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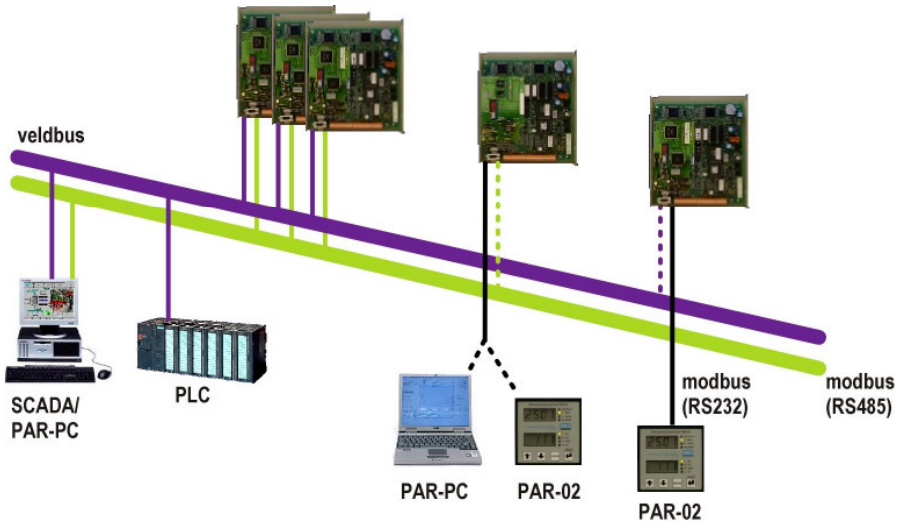
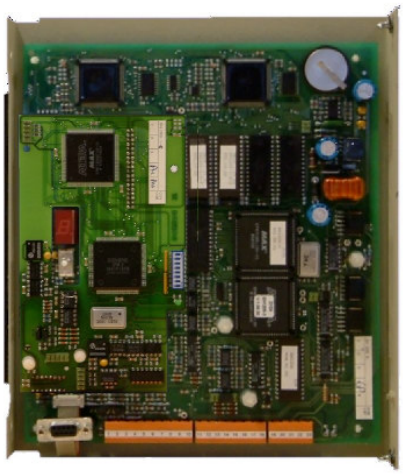
Eekels Frequency converters Control unit





Characteristics of the Control unit:

- Two 32 bits microprocessors
- Eekels Vector Modulation (100 MHz logic)
- Quick response time (1ms)
- Frequency range 0,01 to 200,00 Hz
- Catch a spinning motor
- Programmable in- and outputs
- Integrated setpoint PID
- Optional fieldbus interface (like Profibus-DP)
- Programming through Modbus
- Universal control unit (5,5 t/m 1200 kW)
- Dynamic control
- Master Slave control for mechanical coupled drives
- Hard- and software options (like dry running)

The Eekels Vector Controlsystem -EVC- results in an optimised drive solution for a variety of apparatus with different load characteristics.
Without speed-feedback it is already possible to achieve a speed accuracy of 0,1%.
With speed-feedback a accuracy of 0,01% of the actual speed can be achieved.

Open communication.
The control unit can communicate with each automation system via standardised fieldbus connections.
With this the user can control and monitor all drives from a central place.
Profibus-DP, and Modbus are available for direct coupling to PLC- and SCADA-systems.

Product range drive technology:

- Frequency converters up to 1,2 MW/690V/12P
- Bi-directional supply units and choppers
- SR-speed control (0,01%)
- Soft starters
- Motors

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We deliver according to the EN directives and are ISO9001 certified.

ASEN90
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Data subject to change

Technical specifications

EVE . . .	Control unit		
application	EVE 400/009M through EVE 400/1140M (EVE 400/050MT through EVE 400/325MT)		
max. (motor)output	5,5 kW through 1,2 MW		
manufacturer	EEKELS ELEKTROTECHNIEK B.V.		
inputs	3 x analog (programmable)	5 x digital (3 x programmable)	
outputs	3 x analog (programmable)	3 x relay (2 x programmable)	
communication	MODBUS-RTU RS 232		
programming/monitoring	• PAR-02	• PAR-PC Windows	
software	• PAR-PC Window (standard)	• registration software (optional)	
software modules (optional)	• dry running protection • master/slave control • torque control	• winder control • bridge control • crane control	• motor sound control • motor stall protection • 400 Hz output frequency
hardware modules (optional)	• 3 x 0(4)-20mA outputs • RS485 instead of RS232 • profibus DP	• extra RS232/485 port