

Life Is On



Solutions for Self-Contained Applications

- Meeting the new challenges of DOE 2017 and EPA
- Increase profits, simplify operations, gain a competitive edge *and* save energy



Self-Contained Refrigeration
Merchandisers & Reach-Ins
Food Service Equipment
Warming Equipment
Condensing Units & Chillers

Eliwell Solutions for Self-Contained Applications

Industry Challenges

- **ENERGY COSTS:** With increasing energy costs, it is paramount to improve energy efficiencies of refrigeration equipment running 24/7.
- **GOVERNMENT REGULATIONS:** Increasing regulatory demands with DOE 2017, EPA, Energy Star and California Title 24 on efficiencies, refrigerants, and insulating materials.
- **REFRIGERANT REQUIREMENTS:** With the EPA ban of common refrigerants and the need to improve efficiency, new refrigerants such as R290 and CO₂ are becoming more prevalent.
- **COMPETITIVENESS IN A CHANGING MARKETPLACE:** New strategies and technologies are emerging to meet new challenges, all while achieving a quick ROI.



Eliwell Solutions for Self-Contained Applications

Eliwell Solutions



- **INCREASE PROFITABILITY:** Replace electro-mechanical controls with cost effective electronic performance to maximize efficiency and performance.



- **INCREASE ENERGY EFFICIENCY:** Energy-saving features such as smart defrost, compressor off-cycle fan duty cycling, and environmentally optimized algorithms.



- **SIMPLIFY INTEGRATION:** Compatible with hydrocarbon refrigerants (R290 & R600A) to increase refrigeration efficiency. Upgrade your field service and diagnostic capabilities with our smart device app.

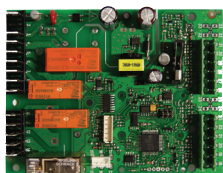


- **REDUCE TIME TO MARKET:** Eliwell offers the best value in the industry, together with Schneider Electric covering the full breadth of solutions at competitive prices.



Modicon M171O

- Fully customized solutions



RTN/KDT

- Semi-customizable modular controller and keypad system

Mid-Temp

Models 961/971



Low-Temp

Model 974



EWPlus EO Smart

- Enhanced energy savings with self-learning requires less set-up and commissioning

EWPlus EO

- EW Plus with enhanced algorithms saving up to 39% over electro-mechanical and 19% over traditional controls

EWPlus

- Versatile cooling and heating applications, display colors, with energy saving features for DOE 2017

nEW

- Cost effective replacement for electro mechanical controls with energy saving features for DOE 2017

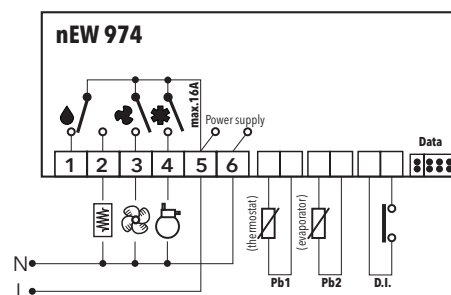
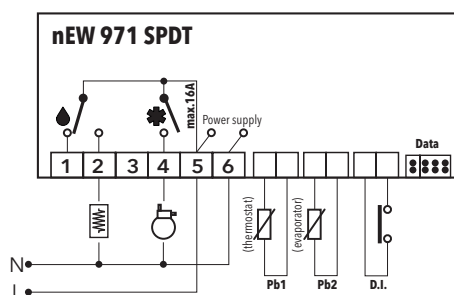
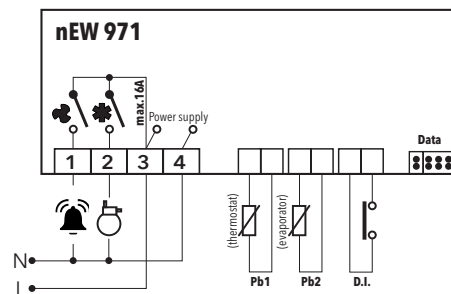
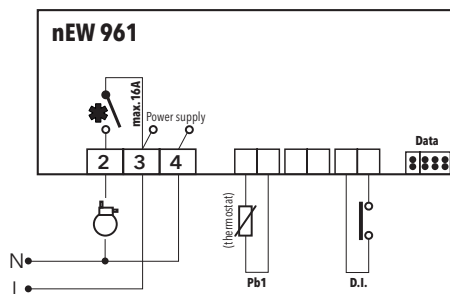
Features

nEW series is the latest generation in electronic controllers for replacement of electro-mechanical controllers, yielding up to 20% energy savings.



