




**Heat Pump**

Keep the  key pressed for 5 sec. to start or stop the unit in p.d.c. mode of operation.

 will blink for 5 sec., then the icon LED will light up steady. **Only by turning off the unit will it be possible to switch from chiller to p.d.c. mode of operation..**

### 13. How to Set the Unit in (Stand-by)

Stand-by mode is enabled any time the unit is turned off, either in chiller or in p.d.c. mode of operation. When the unit is in stand-by mode, the icon  will light up.

Also in stand-by mode, the controller allows to:

- 1) Display the detected measurements
- 2) Manage alarm events by displaying and signalling them.
- 3) Activate heating elements as evaporator anti-freeze safety device depending on thermoregulator.

### 14. "M Key" Function Menu

Accessing function menu will allow to:

- 1) Display and reset triggered alarms
- 2) Display and reset controlled load working hours
- 3) Enable the control via infrared transmission (supplied as an accessory)
- 4) Display the remaining time before defrost start (only if the unit is configured as pdc)
- 5) Transfer parameters from the instrument to the key.
- 6) Display alarm history
- 7) Delete alarm history

(While the function menu is displayed, the "menu" icon is lit up).

#### 14.1 Access Function Menu





Press and release the **M** (menu) key. The "menu" icon will appear.

#### 14.2 Exit Function Menu

Press and release the **M** key or wait for time-out (15s). The "menu" icon will disappear.



#### 14.3 How to Display Alarms

Access function menu:



- 1) By using the  or  keys, select the "ALrM" function.
- 2) Press and release the **SET** key.
- 3) By using the  or  keys, scroll through all the alarms.

To exit, press the menu key or wait 15s for time-out.

#### 14.4 How to Reset Alarms



- 1) Access function menu.
- 2) Select the "ALrM" function
- 3) By pressing **SET**, the lower display will show the alarm code
- 4) Upper display: **rSt** label, if the alarm is resettable, **NO** label, if it is not. Scroll through all available alarms by using the  or  keys.
- 5) Press **SET** next to the **rSt** label to reset the alarm and move to the next one.
- 6) To exit, press the menu key or wait 15s for the time out.

#### 14.5 Display of Load Working Hours




- 1) Access function menu
- 2) Press the  or  keys until the lower display shows the label of the single load; C1Hr (compressor 1 working hours), CHr2 (compressor 2 working hours), PFHr (system water pump working hours). The upper display will show the working hours.

The icon  is lit up.



#### 14.6 Reset of Load Working Hours

- 1) Access function menu
- 2) Press the  or  keys until the lower display shows the label of the single load (C1Hr, C2Hr, PFHr) and the upper display shows the working hours.
- 3) Keep the **SET** key pressed for 3 sec: the upper display will show 0, which means the reset has been carried out correctly.
- 4) Exit function menu by pressing the **M** key or waiting for exit time-out to expire (15s)
- 5) Repeat operations 1 to 4 for other loads.


#### 14.7 Display of Remaining Time Before Defrost Start

- 1) Access function menu.
- 2) Scroll through by using the  or  keys until the upper display shows the label **dEF** (defrost), the lower display the remaining time in minutes and seconds, the icon  is blinking. To exit function menu, press the **M** key or wait for time-out to expire (15s).





#### 14.8 How to Download Alarms, Parameters and Stored Data via Infrared Transmission (optional on request)

- 1) Access function menu
- 2) Press the  or  keys until the lower display shows the label "Ir" and the upper display the label

**ALr** = ALARMS  
**Par** = PARAMETERS  
**LOG** = STORED DATA



- 3) Press and release the **Set** key
- 4) If enabled, a password will be required: enter it.
- 5) The icon  will start blinking. The device will start to transmit cyclically the requested data package. **Within a minute, bring the IR data logger nearer.**
- 6) Press the **Rx** key to start the reception: the **RX** LED will blink waiting for valid data. During the reception of valid data, the **RX** LED is lit up steady; it will turn off at the end of the reception.
- 7) Exit function menu by pressing the **M** key or waiting for the time-out to expire (15s).

#### 14.9 How to View Alarm History

- 1) Access function menu
- 2) By using the  or  keys, select the **ALOG** function
- 3) Press **SET**: the lower display will show a label indicating an alarm code, the upper display the "n" label indicating a progressive number
- 4) By using the  or  keys, scroll through all the available alarms.
- 5) To exit **ALOG** function and revert to standard display, press the **M** key or wait for time-out (15 sec) to expire.

Memory can store up to **50** alarms; any new detected alarm exceeding that number will automatically delete the oldest alarm from memory (alarms are displayed from the oldest to the most recent).

#### 14.10 How to Delete Alarm History

- 1) Access function menu
- 2) Select the **ALOG** function on the lower display
- 3) Press **SET**
- 4) Within the **ALOG** function, by using the  or  keys, select the **ArSt** function on the lower display, the **PAS** function on the upper display
- 5) Press **SET**: password will be required; lower display **PAS**, upper display **0** blinking