

EW^{PLUS}EO

Versatile, high-performance electronic controllers with new energy saving algorithms for chiller cabinets with integrated compressor



eo | ENVIRONMENTALLY OPTIMISED



COMMERCIAL REFRIGERATION



- Energy saving of up to 39%
- No additional sensor required to achieve outstanding performance
- Compatibility with hydrocarbon applications (R290 and R600)
- Flexibility for all manufacturer requirements:
 - Compressor overtemperature protection
 - Load protection against fluctuations in the power supply
 - Clock for defrosts and energy saving



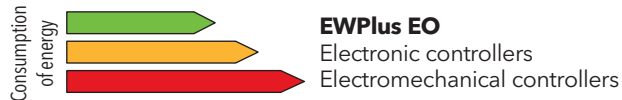


DESCRIPTION

The **EWPlus EO** family stands out due to the high performance and flexibility it offers through energy saving algorithms, compressor control (with power supply voltage control) and (depending on the model) the internal clock.

The main features of the **EWPlus EO** series are:

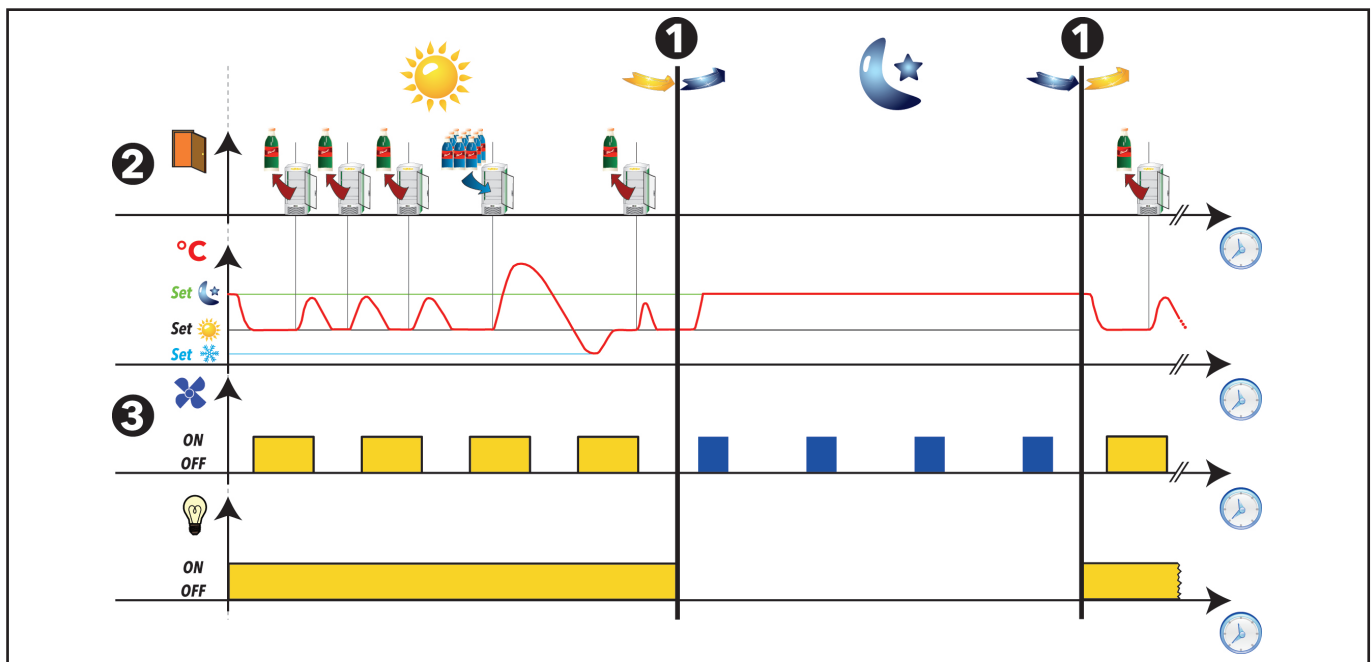
- Energy Saving:
 - specific algorithms for open and closed "Bottle-coolers"
 - saving of up to 39% in comparison with electromechanical controllers
 - saving of up to 19% in comparison with electronic controllers



- Compatibility with hydrocarbon applications (R290 and R600)
- Increased equipment service life and reduction in maintenance:
 - compressor protection in the event of fluctuations in the power supply voltage (LVD function)
 - compressor overheating protection
 - high pressure switch control in CO2 applications
- Simple and flexible installation:
 - 4 configurations can be selected for quick installation
 - virtual door switch sensor
 - direct control of one compressor up to 2 Hp
 - internal RTC (depending on model)
 - versions available with removable/faston/screw connectors for increased wiring speed and flexibility
 - USB UniCard for customising even small batches

TECHNICAL DATA

Dimensions:	front panel 74x32 mm, depth 59 mm
Mounting:	panel mounting (with 71x29 mm drilling template)
Power supply:	230 V~ ±10% 50/60 Hz
Power consumption:	max 4.5 W
Analogue Inputs:	1 NTC (EWPlus 961 EO) or 2 NTC (EWPlus 971/974 EO)
Digital Inputs:	1 digital voltage free input + 1 digital input, configurable on TTL
Digital Outputs:	
EWPlus 961 EO:	1 SPST 2 Hp 12(12)A 250 V~
EWPlus 971 EO:	1 SPDT ½ Hp 8(4)A 250 V~ 1 SPST 2 Hp 12(12)A 250 V~
EWPlus 974 EO:	1 SPDT ½ Hp 8(4)A 250 V~ 1 SPST 2 Hp 12(12)A 250 V~ 1 SPST 5A 250 V~
Display / Icons:	3 digits + sign / 8 coloured icons
Available functions:	LVD (Low Voltage Detector) RTC (Real Time Clock)
Connections:	TTL port for connection to: - Copycard, - USB UniCard - Televis System supervisor
Display range:	NTC: -50.0...110.0°C



1 Automatic day/night control -- 2 Virtual door opening control without sensors -- 3 Separate day/night duty cycle control

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