1 The 3 Digits Display

The 3 Digits Display consists of a backlit LCD and of three push buttons that permit an easy access to the unit parameters (see Figure 1). Writing access is protected by a password.
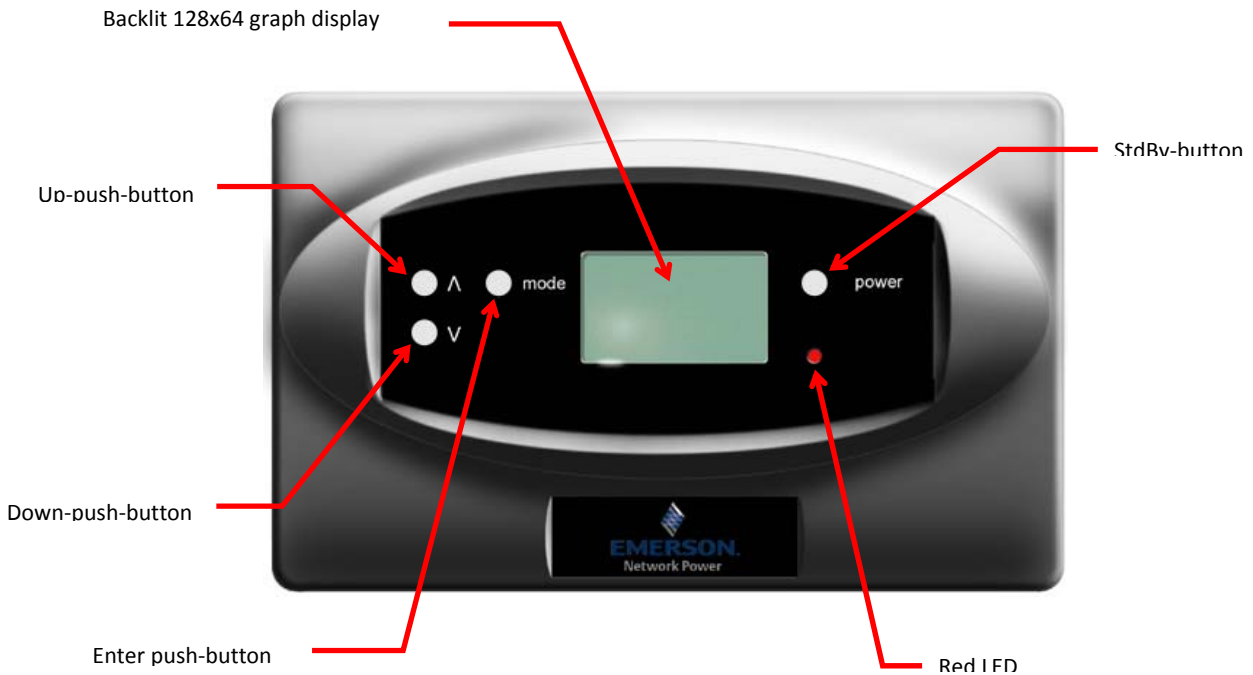

Figure 1 - 3 Digits Display (front view).

The RED led on the front of the display indicates the alarm status: if the led is blinking the unit is in "warning condition", if the led is fixed lighted the unit is in "alarm condition".
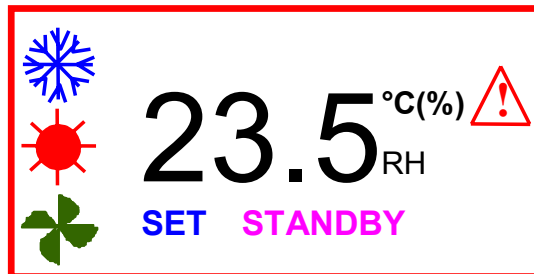On the LCD the following symbols will be displayed (see Figure 2):
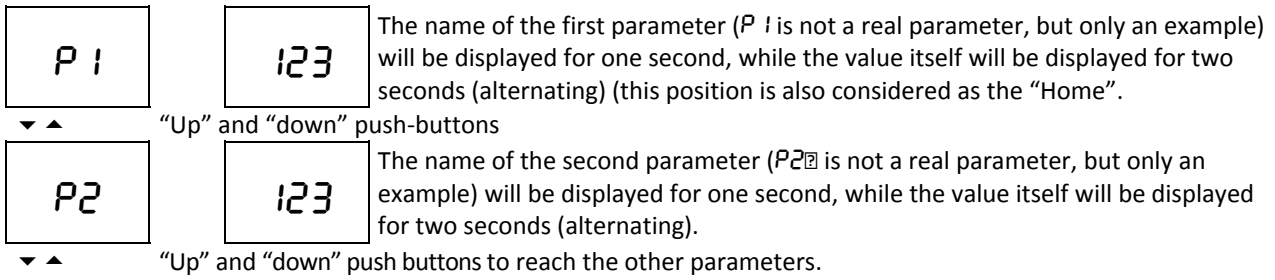

