EPoCA

User manual:

Professional solution for the remote management of refrigerated units, food equipment and air conditioning systems

- Cloud platform
- Free of charge
- Ready to use
- Easy to install solution
- Remote interaction with the controlled units
- Automatic e-mail allerts
- 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.

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.

To connect to the cloud system and remotely control machinery from a PC, tablet or smartphone, all users need is an EVCO controller with native EPoCA® technology and connectivity which is either built-in or provided by external hardware modules. The devices can be asily configured using the dedicated EPoCA Start mobile app.

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.

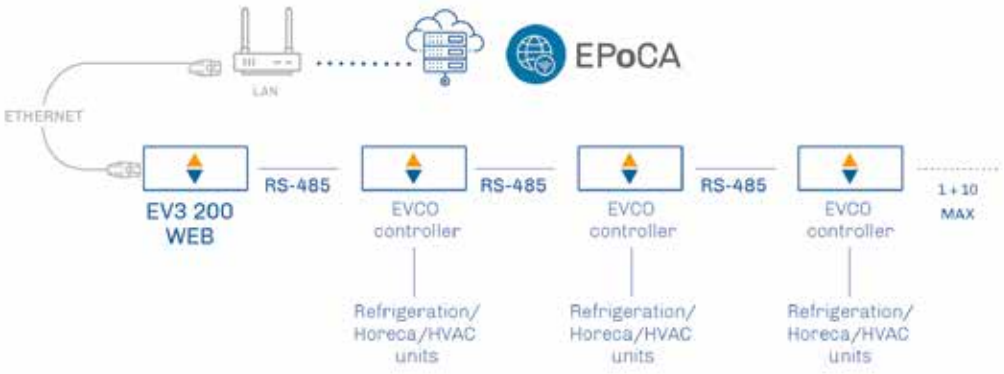
With appropriate protection measures for access and data, the system makes it possible for one or more enabled users to operate remotely on the unit to configure its parameters, view HACCP data (also in graphic form) and to download records in the most popular formats, such as XLSX, CSV and PDF.

Operating diagram - example

Built-in Wi-Fi connectivity

External Wi-Fi connectivity

Ethernet connectivity



How to get started

A) EVlinking Wi-Fi configuration

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 **EVlinking Wi-Fi** shall be performed from a device with Wi-Fi connectivity in the following ways:

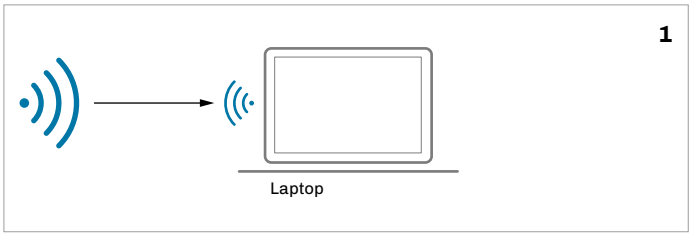
1. Via internet browser
   Please refer to the installer manual for instructions
   Check the download section at
   http://www.evco.it/en/16215-epoca

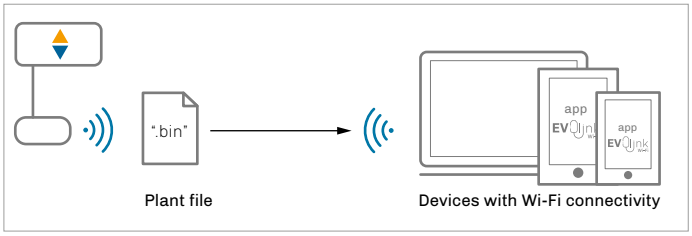
2. Via EVlinking Wi-Fi app
   If you work from smartphone or tablet (Android 5.0 or later versions), you can download our **EPoCA Start app** on Google Play for an user-friendly configuration.

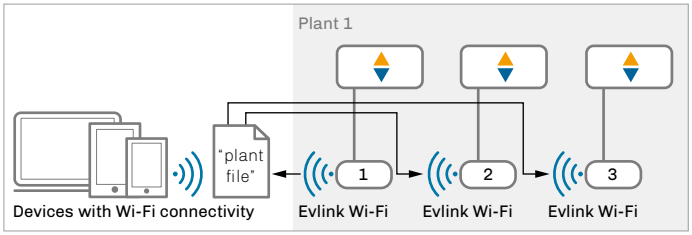
Once the configuration of your **EVlinking Wi-Fi module** has been completed, a "*plant file*" will be available on your device.

