



# Brakel® Stairwell control panels 2 A



TRZ Plus 2 A



TRZ Plus Comfort



Compact control panel 2 A

## Control panels for the diverse requirements of SHE and natural ventilation

24 VDC control panel for electromotive smoke extraction and daily ventilation.  
Preferably for use in stairwells.

### Advantages / Features

- Max. 2 A Current Output
- Includes the “daily ventilation” function
- One SHE group (SG) and one ventilation group (VG)
- Various versions
- PC service port interface for advanced configuration options
- Built-in maintenance timer
- Built-in 230 VAC / 24 VDC power supply, emergency power accumulators and charging unit for 72 hours operational readiness if the power fails
- Expandable through additional modules (except TRZ Plus 2 A comfort)
- Additional connection options to control panel accessories
- Optionally available as a flush mountable version
- TÜV type tested
- Tested according to EN 12101-10

### Applications

- Ventilation and Smoke Extraction of stairwells

### Material

- Plastic housing for surface mounting (compact unit 2 A / M: metal housing)
- Colour: TRZ Plus : Orange (on request: blue, yellow, grey, red)  
Compact control panel 2 A : Grey  
Compact control panel 2 A / M : Traffic white RAL 9016

For one SHE group (SG) and one ventilation group (VG).

All listed models feature the functions of TRZ Plus with the additional functions listed here.

TRZ Plus 2 A additional functions		
TRZ Plus 2 A	TRZ Plus comfort 2 A	Compact control panel 2 A
See Technical Data	Connection for wind / rain detector	Larger housing with more wiring space
	Forwarding of messages "SHE activated" and "Fault" via potential-free contacts	Available as plastic or metal housing
	Integrated ventilation switch	Upgradeable: Forwarding of messages "SHE activated" and "Fault" via potential-free contacts and wind / rain detector
	Integrated SHE manual call point	

Technische gegevens	
<b>Electrical Properties</b>	
<b>Primary power supply</b>	
Mains supply voltage	230 VAC / 50 Hz ( $\pm 10\%$ ), separately fused
System voltage	27 VDC (nominal) (- 25% / + 10%)
Power consumption	Max. 75 W at 2 A current output
Power consumption (standby)	< 5 W
Connection terminal	Screw terminal max. 2.5 mm <sup>2</sup>
Safeguard	F1 Mains: Print Fuse 1,25 A / T TE5 250 V; Motor circuit FKS 10 A
<b>Secondary power supply</b>	
Battery	2 x 12 V / 1.2 Ah
Current output after 72 hours in the emergency mode	2 A for 180 sec. in accordance with DIN EN 12101-10
<b>Output</b>	
Voltage	27 VDC (nominal) (- 30% / + 10%) smoothed
Power	Pmax = 54 W; Pmin = 0 W
Current (nominal)	Drives: 2 A at ED 30; Magnetic clamps: 0,7 A at ED 100
Opening / closing operation	Polarity reversal of the voltage
Timing according to prEN 12101-9	Adjustable
Auto. Activation	OPEN / CLOSE direction: after 3 minutes (in ventilation mode)
Line monitoring	Via diodes
Connection terminal	Max. 1.5 mm <sup>2</sup> , spring-loaded terminal
Safeguard	FKS 5 A
<b>Mechanical properties</b>	
Dimensions (H x W x D)	220 x 146 x 84 mm Compact control panel 2 A: 300 x 300 x 132 mm Compact control panel 2 A / M: 300 x 300 x 111 mm
Weight	TRZ Plus 2 A and TRZ Plus Comfort : around 8 kg with battery, around 3 kg without battery Compact unit 2 A, 2 A / M : around 15 kg with battery, around 10 kg without battery
<b>Installation and ambient conditions</b>	
Nominal Temperature	20 °C
Ambient temperature	- 5 °C to + 40 °C
Degree of protection	TRZ Plus: IP 20; Compact control panel 2 A: IP 44; Compact control panel 2 A / M: IP 20

For further information, go to our website: [www.brakel.com](http://www.brakel.com)

