



SMOKE AND HEAT
EXHAUST

NO SOONER THOUGHT THAN DONE

As flexible as my thoughts



M-SHEV® – the intelligent control panel for SHE

BUILT-IN INTELLIGENCE

7 good reasons for M-SHEV®

+ digitally multifunctional

thousands of possible combinations
of inputs and outputs – programmed by mouse click

+ compact and clear

state-of-the-art technology in a flat design
with connecting comfort for the fitter

+ intuitively operable

based on the well-known 'Simon Link®'
software further developed for M-SHEV®

+ extendable

simply adaptable with regard
to both size and logic

+ remote maintenance option

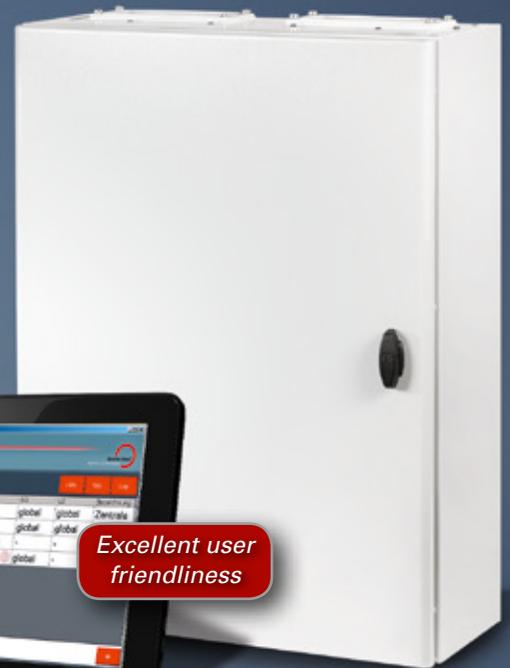
convenient querying of the system status
by internet access or GPRS module

+ energy-saving

through effective
standby management

+ guaranteed safety

developed and created in Bavaria
by Simon RWA® according to the
respectively current directives.



*Excellent user
friendliness*

NEW
digital

M-SHEV® – the intelligent control panel for SHE

SAFETY AND FLEXIBILITY ALL IN ONE

M-SHEV® is the new digital control panel for smoke ventilation. Logic linking now takes place digitally instead of analogue as before. The heart of the control panel is a microcontroller that connects all the modules together via a digital BUS.

M-SHEV® possesses its own intelligence.

The controller precisely monitors safety-relevant inputs via sensors such as manual triggering buttons, smoke detectors or fire alarms in order to subsequently execute the necessary commands.

M-SHEV® thereby remains totally flexible. It offers a multitude of setting options and operations can be linked to one another as desired.



Compact and clear for greater efficiency

No sooner thought than done. Due to its sophisticated exterior and its inner values, M-SHEV® makes this wish come true.

The new digital SHE control unit represents state-of-the-art technology in a simply structured form. The M-SHEV® modules in a uniform size are accommodated in a compact plastic housing that protects them against damage. They are placed on DIN rails and have a flat design. This clear structure with easily accessible terminals guarantees outstanding connection convenience for the fitter.

The integrated digital BUS system enables central modules with many connections to be placed at the top close to the cable entries and subordinated modules further below. This way everything proceeds in an orderly fashion.



The main advantage of M-SHEV® is its intuitive operability.

The 'Simon Link®' user interface, which was developed by Simon RWA® especially for this purpose and is based on the Windows® operating system, stands for self-explanatory use without a lengthy training process. Plug'n'Play is the magic word: a **setting can be changed in next to no time** as soon as the Tablet is running.

A further plus: M-SHEV® is extraordinarily simple to install. The more digital a controller becomes, the less an electrician has to change or adapt via analogue wiring, because all setting options in the M-SHEV® are transferred directly into the software. Therefore it is particularly important to have a self-explanatory structure that entails as little work as possible for the fitter.

M-SHEV® contains state-of-the-art technology. There are a virtually **endless number of possible combinations** of logical links between smoke and ventilation signals.



Project manager and software developer **Dr. Ondrej Havel** programmed the innovative, user-friendly software in the SHEV controller

SIMPLY PROGRESSIVE

Users and electricians benefit

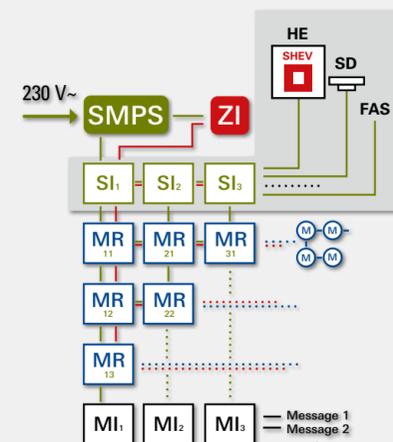
Users
Flexibility at all function levels – quick and simple to parameterise



Learn more about the simple modification of M-SHEV® on www.m-shev.com

M-SHEV®

Functional principle



The **switch-mode power supply (SMPS)** transforms the 230 V from the mains supply into a stabilised and 'clean' 24 V supply. The **central interface (ZI)** is the control centre of M-SHEV®. It is the heart of the centre; it functions as a kind of motherboard and coordinates the allocation of smoke and daily ventilation groups.

The peripheral devices for triggering the SHEV are connected to the **sensor interface (SI)**. These include the **emergency switch (HE)**, the **smoke detectors (SD)** and the existing building **fire alarm system (FAS)**. One SI is required for each alarm group. The **motor relay (MR)** is the output module with which the connected motors are supplied with power and controlled. Any number of motor relays can be assigned to an SI. All desired information, e.g. 'wind/rain sensor active' or 'SHE triggered' can be retrieved via the **message interface (MI)**.

Future-proof without limitations

Extendable as desired and with remote maintenance option

M-SHEV® is an investment in the future. State-of-the-art technology, which can be **programmed in a wide variety of ways by microprocessor controller**, meets an intuitively operable user interface. A solid basis of **digital BUS structure and extension options** means there will be no limits in future either. Modules can be added at any time to extend the system in terms of both size and logic.

The remote maintenance option offers two advantages: On the one hand 24/7 monitoring by the maintenance staff. The status of the system is queried by Internet access or via GPRS module. This includes the statuses of the actuators, error messages, alarm triggerings, mains failures etc. On the other hand there is a possibility to remotely adjust the control panel – from anywhere in the world. Access to the parameter level is additionally feasible in a premium version of Simon Link®.

Electricians and project managers
Saving of time through flat design and remote maintenance option



TRUST IN EXPERIENCE

Simon RWA: the pioneer of the electric SHEV

SIMON RWA® Systeme has been providing for safety all over the world for over 40 years. This task requires reliability, quality and flexibility.

The constant development of revolutionary ideas and extraordinary solutions in the field of preventive fire protection make us the pioneer in our industry. Our many years of experience guarantee lasting safety: We have profound know-how and close contact with authorities, fire brigades and external inspection authorities. We constantly improve our skills and further our own development – and we are enthusiastic about what we do. All of this secures product and service quality at the highest level – as it has done for more than four decades already.

As a founding member of the SHEV professional circle in the German Central Association of the Electrical Engineering and Electronics Industry (ZVEI) and as a member of the DIN standards committee and several European standards committees, we are involved as leaders in the development of trendsetting fire-protection technology. With a broad and innovative range of products we are always 'state of the art' for our customers and a competent and reliable partner.



SMOKE AND HEAT
EXHAUST



NATURAL
VENTILATION



SMOKE AND FIRE
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