

# Speed and Process Control

for ebm-papst GreenTech® EC Fans

# ebmpapst

The engineer's choice

## Speed and process control for ebm-papst GreenTech® EC Fans

Increasingly more challenging controls tasks lead us to engage with 3rd party controllers. These enable the entire controls opportunities for continuously variable speed GreenTech® EC fans. Participating external vendors provide both their control products and control expertise for interfacing with MODBUS-equipped GreenTech® EC fans.

approved controller  
for  
ebmpapst products

Communicating with ebm-papst fans has become easier with the growing list of approved third party controllers. MODBUS enabled GreenTech® EC Fans provide convenient commissioning, remote control, and diagnostics:

- Process parameter values
- Fan speed
- Motor power consumption
- Internal motor temperatures
- Accumulated run hours
- Motor alarm status
- Emergency operation mode

Eliminate daisy chaining analog control signals that result in complicated wiring diagrams. Direct digital control DDC lets you fine tune your air movement precisely with each fan individually or with groups of fans. Now easier than ever before.

## Compatible MODBUS fans

GreenTech® EC fans with MODBUS interfaces communicate perfectly with the described controllers. Please inquire for recent additions and refer to control vendor product specifications.



HyBlade® Axial Fans



RadiPac



Premix Gas Blower



## "Approved controller" products are available for GreenTech® EC fans from the following manufacturers:



### CAREL

The CAREL solution is based on programmable controllers (pCO sistema) using the 1 tool© development environment.



### DEOS: COSMOS OPEN Controller

Direct serial data bus communication between DEOS and ebm-papst fans.



### Eliwell: FREE Way programmable platform

Eliwell's FREE Way programmable platform compliant with industrial standard IEC 61131-3 combines speed and reliability in a complete range of compact, high-performing products.



### Emerson Climate Technologies Retail Solutions: E2 Facility Management System

The E2 Facility Management System is the foundation of any retailer's energy and maintenance reduction strategy. The E2 is designed to provide complete control of building and refrigeration systems including: compressor groups, condensers, walk-ins, HVAC units and lighting.



### LS Control: LS Control has registered the trademark EC Control®

All products carrying the EC Control mark are specially designed for EC motors. Our Multicontrollers carry the EC Control mark, and they are specially developed for demand controlled ventilation of individual rooms. The Multicontroller is a versatile, programmable and user friendly unit.



### Saia-Burgess: Web, IT and all established market standards

Saia® PCD devices include all the established communications standards, but also comprehensive, open and internationally accepted web and IT functions at the same time. GreenTech® EC fans by ebm-papst can be integrated easily by using MODBUS-RTU communications.



### SELPRO

SELPRO EC-Manager



### Siemens

Siemens Climatic OEM controls driver for GreenTech® EC motors made by ebm-papst. Climatix™ offers a comprehensive range of flexible and scalable control solutions - from standard to freely programmable.



### WAGO: Scalable control technology

The requirements for an automation solution varies greatly with the type of machine, system or equipment that must be automated. The number of inputs and outputs and the required speed are the main parameters. Ultimately, the interfaces and fieldbus systems used also play an important role. The controllers of the WAGO-I/O-SYSTEM are modular and independent of the fieldbus. With an extensive portfolio of I/O modules, they always offer the right solution.



### vbk Technology

vbk's handheld uniuqom permits controlling and parameterizing ebm-papst EC-fans with RS485 interfaces (ebmBus MODBUS).



### VIPA: Automation solutions and control engineering

Comprehensive system solutions for all control requirements.

For more information please visit: [http://www.ebmpapst.us/en/products/product\\_news/approved\\_controller/approvedcontroller\\_1.html](http://www.ebmpapst.us/en/products/product_news/approved_controller/approvedcontroller_1.html)