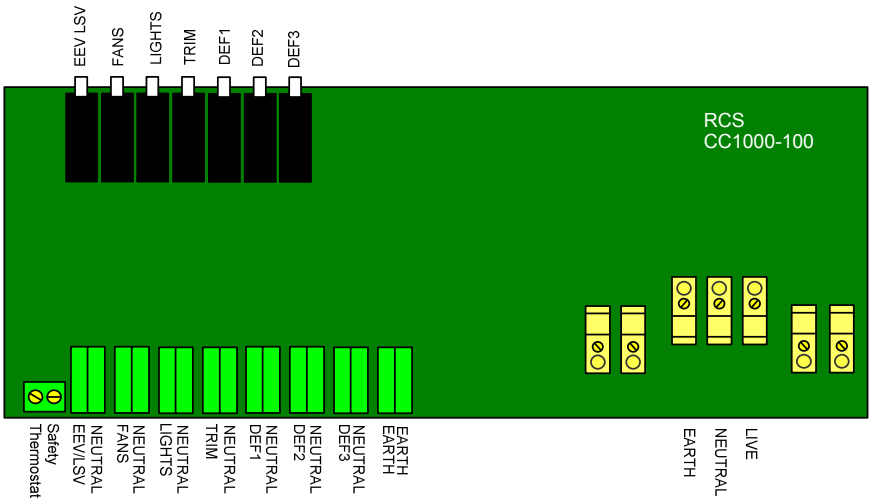
BIT SWITCH SET 2		
INLET VALVE TYPE	LIQUID SOLENOID	
	PULSED ELECTRONIC	
DEFROST TYPE	ELECTRIC	
	HOT GAS	
DEFROST PROBE	FITTED	
	NOT FITTED	
DEFAULT TEMPERATURE RANGE Switches 6 to 8	-24.0 ° C	
	+1.0 ° C	
	+4.0 ° C	
	+8.0 ° C	

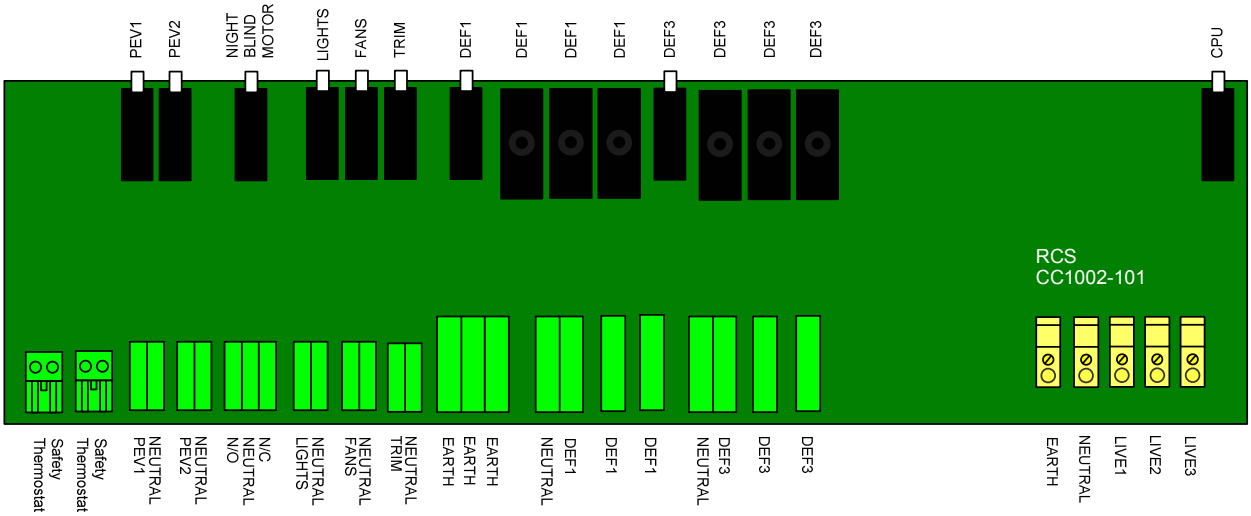
N.B. Changes to switch settings require a power down / up for the controller to load defaults.

