

DRIVES AND CONTROLS

FOR NATURAL VENTILATION AND SMOKE AND HEAT EXTRACTION



Smoke Management
Systems



Natural Ventilation



Building Automation

LINEAR DRIVES

FOR NATURAL VENTILATION AND SMOKE AND HEAT EXTRACTION

24 V DC AND 230 V AC

Our 24 V DC linear drives for SHEV and daily ventilation are particularly powerful drive systems fitted with a push spindle to open and close larger sashes, flaps and skylight domes.

Drives are available for the widest range of window types and sizes, with up to 2000 N power and opening widths up to 1000 mm. An additional synchronous module ensures the exact synchronisation of linear drives on a single window.

Our 230 V AC drives are available up to 1000 N and with opening widths up to 750 mm.

OUR SMOKE EXTRACTION AND VENTILATION PORTFOLIO

M2 with 24 V
500 N or 1000 N



M6 with 24 V
500 N or 1000 N



M7 with 24 V
500 N or 1000 N



M9 with 24 V
650 N, 1000 or 1500 N



M1 with 24 V
1000, 1500 or 2000 N



Mxs with 24 V
300 N



COMING
SOON!

EXTRA SMALL
ONLY 20 mm DIAMETER

OUR NATURAL VENTILATION PORTFOLIO

M3 with 230 V
500 N or 1000 N



CHAIN DRIVES

FOR NATURAL VENTILATION AND SMOKE AND HEAT EXTRACTION

24 V DC AND 230 V AC

Our 24 V DC chain drives for SHEV and daily ventilation can be concealed in a window profile or mounted on it, depending on their size and power.

Drives are available for the widest range of window types and sizes, with up to 700 N power per drive and opening widths up to 800 mm.

Chain drives fitted with EasyDrive technology can, moreover, be configured with the appropriate software. Our 230 V AC chain drives for daily ventilation are available up to 600 N and with opening widths up to 800 mm. In the case of wide casements or to increase actuating force, two drives or more can be mounted in tandem on one window.

OUR SMOKE EXTRACTION AND VENTILATION PORTFOLIO

LM
with 24 V
200 N



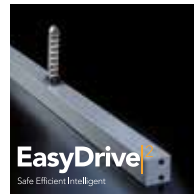
CDi
with 24 V
200 N



CDs
with 24 V
300 N



EM
with 24 V
300 N



FM 309-401
with 24 V
450 N



CM
with 24 V
600 N



CM Twin
Compact with
24 V, 1200 N



FM 501-800
with 24 V
700 N



FM 501-800
Tandem with
24 V, 700 N



CDxs with
24 V
200 N



OUR NATURAL VENTILATION PORTFOLIO

LM AC with
230 V or 24 V
200 N



LM Tandem AC
with 230 V
300 N



EM AC
with 230 V
300 N



EM Tandem AC
with 230 V
2 x 300 N



CM AirDrive
230 V or 24 V
600 N



FM 309-401 AC
230 V
450 N



LOCKING MOTORS

FOR MOTOR OPERATION OF WINDOW FITTINGS

LOCKING AND UNLOCKING OF WINDOWS VIA THE FITTING

Apart from the appropriate holding power of the drives (at one or more lock points), larger windows often require an additional locking drive to ensure compliance with the performance classes defined in EN 14351-1 – particularly with regard to wind loads, resistance to heavy rain and airtightness.

Our locking motors and additional locking systems are suitable for all requirements where windows actuated by chain or linear drives must be equipped with additional locking points.

LOCKING MOTORS

RM mini
600 N



RM
800 N



RM L
1200 N



ADDITIONAL LOCK

ZUV2
500 N



CONTROL PANELS

FOR SHE AND VENTILATION

CONTROLS 24 V AS WELL AS VENTILATION CONTROL PANELS 24 V AND 230 V

Our SHE systems keep smoke levels reliably low on escape routes, enable fast and safe evacuation in the event of fire, and thus help the fire brigade to fight the fire. At the same time, they can be used to protect production and manufacturing equipment, and warehouse goods.

The SHE systems are, moreover, suitable for natural aeration and ventilation and can be integrated seamlessly and efficiently in building management systems.

Activated by vent switches and sensors, our wind/rain control panels can manually and/or automatically open and close electromotive windows, roof flaps and skylight domes in all sorts of buildings for ventilation purposes.

