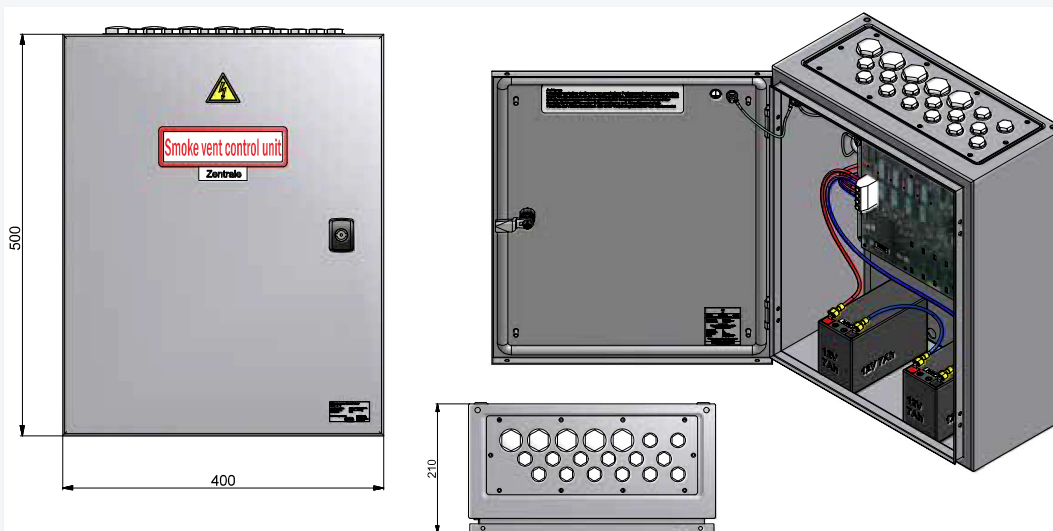


Order designation: Smoke and heat ventilation control unit EN 230 V/24 V 20A-4-1



Short description

The smoke and heat ventilation control unit acts as a control unit for direct current motors used for ventilation and smoke and heat ventilation for light domes, window strips and windows. The system is equipped with an emergency power supply, capable of providing emergency power for min. 72 hours in the event of a power failure.

The following functions can be selected:

- ▶ 1 x smoke and heat ventilation trigger line
- ▶ 4 x ventilation groups/motor lines
- ▶ tested in acc. with DIN prEN 12101 Part 10
- ▶ developed in compliance with DIN prEN 12101 Part 9
- ▶ 72 hours of emergency power in the event of a power failure
- ▶ 2 programmable floating signal contacts
- ▶ monitored lines: power supply, battery, smoke and heat ventilation button, autom. detectors, FAS/FACP, motor line

Various programmable auxiliary functions:

- ▶ triggering of smoke and heat ventilation on fault
- ▶ function of vent button
- ▶ interconnection of 2 detectors
- ▶ ventilation function can be deactivated

Technical data

| Type | EN 230V/24V20A-4-1 |
|---|--|
| enclosure | steel sheet enclosure with casement lock colour: RAL 7 035 (light grey) dimensions W/H/D: 400 x 500 x 210 mm |
| protection class | IP 54 |
| temperature range | temperature class 3, as in VdS 2581 (-5 °C up to +40 °C) temperature class 3, as in VdS 2593 (-5 °C up to +40 °C) |
| rated voltage/output | 230 V AC/850 VA |
| rated voltage of battery | 24 V (2 x 12 V) |
| rated capacity of battery | 7,0 Ah |
| switching capacity of motor line | 4 x with 24 V DC/15 A |
| total switching capacity | 24 V DC/20 A at t < 60 s |
| number of motor lines | 4 x |
| number of ventilation groups | max. 4 x |
| number of smoke and heat ventilation trigger lines | 1 x |
| max. connectivity of smoke and heat ventilation buttons 6/7 | max. 10 x can be combined as required |
| automatic detectors | max. 50 x ECO 1003/ECO 1005 T |
| number of vent buttons | any |
| number of response contacts | max. switching capacity (ohmic) 60 V AC/DC 3 A |
| weight | 22 kg |

Accessories

| | |
|----------------------------|--|
| wind-rain module | →chapter 11.6, page 489, "Wind/Rain Evaluation Set WRA 501" |
| comfort ventilation module | →chapter 11.5.3, page 457, "Comfort Ventilation Module KL-MOD" |
| | 1 or 2 ventilation levels, continuously adjustable, optional automated closure |