

Solutions for Plug-In Cabinets

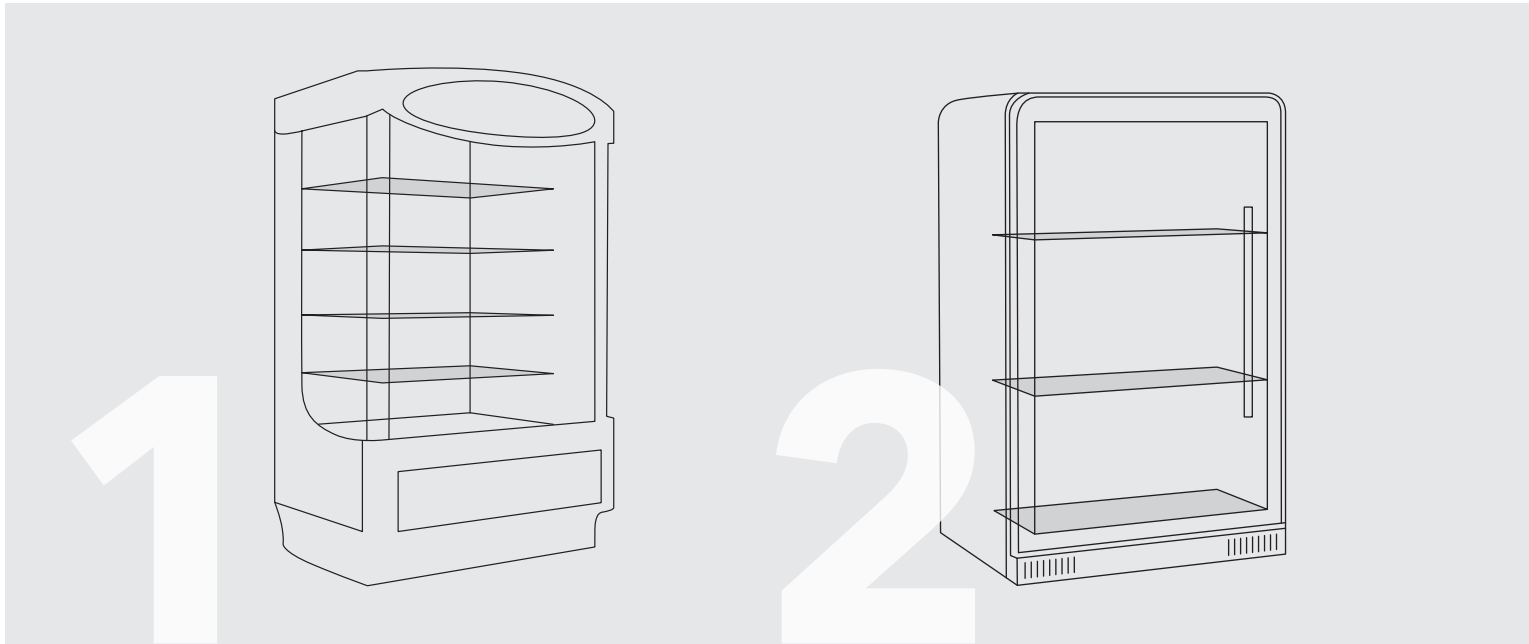
A comprehensive range of products for OEMs featuring the latest energy saving, reliability and simple installation solutions



Eliwell Solutions for Plug-In Cabinets

The Plug-In Market

Energy saving and environmental sustainability are two of the main considerations for Eliwell when we start to design and create products for the plug-in market. Our solutions for this market area are developed to enhance the following applications:



1. Soft drink, Beer coolers (temperatures above 0°C) and Ice cream refrigerators (temperatures below 0°C)

The controller needs to have an intuitive interface which is easy for the user to install.

2. Professional Bar & Kitchen equipment and wine coolers

Here the market needs design-oriented solutions developed with the knowledge that the end user will interface frequently with the device.



