



## EPoCA

User manual:  
Professional solution for the  
remote management of  
refrigerated units and  
food equipment

- | Cloud platform with Wi-Fi connection
- | Free of charge
- | Ready to use
- | Easy to install solution
- | Remote unit configuration
- | Protected multi-unit and multi-user access
- | Responsive design



**IMPORTANT**

Read this document thoroughly before installation and before use of the device and follow all recommendations; keep this document with the device for future consultation.  
Only use the device in the way described in this document; do not use the same as a safety device



**CONSIDER THE ENVIRONMENT**

Please read carefully and save this document

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## Introduction

EPoCA is a remote monitoring system based on a cloud platform which meets the needs of the food preservation and cooking sector, from refrigerated units to food equipment.

All that is needed is a simple onsite Wi-Fi internet connection to enable **EVCO controllers**, using **EVlink Wi-Fi modules**, to connect to the cloud system, making it possible to remotely manage equipment from a PC, tablet or smartphone.

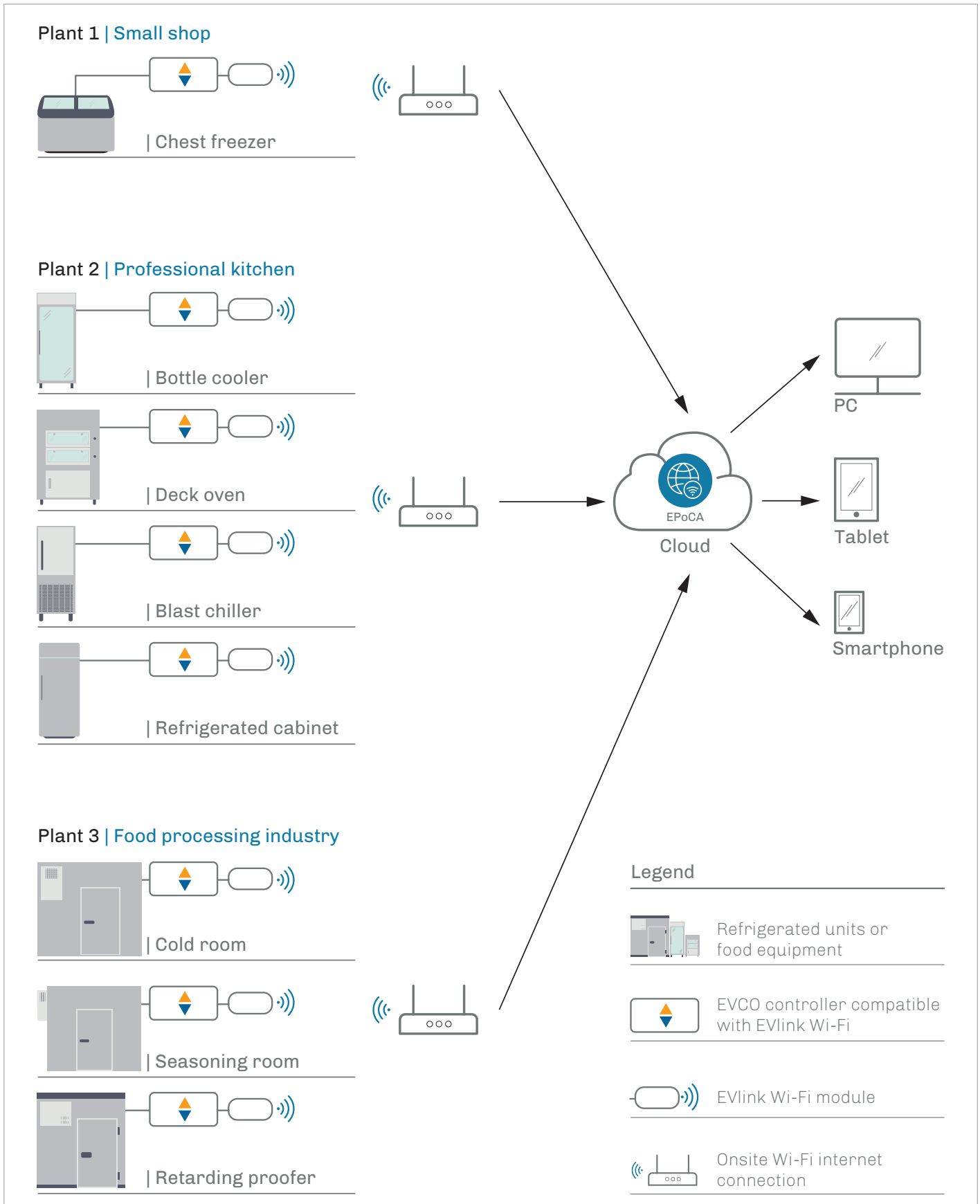
The responsive design and the graphic interface conceived to provide a pleasant user experience make **EPoCA** a ready-to-use solution for easily accessible monitoring operations, even for entry-level users, while offering all the typical functions of professional platforms.