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 **EVlinking 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 **EVlinking Wi-Fi modules**.
The units will be automatically detected.







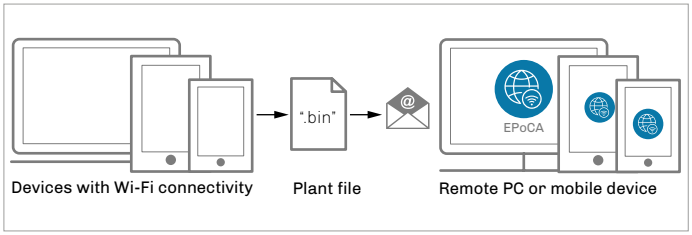
B) EV3 200 Web configuration

To configure EPoCA with EV3 200 Web, please visit our website EVCO and download the dedicated manual:
https://www.evco.it/en/16409-ev3-200-web

How to access the EPoCA portal

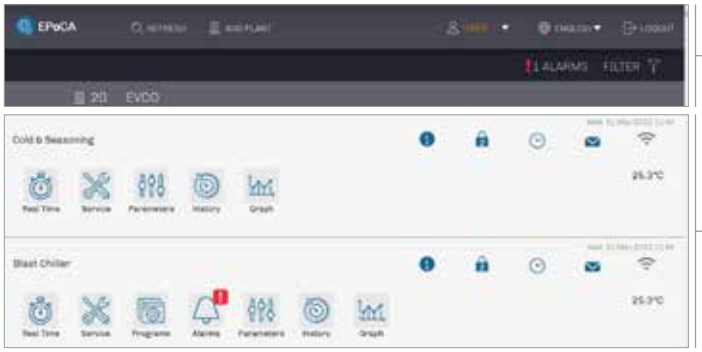
Open your internet browser and go to:
https://epoca.cloud/
If you have not created your EPoCA account yet, besides producing username and password, it is mandatory to upload at least one "*plant file*" and the relative plant password.
If you already have an EPoCA account, you can add further plants, provided you have the relative "*plant file*" along with the plant password.

If you don't remember the password click the link **Lost your password? Click here**, digit your username and on afterwards click the link **SEND RESET REQUEST VIA EMAIL**: an email (to the address you have set while creating the account) with a link to change the password will be sent.
If you don't remember your username and/or the email has been removed from the account, it is necessary to contact EVCO.



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

EPoCA Go to home page

REFRESH Upgrade the status and discover new units

Loading...

ADD PLANT Add new plants

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

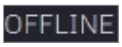
User Name

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

Status



Number of offline units

Filter by unit name

You can choose to display the desired unit through this filter

Alarm underway

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

Number of connected units in the plant

Plant name

Operation area

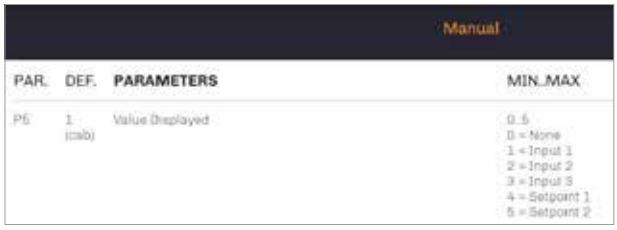
This area shows all the unit configuration and monitoring options available to users

General info and configuration

This area includes info and general configuration functions

Unit parameter map

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



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

6.4°C

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

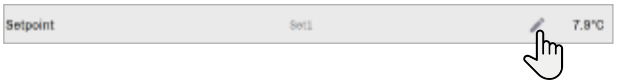
This area shows all the connected units listed with their own names under the plant they belong to.
Each unit has its own menu for remote configuration and monitoring functions and the user can perform operations according to his personal access level.

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 overwiew 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	Label	Value
Setpoint	Set1	7.7°C

Service

Service

This menu gives a more comprehensive overwiew 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	Label	Value
Setpoint	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.