(Serie EWPlus EO)

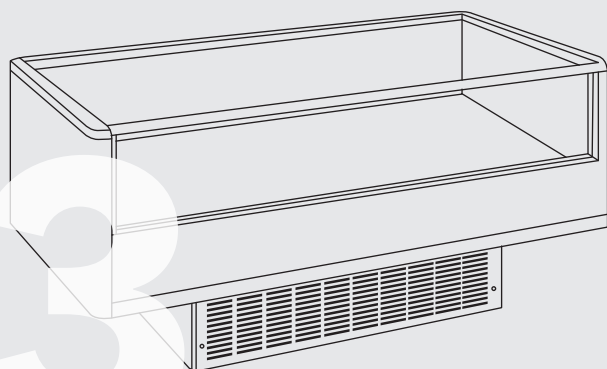


(Serie EWPlus)



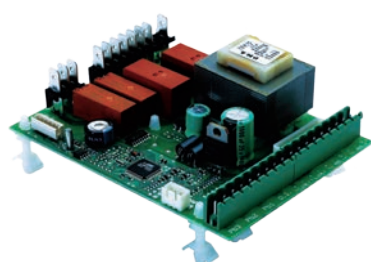
(Serie nEW)

Eliwell Solutions for Plug-In Cabinets



3. Retail and Supermarket solutions

Within Supermarket applications control is distributed between the power board and the remote user interface, whilst monitoring systems optimise consumption level.



(Serie IWP)



(Serie RTN)

Easy to use

Made with a standard 32x74 mm housing and fitting, these controllers have been designed in order to simplify the manufacturing process, their use and maintenance.

Reduced wiring with on-board power relay, quick connections, a simple and intuitive user interface and support tools on the production line allow for straightforward customisation. Reduction of controllers variants is also a key point for reduction of stock and forecasting complexity (row material income issue).

All controllers are compatible with UNICARD USB for a quick and easy programmability. It is possible both to download/copy instrument parameters and also power the controllers via USB.

Environmental sustainability

Special attention has been taken on reducing materials carbon footprint and maintenance need.

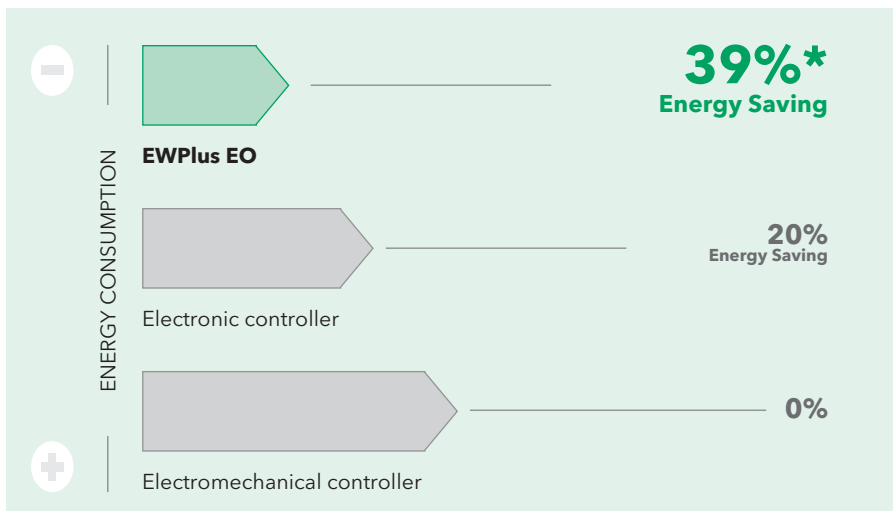
- Reduced components
- Reduced risk of failure due to external sensors
- Reduced waste and simplified recycling

Performance

- Ensured cooling performances
- Guaranteed safe conservation
- Easy configuration of optimal cooling parameters
- Dependable control

EWPlus EO: Environmentally Optimised

- Advanced control algorithms help to achieve an **energy saving of over 39%*** without any change to the cabinet construction
- Adaptive Energy Saving functions depending on the conditions of use of the cooler
- **Voltage protection** is provided to the compressor which increases its lifespan
- Product is **compatible with new eco-friendly refrigerants R290, R600**, according to IEC 60079-15-2005
- No need for additional sensors, thanks to **virtual door switch** function
- Optimized management of the night&day temperature changeover
- Voluntary certifications: ENEC/UL (check on the device label)
- **4 easy to select configurations** pre-loaded in a single controller