Figure 2; LCD Layout

❄	The snow symbol is active when the unit is in cooling operating mode.
❀	The fan symbol is active when the unit is running, that means that the fan(s) is (are) operating.
☀	The sun symbol is active when the unit is in heating mode.
⚠	The alarm triangle is ON when either a warning or an alarm is active.
STANDBY	The 'STAND BY' string will be displayed when the unit is in the stand-by mode (not running). Attention: There is a 3 minutes after-running time when changing from ON to STANDBY. Therefore the Unit displays STANDBY with fans still on for a time of 3 minutes.
SET	The 'SET' string will be displayed after the correct password is entered; the presence of this string on the display confirms the full access to the displayed parameters.
RH %	The 'RH' and '%' strings appear when relative humidity is displayed on the LCD.
°C (°F)	The '°C' (or '°F') string appears when temperature is displayed on the LCD.

1.1.1 How to move through the Values/Parameters of the 3 Digits Display

All Values and Parameters are listed up just one after the other. To jump the next parameter, simply the "down" button has to be pressed.

$P1$

123

The name of the first parameter ($P1$ is not a real parameter, but only an example) will be displayed for one second, while the value itself will be displayed for two seconds (alternating) (this position is also considered as the "Home".

▼ ▲   "Up" and "down" push-buttons

$P2$

123

The name of the second parameter ($P2$ is not a real parameter, but only an example) will be displayed for one second, while the value itself will be displayed for two seconds (alternating).

▼ ▲   "Up" and "down" push buttons to reach the other parameters.

1.1.2 How to enter the Password (PIN)

Without password or by entering the wrong password, read only access is given, without the possibility to change values.

To enter a *password* into the 3 Digits Display, select the "Pin" parameter by pressing the "down" push-button as often as necessary. When pressing "Enter" ("mode"), a 0 will be displayed as first digit on the left and will be followed by two dashes (a password is made of 3 digits). Change the numeric value by pressing the "up" or "down" push buttons. After having obtained the required numeric value, press "Enter" ("mode") to go to the following digit. Pressing "Enter" ("mode") after having selected the last *password* digit, the parameter ("Pin") name will be displayed again. If the correct *Password* is entered, the desired modifications can be made. Reaching the next changeable Parameter, the 3 Digits Display will show a "SET" string, which is the confirmation, that the PIN was entered correctly.

Level 0 (no password)	Read only
Level 1	User Level

The password is valid until the first parameter / value ("Home") of the list is displayed again. Never leave the Unit without jumping back to "home" (pressing "Enter" and "UP" together).

1.1.3 How to change Parameters

To change the value of a parameter (possible only when the Password "PIN" has been correctly inserted), scroll the list using the "up" and "down" push-buttons until the desired parameter is displayed and press "Enter" ("mode"). By pressing the "up" and "down" push buttons, it is possible to change the corresponding value; after having obtained the required value, press enter (**"mode"**) again. The display will show again the name of the parameter alternating with the new value.

1.1.4 How to reset Alarms or Warnings

When an alarm is triggered, the red alarm LED is lit on the 3 Digits Display Module and the corresponding symbol is shown in the Display.

The Alarm section can be reached by pressing the "up" push-button when the first parameter is on the display; alarms are pointed out according to their code order.

After having entered the alarm section, the alarm code is displayed and every second the code is replaced by the coded description.

Pressing the "Enter" key ("mode"), when an alarm code is displayed on the LCD, all the active alarms will be reset. After the reset operation, all the still active alarms will be shown again. If there are no more active alarms, the first parameter / value of the list will be displayed again.

1.1.5 StandBy button and remote switch

User can put the unit in stand-by once pressed the "StdBy button" for more than 2 seconds. The unit can be restored into the ON status when the "StdBy" button has pressed once. Note that remote switch overrides the button "StdBy" functions when it is in OFF mode i.e. when the remote switch is on OFF status the "StdBy" button is disabled.

1.1.6 Tricks

Pressing the Enter-button ("mode") together with the "Down" button jumps to the last parameter in the list. Pressing the Enter-button ("mode") together with the "Up" button jumps to the first parameter (home) in the list.