Advantages:

- Industry cost leader for electro-mechanical replacements
- Complete management of compressor, lights, defrost, fans and alarms
- Energy savings realized with R290, smart defrost, evaporator fan duty cycle and economy mode
- Moisture protection with integrated front panel gasket and back cover
- Direct control of compressors up to 1 HP
- Customized OEM branding
- Factory friendly connections, programming, and barcodes



EWPlus

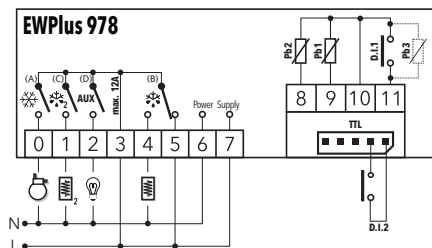
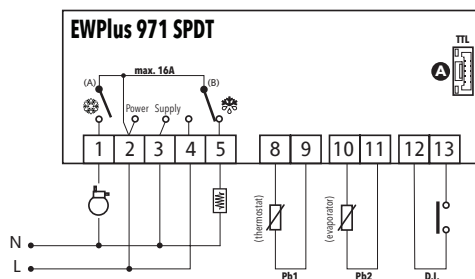
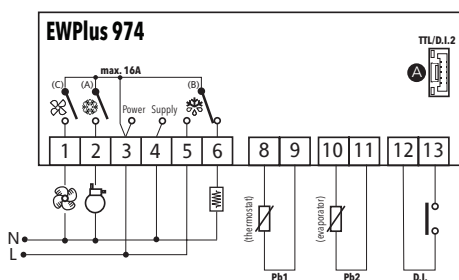
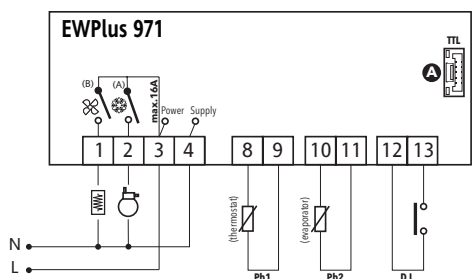
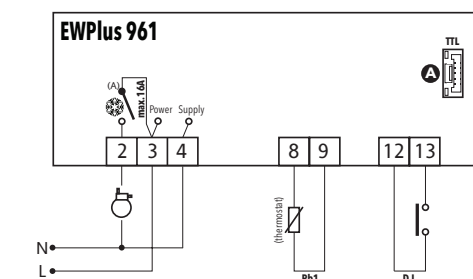
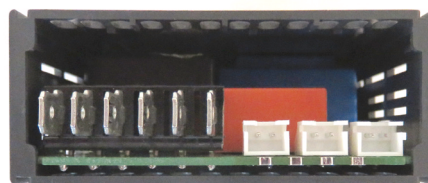
Energy savings up to 20%

Versatile electronic controller utilized over nEW where display colors are more prominent in the application.



