

High  
Efficiency  
Solutions.

CAREL



# PlantWatchPRO

System monitoring and  
optimisation



# Touch, the new concept in monitoring

CAREL, leader in the HVAC/R market, offers a new system monitoring and supervision solution.

Monitoring, control and optimisation solution for:

- small and medium-sized supermarkets;
- cold rooms;
- restaurants chains;
- service stations;
- retrofits

PlantWatchPRO now comes with a new design that offers the best response to the needs of medium-small installations. Upgraded hardware performance together with a new 65,000-colour display give users a new and powerful tool for system monitoring and management. Both compact and versatile, this new version helps installers, maintenance personnel and store managers control and optimise refrigeration and air-conditioning systems.

PlantWatchPRO is the ideal tool for recording temperatures in compliance with the HACCP principles, including the possibility to export data or send reports by email in different formats. Combined with the CAREL rTMSE Wireless solution, this also offers the quickest retrofit solution for temperature monitoring. Attractive graphics and an intuitive menu layout make the system easy to both use and configure. Remote access to the system, using a web interface on a PC, smartphone or tablet, means authorised users can set system parameters for maintenance or optimisation.

PlantWatchPRO is available in two versions:

- panel: ideal for installation in equipment rooms, on the electrical panels that are already available onsite or can be specially installed;
- wall: ideal for installation in places such as offices and control rooms.



Tablet interface



## Wide

All the information is available by simply touching the new 7-inch display. Also accessible via PC, smartphone or tablet.



## Protocols

Integration and management of third-party devices using the Modbus protocol.



## Web

Easy to connect to Intranet / Internet, and web server functions.

# Complete system control: commissioning, service, reports and energy savings

Carel's experience and know-how in HVAC/R has led to the development of increasingly innovative and technologically-advanced solutions for supervision and monitoring applications.

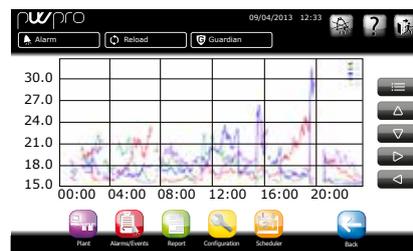
**Commissioning** is one of the most critical and time-demanding operations when putting a system into service. Having a tool available that simplifies the procedures and reduces system commissioning time is fundamental. With its intuitive graphic interface and several dedicated functions, such as creation of multiple-device lines and parameter broadcast, PlantWatchPRO makes initial system configuration fast, simple and safe.

PlantWatchPRO is the ideal solution for **Service Maintenance**. Access to the system is done directly onsite thanks to the 7-inch display, or via a remote connection, using the web interface. The rule management engine manages notifications of all system alarms over several different channels, such as email/SMS, based on priority and set time bands. The scheduler can be used to program specific actions at certain times, such as switching the lights on/off, or activating defrosts.

Graphs and charts are available for analysing system operation, so as to identify specific situations or malfunctions and consequently respond in order to restore the system to optimum operating conditions. Temperature or other data, such as energy consumption or critical system parameters, can be logged and used to generate **reports**, which can be downloaded to a USB device or sent automatically by email. All this to offer users not only a complete analysis tool, but also proof of compliance with HACCP requirements.



Line configuration



Graph



Login page



Touch keyboard

| Device | Alarm                  |
|--------|------------------------|
| pCO 1  | High Temperature Alarm |
| pCO 2  | High Temperature Alarm |
| pCO 3  | Low Temperature Alarm  |
| pCO 4  | General Alarm          |
| pCO 5  | Alarm                  |

List of alarms

| Device   | Variable   | Value |
|----------|------------|-------|
| MPXPRO 1 | Variable 1 | 2° C  |
|          | Variable 2 | 5° C  |
| MPXPRO 2 | Variable 1 | -6° C |
|          | Variable 2 | 4° C  |
| MPXPRO 3 | Variable 1 | 2° C  |

Main screen



## Service

Access to all system parameters. Authorised parameter setting according to the access profile. Troubleshooting using the graphs



## Food quality

Alarm management and logging of critical data in accordance with HACCP requirements.



## Energy savings

Floating Suction - Smooth Line. New algorithm to maximise evaporator efficiency according to cabinet cooling demand.

# Flexible solution for different types of applications

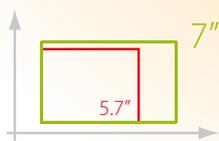
The web interface allows complete system monitoring and configuration over a simple Internet connection, using a browser, smartphone or tablet.



Cold rooms  
 Restaurant  
 Petrol station  
 Express store  
 C-store  
 Hard discount  
 Warehouses  
 Retrofit



**Empowered**



#### Display

- New wide touch screen 7"
- 800 x 480 WVGA
- 65.000 colours display



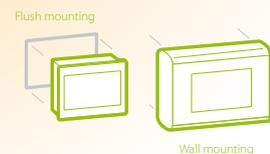
#### Performance:

- New powerfull CPU
- x4 time more fast



#### Storage

- Up to 500 variables logged
- x5 time more storage space



#### Installation:

- Panel version for e-box or technical mount
- Wall version for ambient / office mount

## Headquarters ITALY

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