



Available in

5 A

10 A

24 A

48 A

72 A

VdS

tested electrical control
device EMB 8000
with recognition number
G 512005

EMB 8000 (DIGITAL MODULE CONTROL UNIT)

- To fit perfectly
 - Cable entry from top / bottom
 - Plug-in terminals for simplified connection
 - Housing door removable for better accessibility
 - Cost saving because of quick and easy installation
- Configuration with user-friendly software
 - Configuration can be created without the center
 - A configuration created can be imported into any number of centers
 - saves time during installation on site
- Connection to a BMS via CAN and KNX
 - Integration of the centers in a BMS possible
 - Distributed SHEV and ventilation systems possible
- Currents of 5A to 72A available as standard
- Certification
 - According VdS guidelines for natural smoke extraction systems
 - According EN 12101-10
- Highest functionality without additional modules through the „EMB 8000“ software

PRODUCT FEATURES EMB 8000

■	Modular control panel with digital bus technology and power supply for 24 V DC drives for use in smoke and heat exhausting ventilation (SHEV) and in controlled natural ventilation systems
■	Control panel compliant with prEN 12101-9
■	Power supply compliant with EN 12101-10
■	Low residual ripple output voltage (< 2 Vpp) - compatible with all common drives
■	Easy and space saving installation on 35-mm snap-on mounting rail with many combination options
■	Easy configuration of SHEV and ventilation groups by selective lining up of the modules
■	Control- and Sensor-Module with 3 monitored detector lines with different priorities for connecting with: <ul style="list-style-type: none"> ■ Manual break-glass unit (HSE) ■ Automatic smoke and heat detectors ■ Control signal from fire alarm system (FAS)
■	Drive-Module with monitored line outputs for connection of drives up to 20 A
■	Relay-Module for the evaluation and transmission of events (emergency open signal, fault signal, feedback signals)
■	Weather-Module for connection with wind speed sensors, wind direction sensors and rain sensors
■	Network-Modules for connection and integration with building management systems (CAN, KNX)
■	All ventilation button inputs with OPEN-STOP-CLOSE function and adjustable priorities
■	Clear operating and display elements
■	Extensive settings of the basic functions via software offered by download free of charge
■	Special functions programmable via extra costs software license as in the following: <ul style="list-style-type: none"> ■ Service and maintenance intervals ■ Changes of priorities, switching-thresholds and switch-off times ■ Deactivation of the detector lines or of their monitoring ■ Control of the alarm functions by a volt-free contact of the fire alarm system (FAS) ■ Network integration
■	Steel sheet housing, protection class IP40 / IP54 alternatively available with wall fixing brackets, cable exit from above
■	Prepared for connection of backup batteries (72 hours)
■	VdS certification no.: G 512005
■	In the state of delivery, the interconnection of SHEV and ventilation groups can be configured <ul style="list-style-type: none"> - by targeted lining up of the modules - without software.
■	System components for individual assembly consisting of functional basic control units each with one SHEV and one ventilation group, as well as a variety of modules and components that can be ordered either as factory-installed or for customer-side yourself installation.
■	Software licences for enabling and configuration of complex integrated special functions as well as for the interconnection of multiple control units to a network with higher-ranking functions for SHEV, ventilation and weather groups

SOFTWARE FUNCTIONS		
Functions	Standard	License
Load configuration / Safe / Safe as	✓	✓
Print settings / Print / Create PDF	✓	✓
Set Password for control unit	--	✓
System configuration / Load settings / Save settings	✓	✓
Read RealTime LOG-Data	✓	✓
Edit RealTime LOG-Data	✓	✓
Firmware update	✓	✓
Show system-status / Save / Print	✓	✓
Get thresholds and on-off delay of wind sensor	✓	✓
Set thresholds and on-off delay of wind sensor	--	✓
Set thresholds of wind direction sensor	--	✓
System time synchronisation / updating	--	✓
Backup battery monitoring: Performance and fault indications (active, windows OPEN / CLOSE)	--	✓
Set backup battery type and charging characteristics (temperature dependent / constant)	--	✓
Power supply loss: Performance and fault indication (Energy saving mode, CLOSE, ventilation mode)	--	✓
Ventilation push button in dead-man or jog-switch mode (OPEN or/and CLOSE direction)	--	✓
Ventilation push button as one rocker push-button (OPEN/STOP or CLOSE/STOP with one button)	--	✓
Set step-automatic in OPEN-direction (Automatic enabled / Time setting)	--	✓
Enable reset of smoke detector lines with emergency-CLOSE button	--	✓
Enable control of smoke detector line by fire alarm system „FAS“	--	✓
Disable alarms caused by detector line monitoring failures (Automatic and manual detectors)	--	✓
Disable fault detection of detector lines (Automatic and manual detectors)	--	✓
Set functions of PM, CM and SM relay contact	--	✓
Set service and maintenance interval and system behaviour	--	✓
Set drive line mode for use with motors, magnets or gas pressure generators	--	✓
Disable retriggering of drive line in alarm mode	--	✓
Set switch-off time of drive lines	--	✓
Enable and set automatic time-controlled drive line closing mode for ventilation purpose	--	✓
Enable drive closing mode on primary power loss	--	✓
Set drive run time and opening stroke limit for ventilation purpose	--	✓
Set failures of drive line monitoring as alarm signal	--	✓
Set drive running direction in alarm mode from open to close	--	✓
Set signal input of DM drive line (feedback input / inhibiting input)	--	✓
Set wind direction dependent OPENING / CLOSING of drive lines	--	✓
Reset switch positions to the status before the weather control were activated	--	✓
Set emergency close button from jog-switch mode to dead-man mode	--	✓
Set functions of RM6 relays	--	✓
Set assignment of detector and drive lines to SHEV, ventilation and weather groups	--	✓
Interconnection of several control units to a network with higher-ranking functions	--	✓
Integration into digital networks with additional plug-in interface modules (CAN, KNX)	--	✓

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