



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).

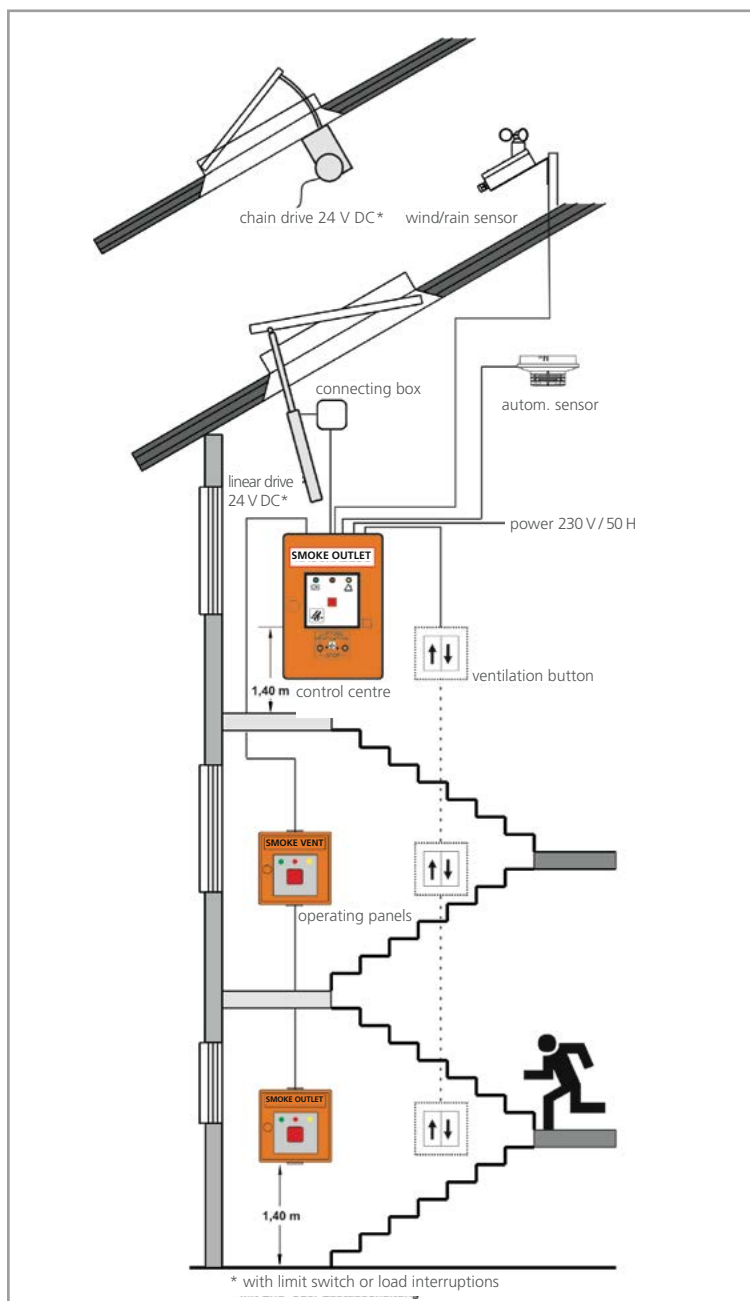
APPLICATION

- ▶ 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 mm²
 - with VdS approval G207123

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