With appropriate protection measures for access and data, the system makes it possible for one or more enabled users to operate remotely on the unit to configure its parameters, view HACCP data (also in graphic form) and to download records in the most popular formats, such as XLSX, CSV and PDF.

The functions playing a key role include alarm warnings sent automatically by the system to selected e-mail addresses.



## Operating diagram - example



## How to get started

Make sure to carefully read the installer manual before starting any wiring and configuration.

Check the download section at <http://www.evco.it/en/16215-epoca>

The configuration of your **EVlink Wi-Fi** shall be performed from a device with Wi-Fi connectivity in the following ways:

1. Via internet browser  
Please refer to the installer manual for instructions  
Check the download section at <http://www.evco.it/en/16215-epoca>
2. Via EVlink Wi-Fi app  
If you work from smartphone or tablet (Android 5.0 or later versions), you can download our **EVlink Wi-fi app** on Google Play for an user-friendly configuration.  
Please watch video tutorial here <https://youtu.be/TEgLIRAnSGQ>

Once the configuration of your **EVlink Wi-Fi module** has been completed, a "*plant file*" will be available on your device.

A group of EVCO controlled units, namely a "*plant*", can be created simply by uploading the first "*plant file*" in the configuration page of each additional **EVlink Wi-Fi** you want to add in the same plant. You can group them according to your needs.

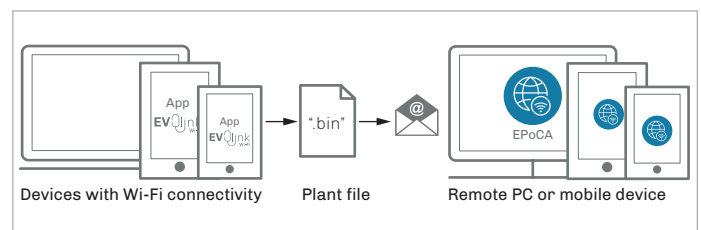
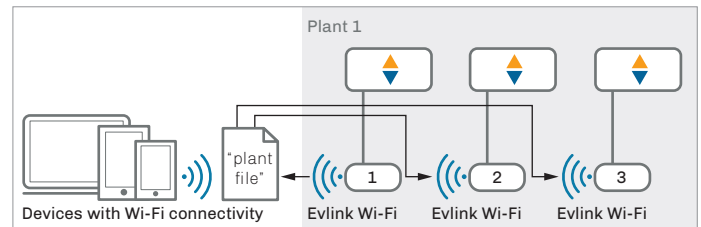
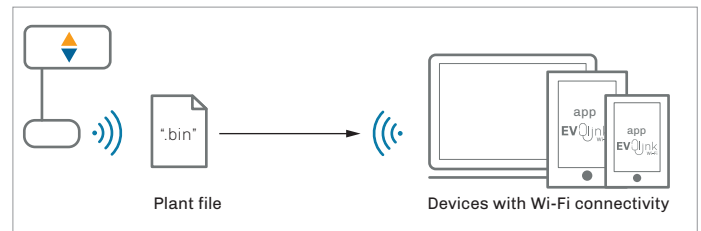
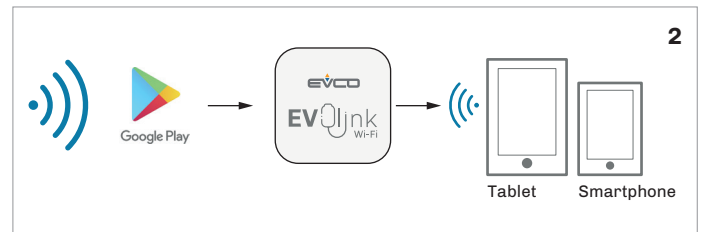
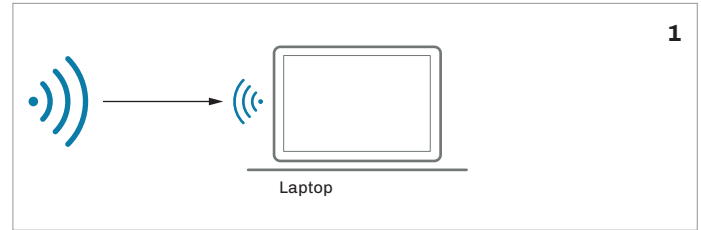
If you want to add EVCO controlled units to an existing plant, you just need to upload the same "*plant file*" in all **EVlink Wi-Fi modules**.

