STAND-ALONE MONITORING AND CONTROL DEVICE FOR EC FANS OF DIFFERENT BRANDS AT DIFFERENT APPLICATIONS

uniqunet

INFORMATION ABOUT UNIQUNET

- Stand-alone Control device for EC Fans with RS485 interfaces
- Clear and simple menu guide
- English and German
- amber lighted full graphic display

customized OEM-Variation for different BUS-systems and front design

- IP65 wall-mounted
- IP20 counter-sunk
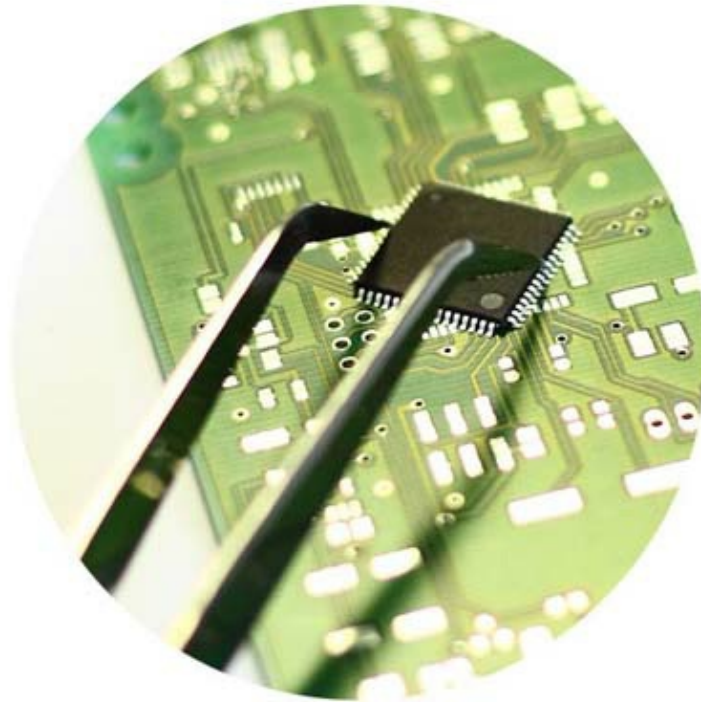- both with identical functionality

IP65 WALL-MOUNTED

IP20 COUNTER-SUNK
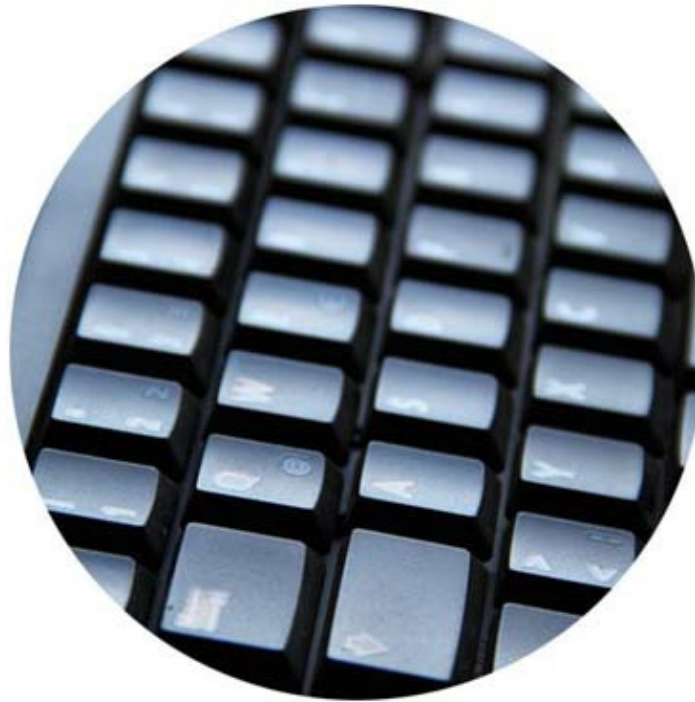
TECHNICAL INFORMATION

HARDWARE

HARDWARE

- 24VDC - 100mA
- easy access push encoder (IGR)
- real time clock
- bus interface RS485 – 2 separate lines

HARDWARE

- 3 Digital Inputs (1x Day-/Nightmodus, 2x enable controller)
- 2 Digital Outputs (errors, unconfirmed errors)
- 2 Analogue Inputs (2 lines as sensor-input for closed loop operation or/ external speed settings)
- USB data link

TECHNICAL INFORMATION

SOFTWARE

SOFTWARE

Communication driver for several BUS-systems

- ebmpapst - ebmBUS, Modbus-RTU
- Nicotra Gebhardt - GBus, ModbusRTU
- Ziehl Abegg - Modbus-RTU
- OEM RS485 based

SOFTWARE

- „Scan Net" Function for all systems
- Single Control for an individual operation
- Group Control for all connected devices
- Group building for speed control of up to 20 definable groups

SOFTWARE

- Closed loop control operation with 2 definable control groups, internal PI-structure for pressure, volume, velocity, temperature ... control
- Error output as LED as well as 2 DOs control (low-/highactive programmable)
- 3 access level (Monitor / Operator / Administrator)
- Scheduler for automatic day/night shift

APPLICATION FOR UNIQUNET

The uniqunet is designed for monitoring and control of several devices with RS485 interfaces. This can be all applications of different EC-fans (Filter-Fan-Units, heat exchangers, ...) but other control and diagnostic devices as well.

FAN FILTER UNITS

Cleanroomside

HEAT EXCHANGERS WITH FANS FROM EBMPAPST

ABOUT US

OUR SERVICES

We are a young company from Germany and see us as a technology provider with an own growing product portfolio.

DEVELOPMENT

COMPLETE- AND ADD-ON SOLUTIONS

- Customized diagnostic- and control devices
- Electric drives for special applications (AC, EC)
- Controller incl. com-interfaces (analogue, Modbus …)

… from basic idea to prototype

SERVICE

AUTOMATION

- Design and commissioning support
- Project programming, data handling
- SPS Programming (Siemens, Eaton)

SERVICE

SUPPORT FOR FFU-PLANTS

- Project extensions
- Com-validation on-site
- Modbus, GBUS, ebmBUS, LONWORKS®

SERVICE

SYSTEM DIAGNOSTIC

- vibration analysis
- transient observing

PROGRAMMING

APPLICATIONS

- .net
- Javascript Frameworks
- Data bases (MySQL, MS-Access)

PROGRAMMING

WEBDESIGN

- HTML / CSS / PHP
- Responsive Design from Smartphone to HD-Monitor

PROGRAMMING

WORDPRESS

- Wordpress Themedesign and adaption

CONTACT

STAY IN CONTACT WITH US

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