Description	Label	Value
Dripping Time	tdrp	10h

Alarms

Alarms

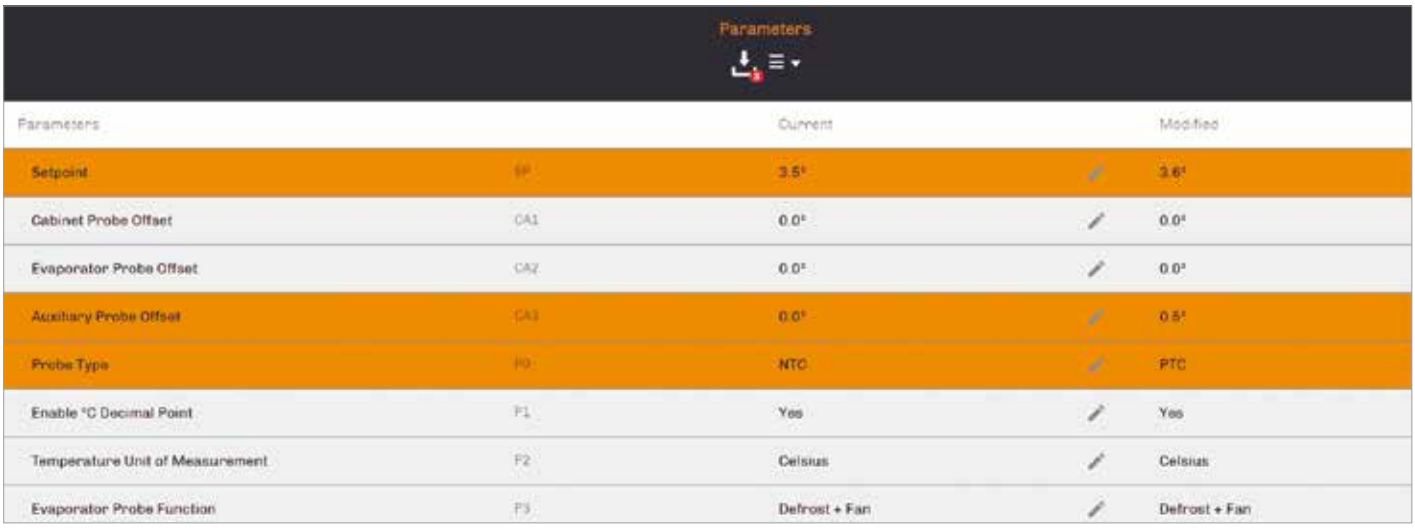
This menu will be displayed in the unit "*operation area*" only when an alarm is in progress.
To view which alarm is occuring, enter this menu.

Description	Label	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.



Description	Label	Current	Modified
Probe Type	P0	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

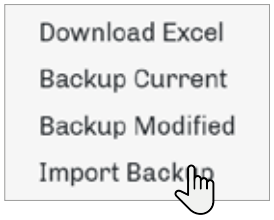
Some additional functions are available on the menu top area

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

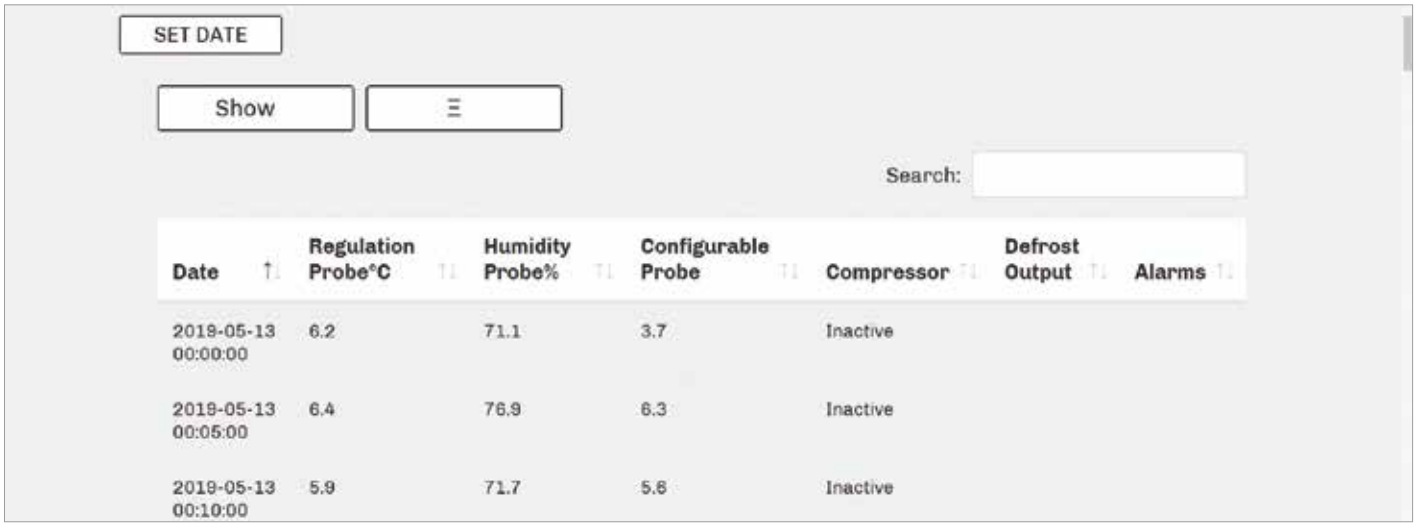
This area enables the user to:
- download the parameter map in Excel format
- save current/modified parameter in a backup file
- import the backup file into another compatible unit