The units will be automatically detected.

Now open your internet browser and go to <https://epoca.cloud/>

If you have not created your EPoCA account yet, besides producing username and password, it is mandatory to upload at least one "*plant file*" and the relative plant password.

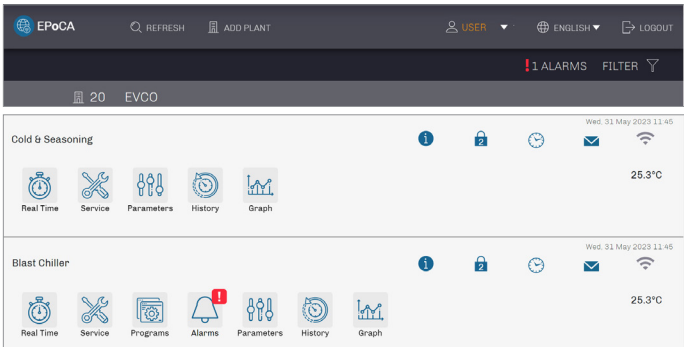
If you already have an EPoCA account, you can add further plants, provided you have the relative "*plant file*" along with the plant password.



## Home page

From your EPoCA account, you are entitled to remotely view the status of all the units associated to your account, provided that they are switched on and the internet connectivity is working.

Below is an example of what the EPoCA home page will display:



Heading

Operation area

### Heading



Heading

Below is an overview of the functions available on the home page heading

### Setting



Go to home page



Upgrade the status and discover new units

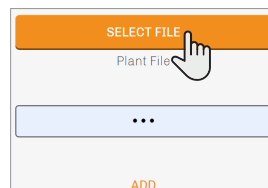


Loading...



Add new plants

You can add further plants in your EPoCA account, simply by uploading the new "plant file" available after EVlink Wi-Fi configuration







**User Name**

The "Settings" menu includes the following functions:

- Rename the plant
- Delete plants and units
- Download plant files

The "Account" menu includes the following functions:

- Add/delete email accounts as recipients of messages and alerts
- Set the type of messages the recipients shall receive

The "Alarm" menu includes the following functions:

- Enable/disable plants/units to send alerts on real time events
- Enable/disable/delay off-line alerts

