

Ventilation and smoke extraction system

**GEZE** *RWA Staircase Safety System*



*EVS, Stuttgart*

## GEZE RWA Staircase Safety System

# Ventilation and smoke extraction system in staircases

The **GEZE RWA staircase safety system** is a ventilation and smoke extraction system. Two windows for incoming and outgoing air are electrically operated and controlled by means of the **GEZE E 260 N 2/1** central control box. The electrically powered windows are driven either by the **GEZE E 250/24 V DC** linear drive unit or **GEZE E 205/24 V DC** scissor stay drive unit or **GEZE chain drives**.

### GEZE E 205/24 V DC (see fig. 1)

- ▶ Scissor stay drive for overhead fanlight openers
- ▶ Mounted vertically or horizontally
- ▶ Fitted on left or right side
- ▶ Travel 70 mm max., adjustable
- ▶ Rectangular design 70 x 52 mm
- ▶ Ambient temperature -20° to +70° C
- ▶ Ratings enclosure IP 54



Fig. 1

### GEZE E 250/24 V DC (see fig. 2)

- ▶ Linear drive unit for direct opening
- ▶ For top-hung, outward-opening casements, side-hung casements and dome lights
- ▶ Mechanically controlled overload cutout feature
- ▶ Attached by means of supporting bracket
- ▶ Rectangular design 47 x 40 mm
- ▶ Travel 100, 150, 200, 300, 500, 700 or 750 (special travel specifications available on request)
- ▶ Ambient temperature -20° to +70° C
- ▶ Ratings enclosure IP 65



Fig. 2



Fig. 3



Fig. 4



Fig. 5



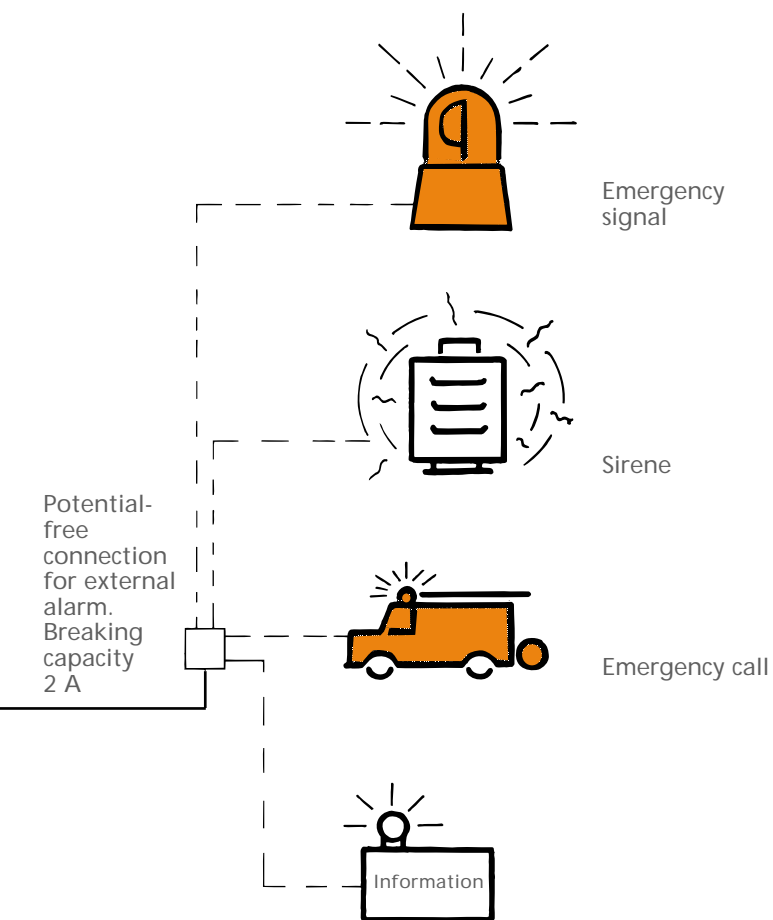
Fig. 6



Fig. 7



Fig. 8



**Smoke detector type 138/24 V DC**  
(see fig. 3)  
and/or **heat difference detector, type 258/24 V DC**  
(see fig. 4) (max. 10)

- ▶ Both types of detector have the same mounting base and are therefore interchangeable
- ▶ Smoke detector function: scattered light principle
- ▶ Function of heat difference detector function: temperature rise and temperature limit

**Ventilator switch E 50/1**  
(OPEN/STOP/CLOSE)  
(see fig. 5)

**Ventilator switch E 50/7**  
(with LED) (see fig. 6)

- ▶ The STOP button can be used to stop motors at any position, e. g. for narrow gap ventilation
- ▶ Suitable for surface and flush mounting

**Fire alarm button FT 4/24 V DC**  
(see fig. 7)  
(max. 4)

- ▶ Red surface-mounted housing acc. to DIN 14655-G
- ▶ Other colours available
- ▶ 4 indicator lights with pictograms: Fire alarm, ON, Window OPEN, Fault (automatic power control)
- ▶ Reset button (with door open)

**Emergency power supply unit E 260 N 2/1**  
(see Fig. 8)

- ▶ Mains connection 230 V AC
- ▶ Output voltage 24 V DC
- ▶ Emergency power supply over a minimum of 72 h
- ▶ Battery control (break, low charge, failure)
- ▶ Power control
- ▶ LED indication for operation, failure,
- ▶ Internal indication for operating status and fault indication
- ▶ Surface-mounted or flush-mounted housing with door
- ▶ Connection of a max. of 2 motors with a total of max. 2.0 A
- ▶ Potential-free connection for
  - external alarm (emergency signal, siren, emergency call)
  - fault indication
  - display "WINDOW OPEN" (optional)

- ▶ Connection of rain-wind control
- ▶ Connection of a central fire alarm unit, potential-free input

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