



## Staircase system for smoke outlet and daily ventilation

*Cool down.  
Fire Protection by*

**MINIMAX**

### Product

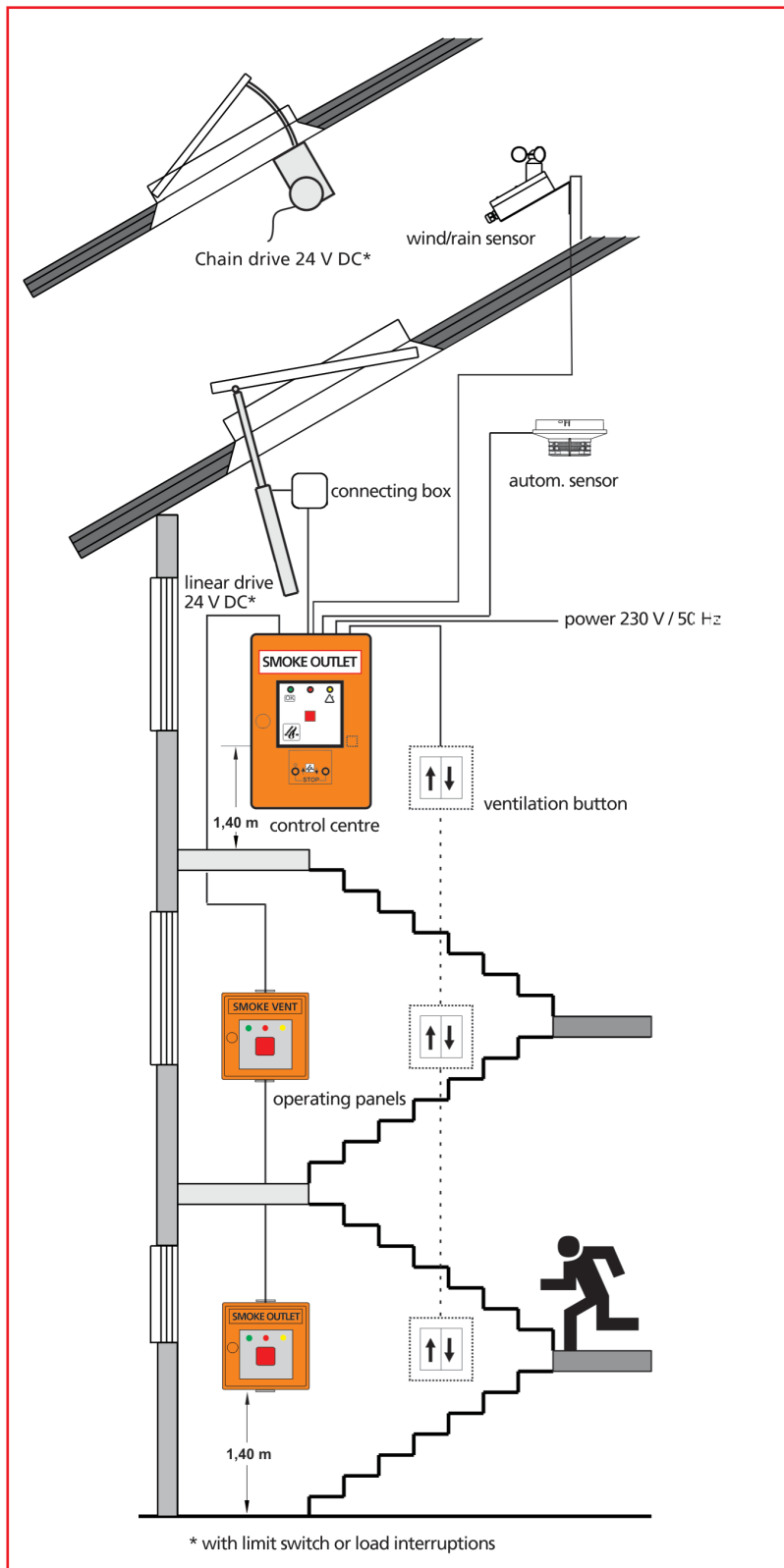
- ▶ Electrical staircase system for smoke extraction and daily ventilation consisting of:
  - control centre TRZ Plus Comfort
  - two RWA operating panels RBH 3/A
  - RWA linear drive M2 alternative
  - RWA chain drive FM
- ▶ The staircase system is combinable with:
  - light domes
  - top hung windows
  - 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



### ▶ 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“
- mit LED-Anzeige „RWA Auf“, „Betrieb“, „Störung“
- 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

## Maintenance

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

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