



## CRN TECNOPART, S.A.

Sant Roc 30  
08340 VILASSAR DE MAR (Barcelona)  
Tel 902 404 748 - 937 591 484 Fax 937 591 547  
e-mail: [crn@crntp.com](mailto:crn@crntp.com) [http:// www.crntp.com](http://www.crntp.com)



# FREE WAY PROGRAMMABLE PLATFORM

**FREE WAY:** Eliwell's new approach to programmability, giving customers the tools to find their own faster and more effective solutions.

**FREE WAY** is the new programmable platform from Eliwell, consisting of the **FREE STUDIO** software suite, **FREE SMART**, **FREE PANEL** and **FREE EVOLUTION**, the new range of programmable controllers available in various formats to choose from.



### FREE SMART

**FREE SMART** helps customers achieve top performance levels with an extremely compact product.

- Expandable with optional modules
- Panel and wall-mounted terminal with on-board temperature and humidity probes
- Can be integrated into Modbus® systems, thanks to the TTL serial connection and integrated on-board RS-485
- 22 I/O in both formats, 3 of which are analogue outputs and 5 analogue inputs
- Available in 32x74 and 4 DIN RAIL formats
- 12-24 V~ or 100-240 V~ power supply

### FREE PANEL

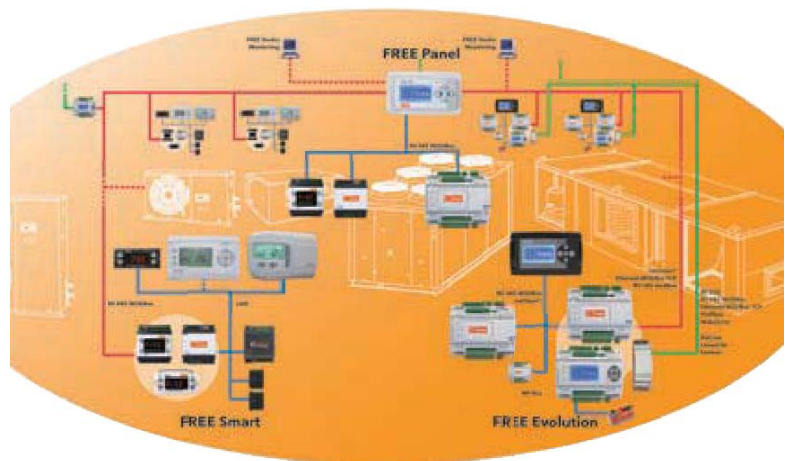
**FREE PANEL** is a single device comprising a programmable user terminal with graphics and a controller with advanced connectivity, for remote resource and distributed control management.

- Programmable controller with calculation power and memory equalling that of Evolution
- User interface can be programmed as "network menu"
- Can be panel or wall-mounted
- Expandable with optional modules
- Integrated on-board RS-485, CAN, Ethernet
- Can be integrated into Modbus® RTU and TCP, CANopen® systems
- 3 analogue inputs, available with on-board temperature and humidity probes

