



## SMOKE REMOVAL IN STAIRCASES

for smoke outlet and daily ventilation

### PRODUCT

- ▶ Electrical staircase system for smoke removal and daily ventilation consisting of:
  - control centre TRZ Plus Comfort
  - two RWA operating panels RBH 3/A
  - RWA linear drive M2 alternative
  - RWA chain drive FM
- ▶ The staircase system is combinable with:
  - light domes
  - top hung windows
  - roof windows / skylights
  - bottom hung windows
- ▶ Control and activation of smoke extraction acc. to EN 12101-2 and smoke outlets acc. to the current building law (LBO).

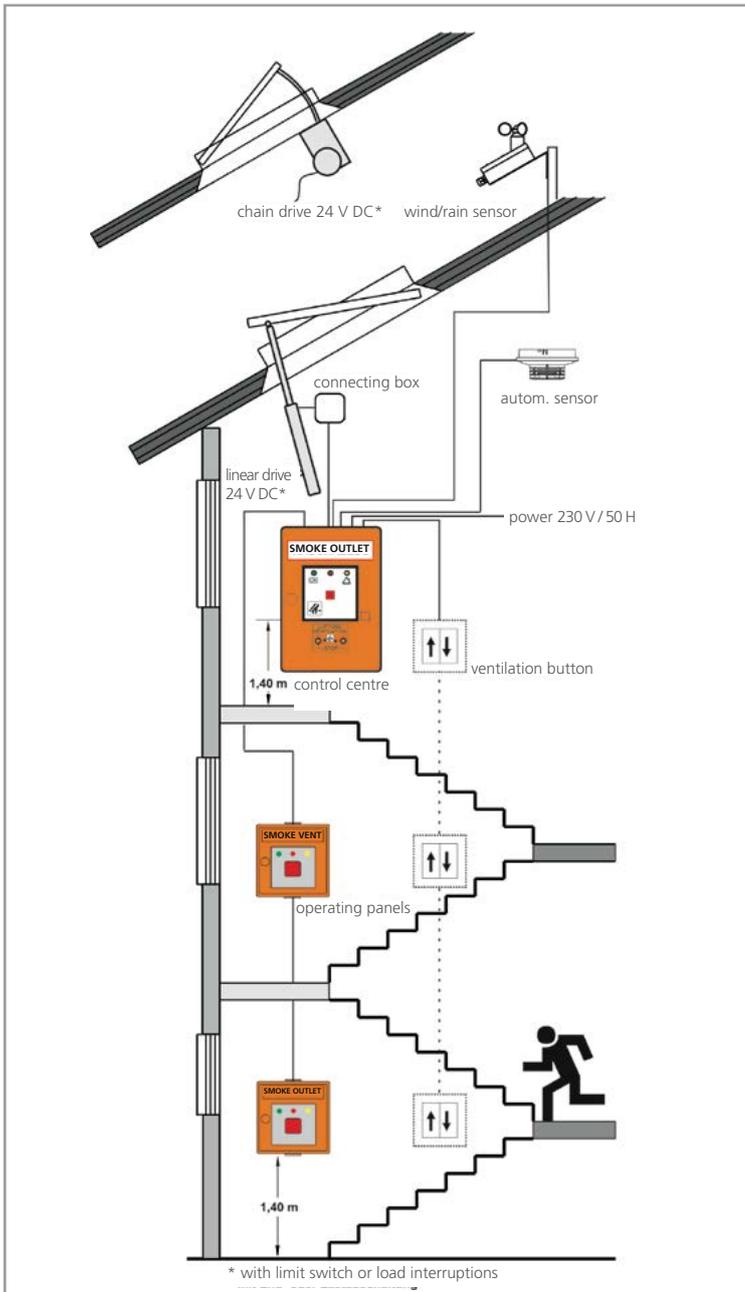
### APPLICATION

- ▶ Appropriate for the installation in new and old buildings as well as for renovation / repair of existing plants.
- ▶ Typical fields of applications in staircases:
  - Office and residential buildings
  - Sales locations
  - Hospitals
  - Homes
  - Schools
  - Medium and big garages
  - Halls for commercial and industrial use
- ▶ The execution is effected object-related, considering in each case:
  - Guidelines of the LBO
  - Building code
  - Special regulations for LBO
  - Fire Protection Act of the countries
  - Technical regulations
  - manufacturer's instructions
  - Data of the building

### YOUR ADVANTAGES

- ▶ Reliability and safety at the highest level due to use of latest technology
- ▶ Long service life due to use of high quality materials
- ▶ High operational safety by means of integrated emergency power supply
- ▶ Individual extension of the functionality by many accessories
- ▶ Ventilation functions by daily ventilation
- ▶ Proof of the suitability by type examination of recognized certification authorities (VdS/RWTÜV)
- ▶ High operational safety
- ▶ Easy to maintain
- ▶ Service provided by qualified technicians

## FUNCTION SCHEME



## MAINTENANCE

- ▶ Maintenance acc. to LBO / DIN EN 12101 periodically every 12 months.

## TECHNICAL DATA

- ▶ RWA linear drive M2:
  - 24 Volt DC version with bipolar connection cable
  - compressive and traction force: 500 Newton
  - stroke lengths: 200 to 500 mm intermediate lengths available
  - with VdS certification
- or alternative:
- ▶ RWA chain drive FM -
  - 24 Volt DC version with bipolar connection cable
  - compressive and traction force (acc. to type): 300 resp. 450 Newton
  - opening widths: 194, 309, 401 mm
  - pushing-out mechanism with stainless steel double chain
  - also available as tandem version
- ▶ RWA control centre TRZ Plus Comfort
  - 24 V DC smoke extractor plant
  - with integrated RWA control console and ventilation button as well as standard transmission of the messages „RWA released“ and „failure“
  - connectivity for a wind/rain or rain sensor including the function „daily ventilating“
  - an RWA group (RG) and a ventilation group (LG)
  - adjustable special functions
  - integrated emergency power supply 230 V AC/ 24 V DC, standby battery and charger for 72 hours operational readiness in case of power failure
  - closable door
- ▶ RWA control console RBH/3A/VdS: pushbutton emergency release key with control
  - with covered closing key „RWA closed“
  - incl. key and service sign „out of action“
  - also available with buzzer
  - with function keys „RWA open“ and „RWA closed“, „operation“, „failure“
  - with LED-display „RWA open“, „operation“, „failure“
  - with VdS approval G501003
- ▶ smoke detector MSC 523
  - VdS approved photo-optical smoke detector, for connection to smoke extraction plants in 2-wire-technique with LED
  - Functional principle diffused light
  - sensitivity DIN EN 54, part 7
  - necessary line 2 x 2 x 0,8 mm<sup>2</sup>
  - with VdS approval G207123

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