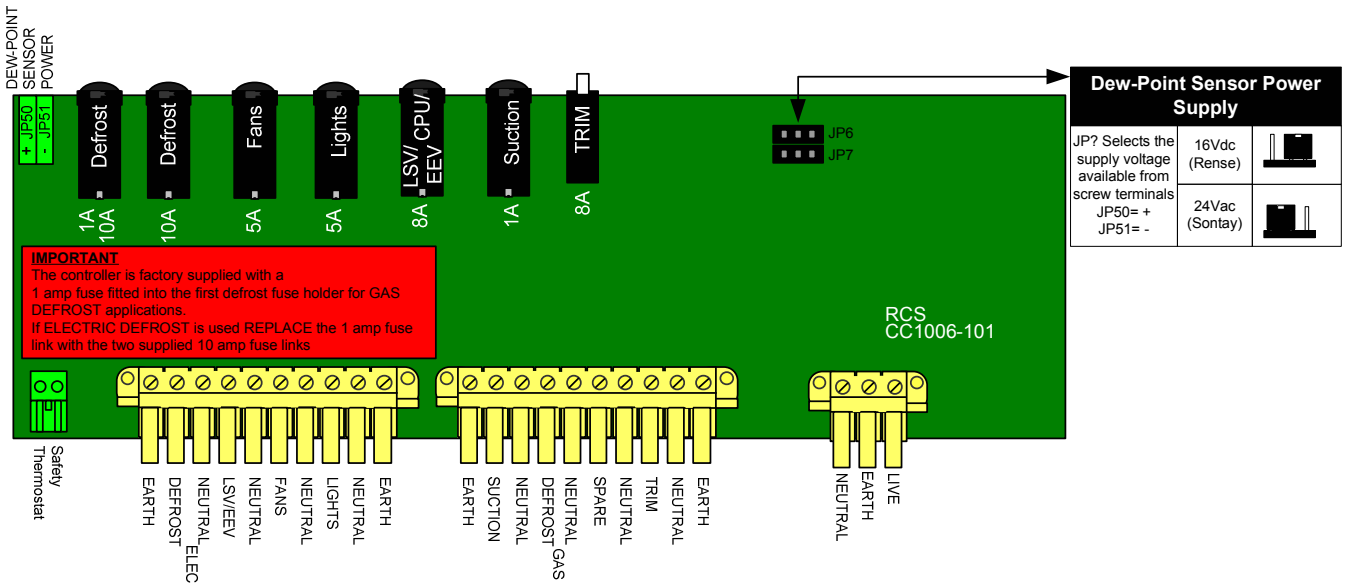
Key to Symbols		
	Switch ON (down)	
	Switch OFF (up)	

Indicates the switch settings for the single controller on each case run that has the dew-point sensor fitted