### FREE EVOLUTION

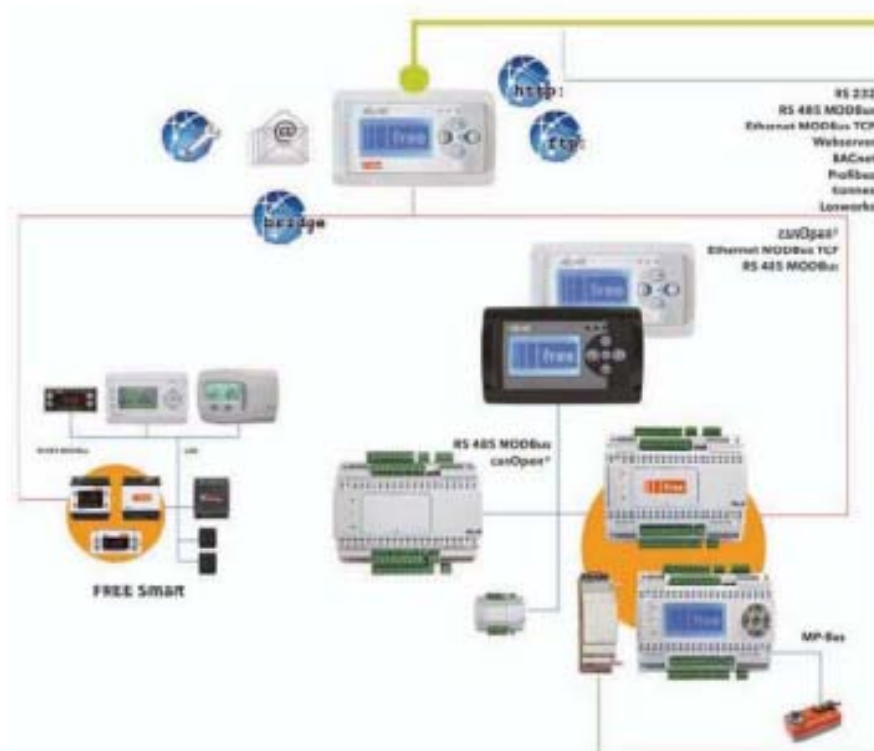
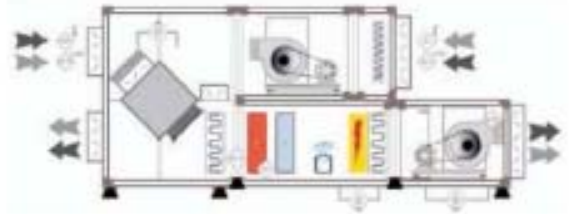
**FREE Evolution** is a top-of-the-range programmable controller. It is designed to meet the needs of more complex applications in the HVAC/R market.

- Available in 8 DIN RAIL format
- Expandable up to 12 optional modules
- Built-in or remote (EVK1000) user terminal with graphics
- SMS function through Modem
- Can be integrated into industrial systems (Modbus®, CANopen® and Profibus®)
- Can be integrated into Ethernet networks (TCP/IP)
- Available with standard USB ports (Host and Device)
- 27 inputs and outputs, including 5 analogue outputs and 6 analogue inputs



## SAMPLE APPLICATIONS FREE PLATFORM DEVELOPE

- »Integration of refrigeration, machine rooms, services and ancillary mane
- »Condensation floating
- »Integration of air conditioning facilities.
- »Integration of hydronic air conditioning systems
- »Integration of air conditioning mixed air / water
- »Dryers
- »Balanced circuits, pumps, compressors.
- »Control of heat recovery (EC fans, variable frequency, temperature, CO<sub>2</sub>)
- »Advanced Fancoils
- »UTAS, air conditioners
- »Humidifiers, dehumidifiers
- »Free cooling heat - enthalpy.
- »Roof Tops
- »Chillers
- »Auxiliary maneuvers
- »Home Automation
- »Monitoring and control systems record energy consumption
- »Compressed air for pneumatic networks



### Main WEB functions

- \* Web-based access.
- \* Remote reading and support.
- \* Local and remote system control, including alarm management.
- \* Preventive and predictive maintenance.
- \* Email alarm alerts.
- \* Latest-generation system interface on PC, tablet and smartphone





This screenshot shows two tables of data, likely representing system parameters or sensor readings. The tables are organized into two columns, each with a title and a table of values.

Parameters Page 1 of 2			Parameters Page 2 of 2		
Parameter	Unit	Value	Parameter	Unit	Value
Pressure	bar	1.0	Pressure	bar	1.0
Flow	l/min	10	Flow	l/min	10
Temp	°C	20.0	Temp	°C	20.0
Motor Speed	rpm	1500	Motor Speed	rpm	1500
Motor Load	%	75	Motor Load	%	75
Motor Status	On/Off	On	Motor Status	On/Off	On
Motor Error	On/Off	Off	Motor Error	On/Off	Off