Advantages:

- Variety of display colors
- Complete management of compressor, lights, defrost, fans and alarms
- Energy savings realized with R290, smart defrost, evaporative fan duty cycle and economy mode
- Moisture protection with front panel gasket and back cover
- Direct control of compressors up to 1 HP
- Customized OEM branding
- Factory friendly connections, programming, and barcodes

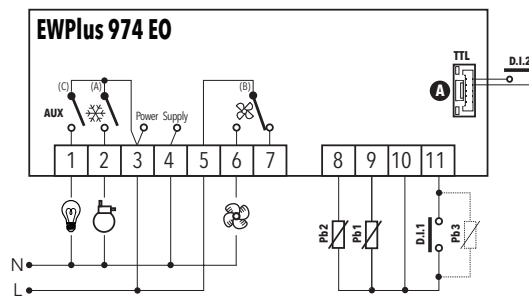
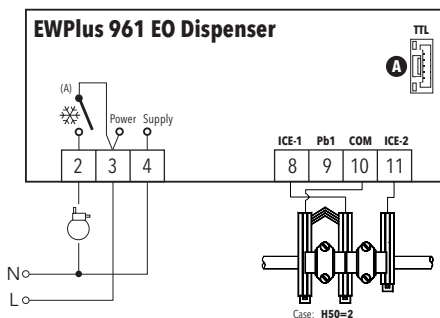


Advanced control algorithms achieve an energy saving of up to 39% over electro-mechanical without any change to the cabinet construction.

EWPlus EO

Advantages:

- Advanced day-night and energy-saving patented algorithms
- Proven up to 20% efficiency gain over standard electronics
- Suitable for use with hydrocarbons
- Eliminate door switch with virtual detection
- Direct control of compressors up to 1 HP
- Front and back panel protected against moisture
- Ice Bank control for dispenser & beer tap applications
- Factory friendly connections, programming, and barcodes
- Modbus SL protocol enabled

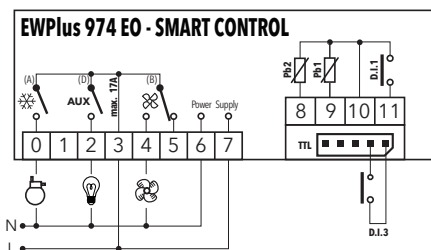


Self-learning algorithms adjust on the fly to store operating hours.

EWPlus EO smart

Advantages:

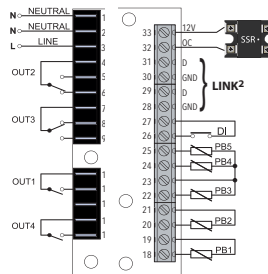
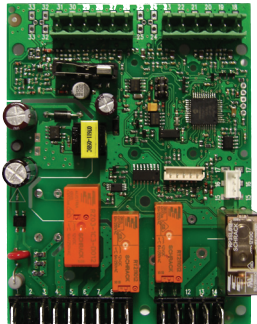
- Advanced day-night and energy-saving patented algorithms, with self-learning adaptation
- Proven up to 25% efficiency gain over standard electronics and up to 10% more efficient than other market available self-learning algorithms
- Optional motion detection
- Suitable for use with hydrocarbons
- Eliminate door switch with virtual detection
- Plug-in style connectors for quick installation



RTN/KDT

RTN controller module can be configured for a multitude of refrigeration applications with advanced control algorithms.

KDT touch keypad module can be customized with layout and graphics.



Advantages:

- Increased flexibility with modular semi-customizable solution
- Environmentally Optimized advanced energy saving algorithms, up to 25% savings over standard electronics
- Real-time clock to activate special energy-saving functions in specific time bands
- Synchronize defrost across multiple units

The **Modicon M1710** optimized controller is a fully customizable PLC dedicated for the refrigeration market.

Modicon M1710



Advantages:

- Industry cost leader in the compact size with 22 I/O
- Flexible and scalable to accommodate all your application needs, up to 44 I/O
- Baseline examples, libraries, and applications available such as: variable speed, PID, and floating high pressure control of compressors and fans
- Application experts ready to assist
- Compact size in panel mount and DIN options
- Modbus SL protocol enabled

Electromechanical and solid state relays.



Zelio Relays

Advantages:

- Your single source for OEM solutions

Life Is On



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For more than 30 years, Eliwell has been offering control systems and services for refrigeration and air conditioning units, both commercial and industrial, with highly innovative and technologically advanced products. Eliwell is part of Schneider Electric.



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