



# MPXone

Total connectivity and high efficiency for multiplex showcases

**Connected** Efficiency

# The new controller for management of remote showcases

MPXone revolutionises the refrigeration units used in supermarket applications through the introduction of wireless connectivity combined with the benefits of continuous modulation.

## Main features of the solution:

- complete control of the remote showcase
- master/slave network management
- integrated connectivity to supervisory systems
- interaction with mobile devices
- completely upgraded design

## Master/Slave network

Up to 9 slaves operating in sync with the master in terms of operating conditions, defrosting and sharing of probes and control signals.

## Wireless connectivity

With NFC™ and Bluetooth® technology for interaction with mobile devices.

## Upgraded look

With a larger display, backlit buttons and multicolour icons.

## Easy to install

Available in two versions: panel and DIN rail mounting.

## Integrated BMS and Fieldbus

For connection to the store's supervisory system and integration of Modbus devices.

## Continuous modulation

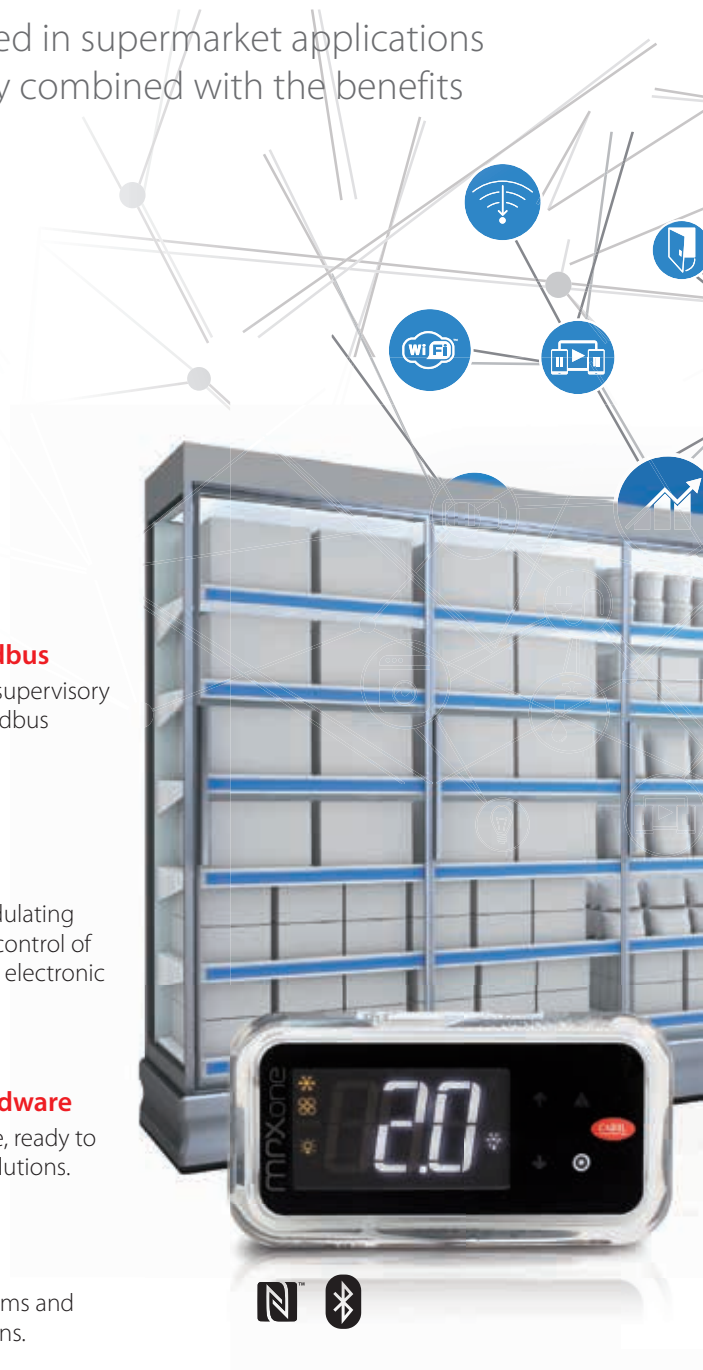
Driving modulating fans, modulating anti-sweat heaters and serial control of an external driver for unipolar electronic expansion valve.

## Modular and flexible hardware

For a complete product range, ready to adapt to new application evolutions.

## High number of I/Os

For advanced control algorithms and analysis of operating conditions.



### Always-on connectivity

Both in the field via integrated BMS and Fieldbus serial ports, and wireless via NFC™ and Bluetooth® technologies.



### New interaction experience

Using the advanced tools available for both PCs and mobile devices.



### High efficiency

Through management of modulating loads and serial integration of the most innovative energy saving devices.



## New user experience with APPLICA

Wireless connectivity - using both NFC™ and Bluetooth® technologies - revolutionises interaction with the refrigerated units, simplifying the user experience with the dedicated APP and Cloud support.

This architecture means that contents, such as parameter configurations and documentation, and user profiles and related access levels, can all be synchronised, thus guaranteeing rapid commissioning.



# APPLICA







APPLICA is the innovative CAREL APP for smartphones that simplifies interaction with MPXone by shifting the user interface from the display to mobile devices.

The resulting potential in terms of graphics and the new architecture mean:

- faster commissioning and maintenance activities;
- easy interpretation of showcase operating conditions;
- updated documentation and official parameter lists available for configuration at all times.

## Versions available

MPXone is designed on a flexible and scalable platform, available in different versions, from entry-level to high efficiency.

	basic version	medium version
<b>Models</b>		
<b>I/O</b>	4 relays (16A, 8A, 5A, 5A) 3 NTC/PT1000  2 digital inputs	4 relays (16A, 8A, 5A, 5A) 3 NTC/PT1000 2 NTC/0-5V/4-20mA 1 NTC/0-5V/4-20mA/0-10V 2 PWM/0-10V 5 digital inputs
<b>Mounting</b>	Panel	Panel version or DIN rail with remote user interface
<b>Functions</b>		
Standard functions    	●	●
Variable-speed EC fans		●
Modulating anti-sweat heaters		●
Master/slave network	●	●
Fieldbus and BMS	●	●
External EEV driver management		●
NFC™	●	●
Bluetooth®		●

P/N	Description
<b>Controller(*)</b>	
S1M0004W0B060	MPXone, basic version, panel mounting, 24V, white display, 16A 8A 5A 5A relays, with connectors
S1M0006W0B070	MPXone, medium version, panel mounting, 24V, white display, 16A 8A 5A 5A relays, with connectors
S1M0006B0B080	MPXone, medium version, panel mounting, 24V, white display with BLE, 16A 8A 5A 5A relays, with connectors
S1M0007N0B110	MPXone, medium version, DIN rail mounting, 230V, 16A 8A 5A 5A relays, with connectors
<b>User interface(*)</b>	
AX3000PS20020	MPXone user interface RS485, NFC, white display, with keypad and buzzer
AX3000PS20030	MPXone user interface RS485, NFC and BLE, white display, with keypad and buzzer
AX3000PS20X10	MPXone RS485 repeater, white display

(\*) The products are also available in multiple packs.

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