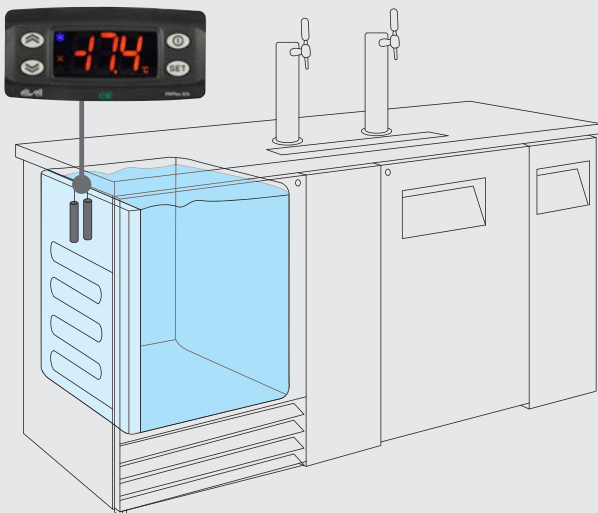


Increased components life

- Compressor protection from voltage fluctuations by embedded Low and High Voltage Detector LVD (patent pending).
- Advanced control algorithms enable lasting performance without any change to the cabinet construction.

EO solutions for refrigerated dispensers / beer taps

- Electronic temperature control
- Electronic control of ice level with single and double sensor
- Ice sensor sensitivity configurable by parameter
- Compatible with hydrocarbon applications (R290, R600a)



nEW: designed for OEMs



nEW 961
nEW 971

From 100 to 240Vac 50/60Hz
in a single model

The **nEW** series is the standard Eliwell solution for large production volumes.

Thanks to the **flexibility of the platform** and the library of available functions, nEW is the best solution for manufacturers who are looking for an innovative solution with the advantages of electronic control and at the same time **easy to install and use**.

- Easy installation with quick connectors
- Direct control of compressors up to 2 HP
- Front panel and connections protected from water
- Suitable for applications with hydrocarbons
- Universal power supply
- Copy card for fast programming
- Capacitive touch user interface



Energy saving up to 20%

in the renewal
of counters
with electromechanical
control

Plug-in for Retail

Easy to use

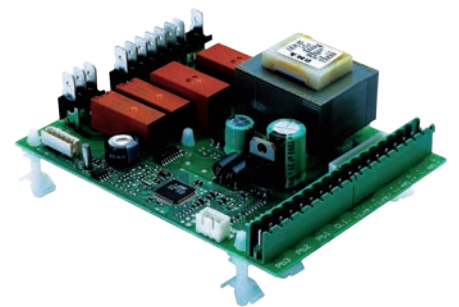
The reduced wiring with on-board power relay, quick connections, simple and intuitive remote user interface and support tools allow for straightforward customisation, even on the production line. The IWK remote keypads are available in three formats, all with reduced depth so that they can be used even in areas where installation space is at a premium.

Environmental sustainability

The devices offer a wide range of machine configuration options, predominantly because of its vast array of relays, which are available with power levels of up to 2 hp and can be used to control two separate compressors (CO₂ applications) with delayed activation.

IWP: HACCP

The option of logging "temperature alarm" and "blackout" events ensures that devices, in the Eliwell Wide Controllers family, comply with the European Directive 93/43 concerning HACCP.



IWP

RTN: Energy saving up to 25%

- The RTN boards can manage defrost synchronisation via the Link network, in order to optimise refrigerator cabinet output control and minimise energy consumption.
- The Real Time Clock can also be used to activate several special energy-saving functions in specific time bands, over the course of an entire week.



RTN 400

Design and ease of use



KDT

KDEPlus and KDWPlus

KDEPlus and KDWPlus are user terminals for full display and programming of controllers for remote and plug-in refrigerated cabinets of RTN, RTX and RTD families.

ECPlus

The remote ECPlus display can be used to view displayed data up to 100m away.

KDT

The KDT keyboard, made using backlit screen-printed plexiglass, with a perfectly smooth and easy to clean surface, combined with a modern look and the natural feeling of touch-sensitive keys with light and sound feedback. With its glued-on installation option, it offers reduced installation times, precise positioning and a protection rating of IP65.



KDEPlus



ECPlus



KDWPlus





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