	Settings
	Account
	Alarms

**Status**



**OFFLINE** Number of offline units

**FILTER** Filter by unit name

You can choose to display the desired unit through this filter

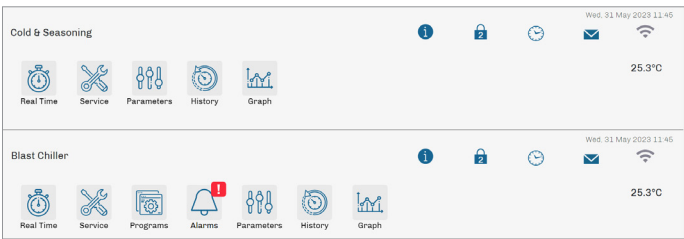
**! 1 ALARMS** Alarm underway

To view where the alarm is occurring, press on this button

**3** Number of connected units in the plant

**EVCO** Plant name

### Operation area



This area shows all the unit configuration and monitoring options available to users

### General info and configuration



This area includes info and general configuration functions



#### Unit parameter map

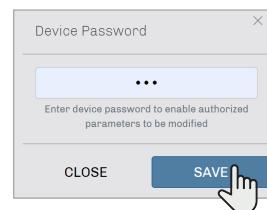
This area shows an overview of the unit parameters and settings. It is a read-only area available also in off-line mode

PAR.	DEF.	PARAMETERS	MIN..MAX
P5	1 (cab)	Value Displayed	0..5 0 = None 1 = Input 1 2 = Input 2 3 = Input 3 4 = Setpoint 1 5 = Setpoint 2



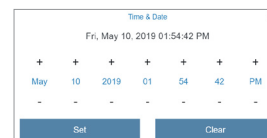
#### Set unit access level

This area gives the possibility to modify your unit access level, provided you enter the unit password



#### Set unit time and date

This area enables users to adjust unit time and date



#### Notification status

This area shows whether the unit is set for sending alerts to your email account



#### Wi-Fi signal range

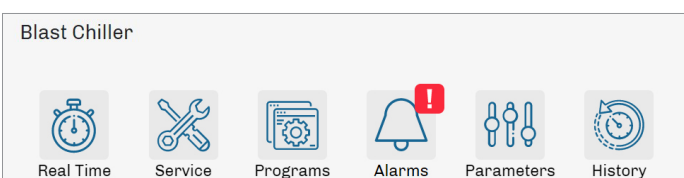
This area shows the range of the Wi-Fi signal



#### Main unit value

This area shows the unit most significant value (usually temperature) currently detected

### Unit configuration and monitoring



This is the main working area with a function menu for each unit. For more details see the following chapter "Configuration and monitoring functions"

## Configuration and monitoring functions

This area shows all the connected units listed with their own names under the plant they belong to. Each unit has its own menu for remote configuration and monitoring functions and the user can perform operations according to his personal access level.

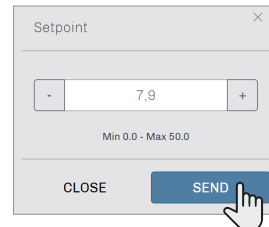
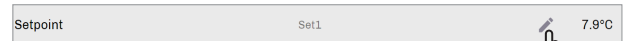
When menus include values which can be modified by the user, they are marked by the following symbol:



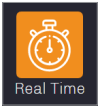
### Pencil

When this symbol is displayed and active, the relative value can be modified by the user

You can change the setup by entering/selecting the desired value and confirming on the SEND button



### Real time



#### Real time

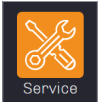
This menu gives an overview of the main current data of the unit and enables users to modify some of the setups.

Real Time		
Setpoint	Set1	7.7°C
Energy Saving	ESAV	Inactive
Regulation Output	orEG	Inactive
Defrost Status	SdEF	Inactive
Door	door	Closed
Active Alarm	ALAR	Inactive
Defrost Command	cDfr	---

Description	Code	Value
↓ <b>Setpoint</b>	↓ Set1	↓ 7.7°C

### Service



#### Service

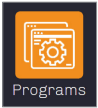
This menu gives a more comprehensive overview of the device current data and enables users to modify some of the setups.