CONTROL PANELS 24 V

Staircase control panel
TRZ Plus 2A



TRZ Plus Comfort
2 A



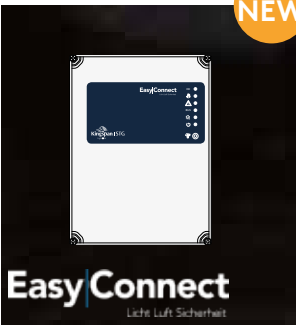
Compact Control Panel
2A



Compact Control Panel
with 4 A or 8 A



EasyConnect
20 A



MZ3 BASIC
16 A, 24 A, 32 A and 48 A



MZ3
up to 192 A



VENTILATION CONTROL PANELS 24 V AND 230 V

iVent/2 8A
24 V



Wind and Rain
Detection Panel WRZ



REMOTE MONITORING SYSTEM NEW

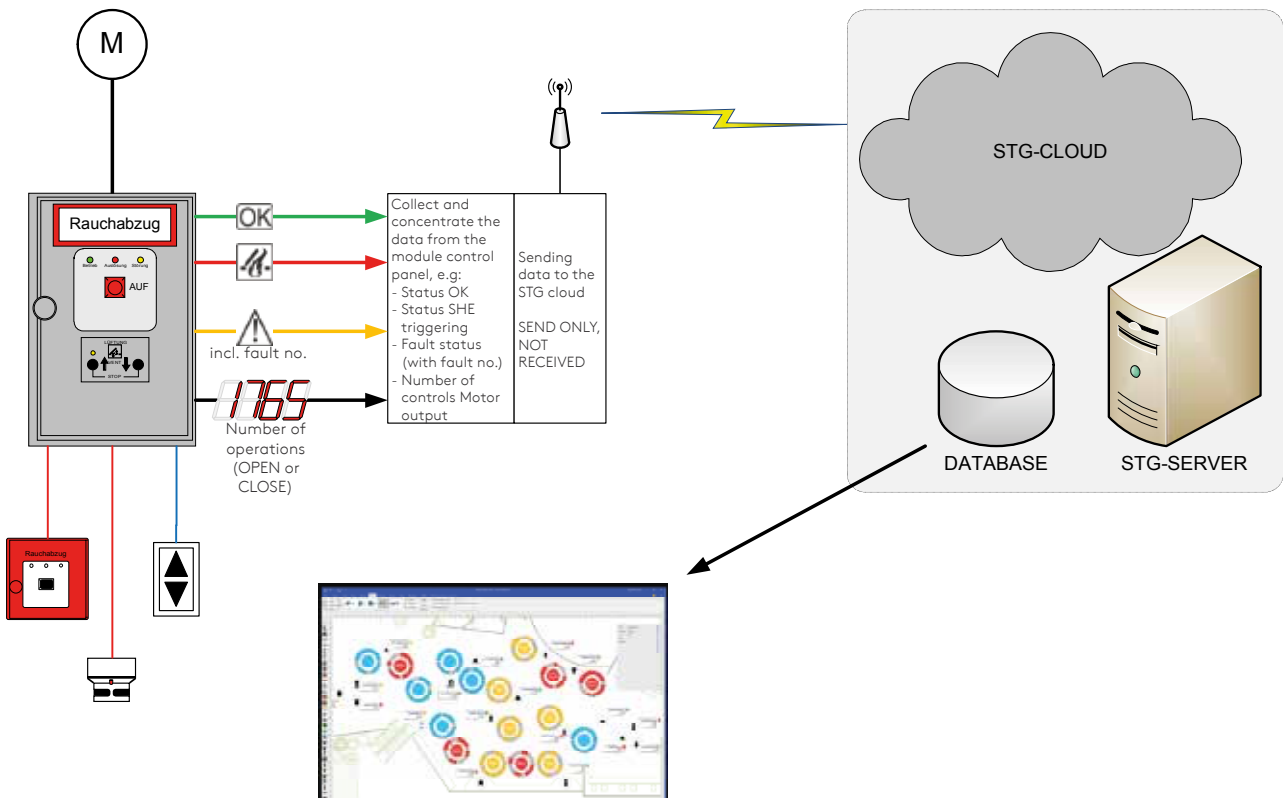
SERVICE SUPPORT FOR SHEV AND SPS SYSTEMS

DIGITAL SERVICE FOR SAFE OPERATION OF SHEV AND SPS

Fire protection in buildings plays an important role. In most larger buildings you will find SHEV systems. Many of these are smaller systems housed in stairwells. For the operators of these buildings, e.g. housing associations, the monitoring and maintenance of these systems is associated with considerable personnel expenditure, since the employees must regularly inform themselves about the condition of the security systems in the buildings, some of which are distributed throughout the city. At present, this is usually only possible through personal control and costs considerable travel time and personnel expenditure.