History

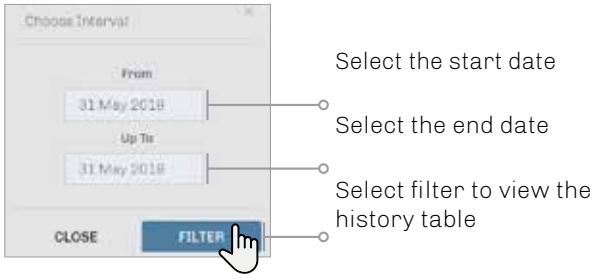
History

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.



Procedure to select the table

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



Once the table is displayed, other functions are available:

You can choose a different time interval for your table

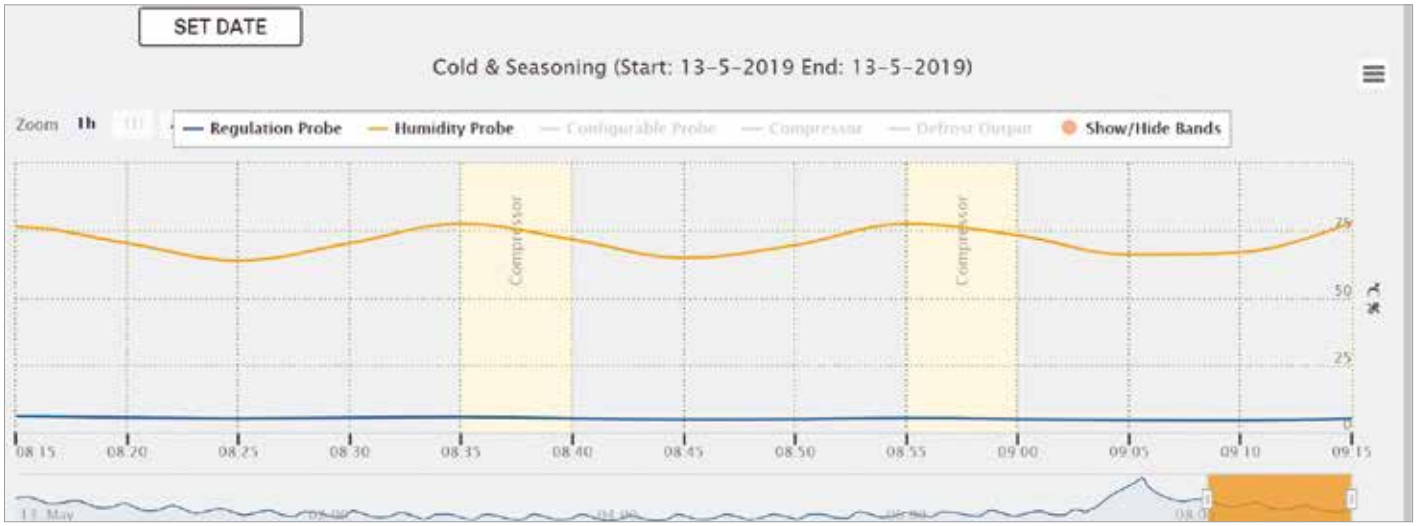
You can choose what values you want to display in your table

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

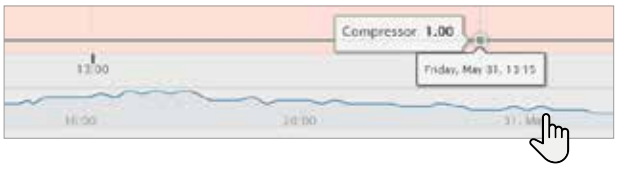
SET DATE

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

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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