

# Controller. Operation and function










## User interface

S2






### LEDS

Each LED function is described in the following table.

LED	MODE	Function
	ON	Compressor enabled
	Flashing	Anti-short cycle delay enabled
	ON	An alarm is occurring
	ON	Recording activated
	ON	Battery is fully charged
	Flashing	Battery is beeing charged
	Flashing	Charging problem or battery failure
	ON	Measurement unit
	Flashing	Programming phase

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## Buttons

<b>SET</b>	To display target set point; in programming mode it selects a parameter or confirm an operation.
	(UP) To enter fast access menu In programming mode it browses the parameter codes or increases the displayed value.
	(DOWN) In programming mode it browses the parameter codes or decreases the displayed value. Push it for 3 sec to start a manual defrost.
<b>DATA</b>	Export data from button.
	Not relevant.
<b>REC</b>	Log activation and deactivation from button (Password protected).

## How to see and modify the setpoint

### How to: See the Set point

1. Push and immediately release the SET key: the display will show the Set point value.
2. Push and immediately release the SET key or wait for 60 sec to display the temperature in the unit.

### How to: Change the Set point

1. Push the SET key more than 2 sec to change the Set point value.
2. The value of the set point will be displayed and the “°C” LED will start blinking.
3. To change the Set value push the UP or DOWN arrows within 60 sec.
4. To save the new set point value, push the SET key again or wait for 60 sec.

## Clock settings and RTC alarm reset RESET

1. Push the UP key once, to acces the menu.
2. The display shows HΠ, then push SET.
3. The parameters for setting time and date occurs. To set the parameter push SET, push the UP or DOWN button to change the parameter. Confirm by pushing SET.

The time and date parameters:

Hur: hour  
 Πin: minutes  
 Udy: weekday  
 dAy: date  
 Πon: month  
 yEA: year

**To exit:** Press **SET + UP** keys for about 10 sec. or wait 60 sec.

## S7 How to export data and alarms to USB

1. Insert the **USB** key
2. Push the **DATA** key for more that 3 sec.
3. Controller starts uploading data to **USB**
4. At the end the following message will be displayed:
  - a. "End" if everything it's ok
  - b. "Err" if exporting has not taken place.

## Alarms

The controller memorizes the last 100 alarms happened, together with their start and finish time. It's possible to export the alarms as described in the previous chapter.

### Active alarm

Controller will show active alarm alternated with the temperature inside the unit.

## Alarm signals

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Message	Cause
"PF1"	Regulating probe TR3 failure
"HA1"	TR3 High Alarm
"LA1"	TR3 Low Alarm
"dA"	Door Open Alarm
"CA"	Serious Alarm

The alarm message is displayed until the alarm condition is recovered.

All the alarm messages are showed alternating with the temperature in the unit.

Except for the "PF1" which is flashing.