Our Remote Monitoring System records the relevant status and geodata of all SHEV control panels located in the various buildings and transmits them wirelessly to a secure, central location. Here the data is evaluated, processed and made available to the user on a dashboard.

The interface will give an overview of the condition of the smoke and heat extraction system, anytime, anywhere. This will ensure that a quick response is possible to the status of the system.



Customer Dashboard

- Localization of the central location
- Status information of the control center
- Alarm in case of triggering or malfunction
- Statistical evaluations

CONTROL PANELS FOR SMOKE PRESSURE SYSTEMS (SPS)

MODULAR SPS SOLUTIONS

Safety is a key requirement for buildings. Compromise is not an option when human lives are at stake. Smoke pressure systems (SPS) keep escape and evacuation routes reliably free of smoke in an emergency.

We are a full-service provider in this market segment, offering solutions ranging from standardised small projects to complex major projects. Thanks to BUS technology, our SPS enable the installation of decentrally controlled networks and are therefore particularly suited to large and tall buildings with long cable routes.

OUR SYSTEM COMPONENTS

Flashing light BL



Electronic alarm AG-026



Manual SPS call point RBH/3A/RDA



Photo optical smoke detector



Smoke detector in duct



Differential pressure transmitter



Overflow flap



Fire damper



Axial medium pressure fan



Precision control flap



Smoke extraction flap

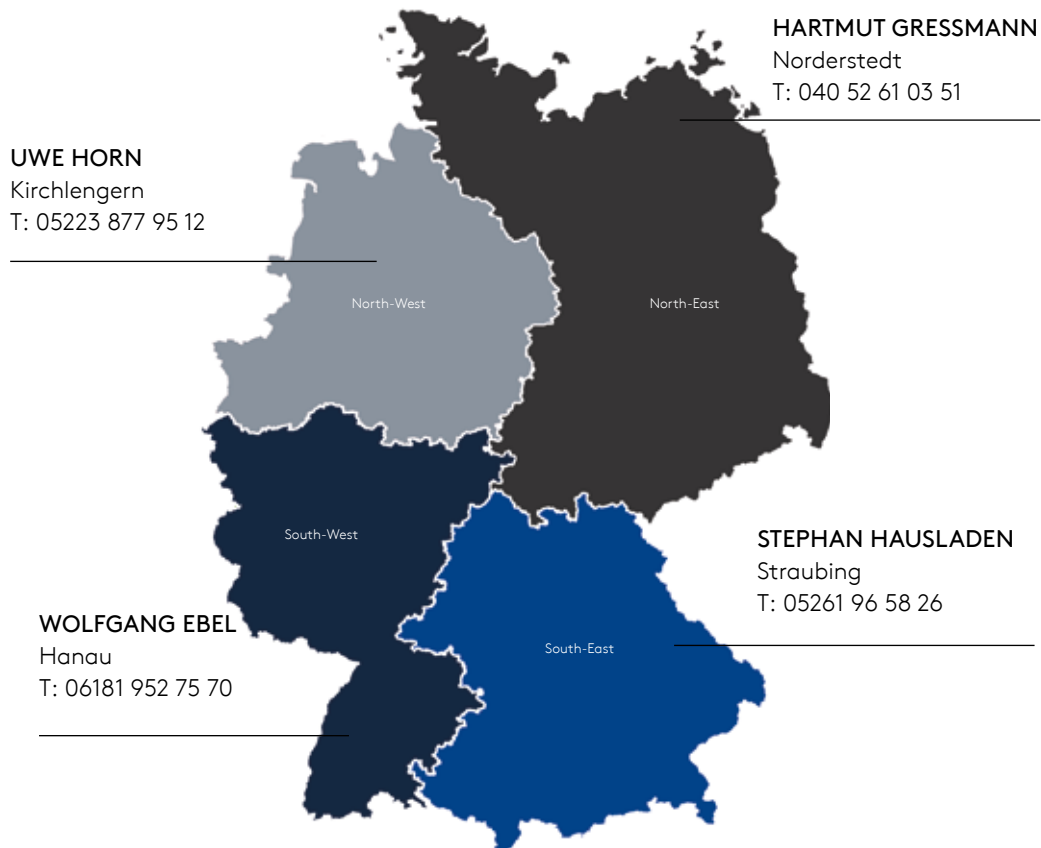


SPS control unit



WHO TO CONTACT IN GERMANY

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