CC1000 & CC1002 & CC1006 DRIVE BOARD LAYOUT / CONNECTION DETAILS



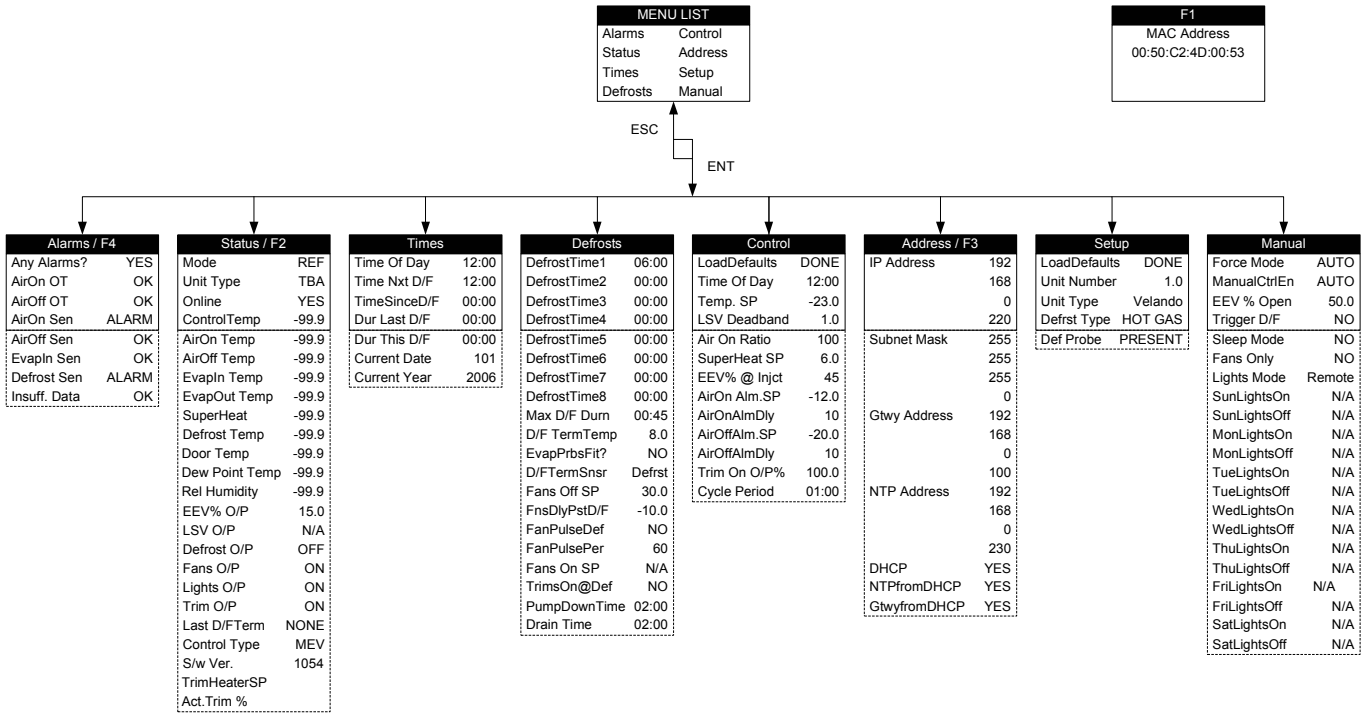




Dew-Point Sensor Power Supply

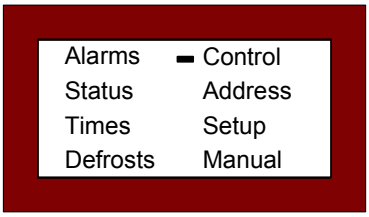
JP? Selects the supply voltage available from screw terminals JP50= + JP51= -	16Vdc (Rense)	
	24Vac (Sontay)	

CC1000
Hand Held Unit Menu List



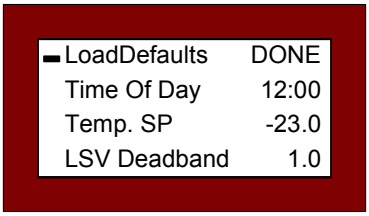
CC1000 HHU Examples

LOADING DEFAULT PARAMETERS



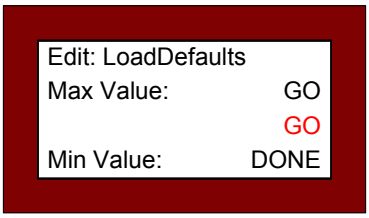
From the 'Menu List', use the arrow keys to move the cursor to **Control**

Press **ENT**.



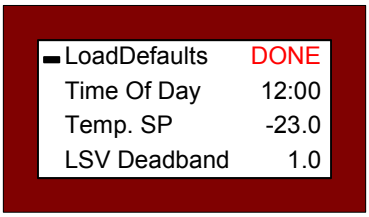
Use the arrow keys to move the cursor to **LoadDefaults.**

Press **ENT**.



Use the arrow keys to change the Value to GO**.**

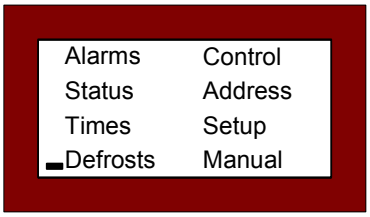
Press **ENT**.



The display will return to the Control menu. The value of **LoadDefaults** will display **GO** and then change to **DONE.**

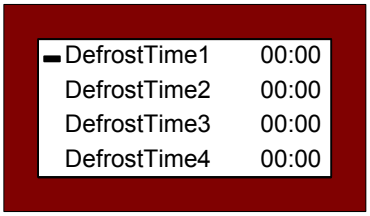
Press **ESC**.

SETTING A DEFROST



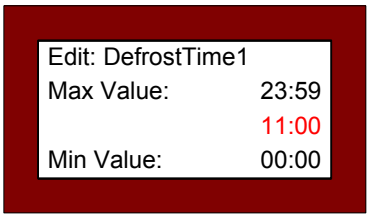
From the 'Menu List', use the arrow keys to move the cursor to **Defrosts**

Press **ENT**.



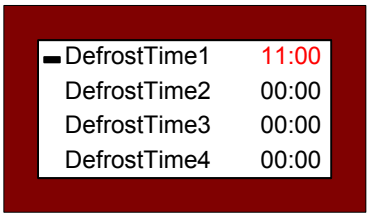
Use the arrow keys to move the cursor to **DefrostTime1.**

Press **ENT**.



Use the number keys to change the Value from 00:00 to 11:00**.**

Press **ENT**.



The display will return to the Defrosts menu. The value of **DefrostTime1** will show **11:00 .**

Press **ESC**.

CC1000 Commissioning Examples