Service		
Setpoint	Set1	7.7°C
Humidity Probe	Pb2	64.3%
Configurable Probe	Pb3	3.8°C
Working Setpoint	rSEt	7.7°C
Energy Saving	ESAV	Inactive
Overcooling/Overheating	Ovrc	Inactive
Door	door	Closed

Description	Code	Value
↓ <b>Setpoint</b>	↓ Set1	↓ 7.7°C

### Programs



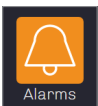
#### Programs

This menu enables the user to modify the working programs available in the unit. All the values can be edited as needed. Should the unit support the remote cycle start/stop function, a dedicated field will be available within this menu.

PROGRAMS			
Dripping Time	tdrp		10h
Core Temperature	tCor		30.0°C
Dripping Setpoint	Set1		20.0°C
Dripping Humidity Setpoint	Set2		0%
Low Speed Fans In Dripping	Fan2		No
Rest Function In Dripping	Rest		No
Drying 1			

Description	Code	Value
Dripping Time	tdrp	10h

### Alarms



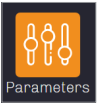
#### Alarms

This menu will be displayed in the unit "operation area" only when an alarm is in progress. To view which alarm is occurring, enter this menu.

Alarms		
Auxiliary Probe Alarm	Pr3	Active

Description	Code	Status
Auxiliary Probe Alarm	Pr3	Active

## Parameters



### Parameters

This menu gives access to the complete list of the unit parameters. All the values can be modified by authorized users to set up the unit as needed.

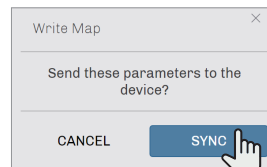
Parameters				
Parameters		Current		Modified
Probe Type	P0	NTC		NTC
Humidity Probe Offset	CA2	2%		2%
Auxiliary Probe Offset	CA3	0.1°		0.1°
Cabinet Probe Offset	CA1	0.2°		0.2°
Enable °C Decimal Point	P1	Yes		Yes

Description	Code	Current	Modified
Probe Type	PO	NTC	NTC



### Upgrade

All the values modified in this menu will be sent to the unit only after you press this button



Data are being transferred to the unit



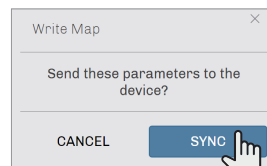
### Other functions for parameters menu

Some additional functions are available on the menu top area



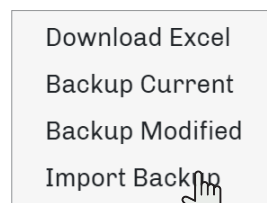
### Number of modified values - Sync

The button displays the number of modified values. By pressing on the "SYNC" button, all the new setups will be sent to the unit

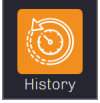


### Export data

- This area enables the user to:
- download the parameter map in Excel format
  - save current/modified parameter in a backup file
  - import the backup file into another compatible unit



## History



### History

This menu enables the user to display the historical recordings in a table form. Time interval and values to be displayed can be freely filtered by the user. If an alarm occurred in the selected interval time, the table row will be displayed in red colour.

SET DATE

Show

☰

Search:

Date	Regulation Probe°C	Humidity Probe%	Configurable Probe	Compressor	Defrost Output	Alarms
2019-05-13 00:00:00	6.2	71.1	3.7	Inactive		
2019-05-13 00:05:00	6.4	76.9	6.3	Inactive		
2019-05-13 00:10:00	5.9	71.7	5.6	Inactive		

### Procedure to select the table



When you enter the "history" menu, this window will pop up

Choose Interval

From

31 May 2019

Up To

31 May 2019

CLOSE

FILTER

○ Select the start date

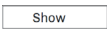
○ Select the end date

○ Select filter to view the history table

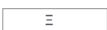
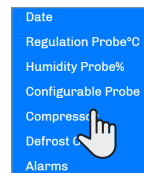
### Once the table is displayed, other functions are available:



You can choose a different time interval for your table



You can choose what values you want to display in your table



You can select different formats for exporting or printing your table file

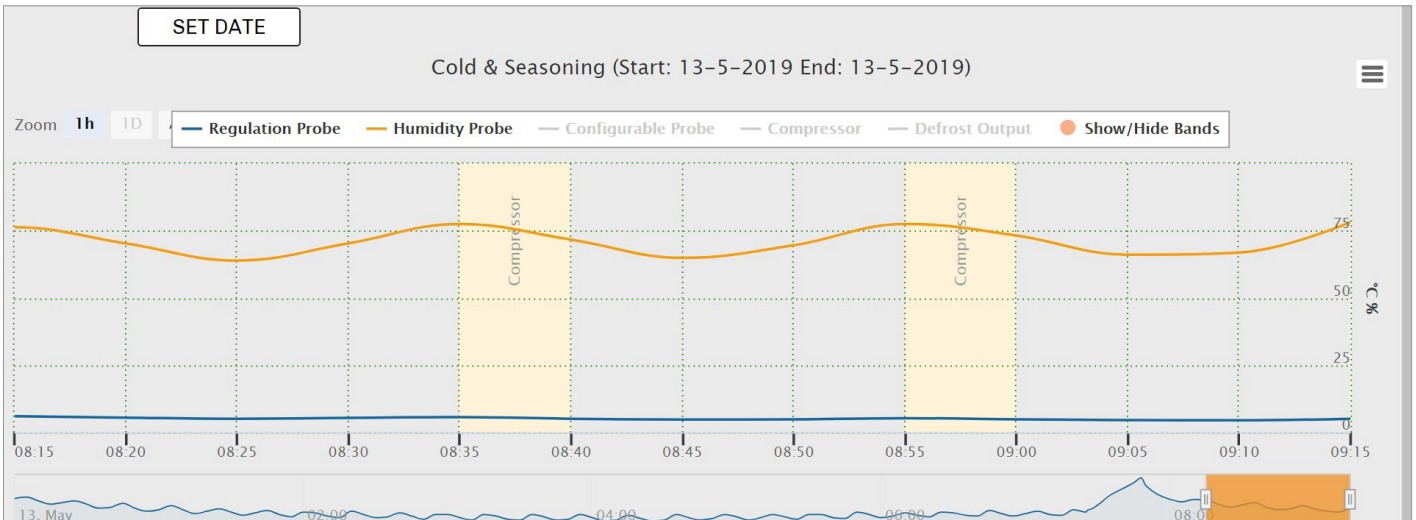


## Graph



### Graph

This menu enables the user to display the historical recordings in a graph form. Time interval and values to be displayed can be freely filtered by the user. If an alarm occurred in the selected interval time, the area will be displayed in red colour.



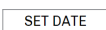
### Procedure to select the graph



When you enter the "graph" menu, this window will pop up

- Select the start date
- Select the end date
- Select filter to view the history graph

### Once the graph is displayed, other functions are available



You can choose a different time interval for your graph

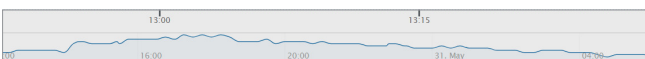
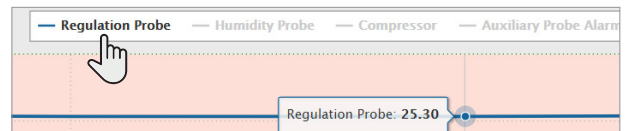


You can view your graph in a full-screen mode and you can select different formats for exporting or printing your graph file

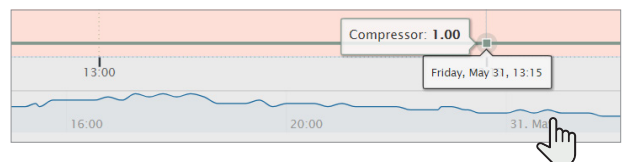
- View in full screen
- Print chart
- Download PNG image
- Download JPEG image
- Download PDF document
- Download SVG vector image



You can choose what values you want to display in your graph simply by selecting/deselecting the desired values



By positioning the selector on the graph line, you can display the value record in a specific time







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