

Emergency Lighting System

Low power system



FGB 24



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Low power system 24 V

With 2 or 4 Circuits

Features

- 24 V Emergency power supply for connection of 24 V emergency lamps to 4 final circuits in mixed operation
- Operation of emergency lamps on safety extra-low voltage (24 V, SKIII, SELV)
- Up to 20 emergency lamps and 65 W connected load per circuit
- Monitoring and configuration of emergency lamps from main unit without extra data line
- Direct installation in the fire compartment possible – no cost-intensive E30 wiring required
- LAN link optionally – central monitoring and configuration for up to 50 units
- Low-maintenance long-life battery
- Clear text display for status of system and status of lamps
- Free assignment of reporting text and lamps text

Order information

	Order code
FGB24 2 circuits	120001
FGB24 4 circuits	120002

Specification

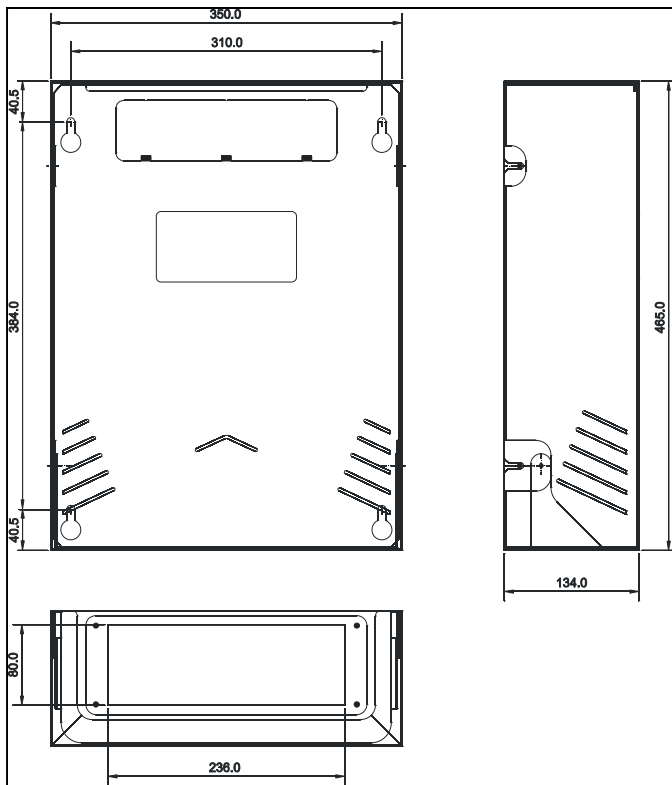
Mounting	Wall mounted
Power	1/N ~ / PE, 230 V AC \pm 10 %, 50/60Hz
Ambient temperature limit	-10 °C - +40 °C
Ambient temperature recommended	20 °C - 25 °C
IP class	IP 20
Protection class system	I
Protection class lamps	III
Housing	
Cover	Steel sheet powder-coated like RAL7035
Base sheet	Steel sheet galvanised
Dimension (w x l x h)	400 x 520 x 145 mm
Weight	app. 28 kg, battery included
Noise level	< 40 dB (A) measured in 1 m distance
Type of battery	BTX12-28LS
Capacity of battery	28 Ah/C10 (service life 10 – 12 years according to EUROBAT)
Final discharging voltage	1,8 V / cell (21,6 V)
Aging buffer of battery	25 % according to EN 50171 /50172
Cable entry	on the top or rear side via cable gland PG M16 placed in galvanised steel sheet
Terminal	Screw-type 2,5 mm ²
Circuits	2 or 4
Output voltage	19,6 – 27 V
Quantity lamps per circuit	max. 20
Power input per circuit	max. 65 W
Consumer connected load	260 W for 1 h operating time 150 W for 3 h operating time 68 W for 8 h operating time
Wire cross section	Terminal block, max. 2,5mm ²
Terminal lay-out	1 x feed-in 4 x monitoring light switch (LS1 to LS4, for 230V AC) 5 x digital input (I1 to I5, for floating control contacts) 1 x system ON / OFF 1 x 24 V panel 4 x output freely programmable floating contacts 4 x circuits 1 to 4 1 x RJ45 LAN-interface for configuration and monitoring
Fuses	Feed-in 6,3 x 32 mm, fuse time-lag, 3,15 A Battery ATO blade fuse, 2 x 15 A Circuits ATO blade fuse, 4 x 2 x 5 A Panel 24 V sub miniature fuse time-lag, TR5, 1 A

Cable length

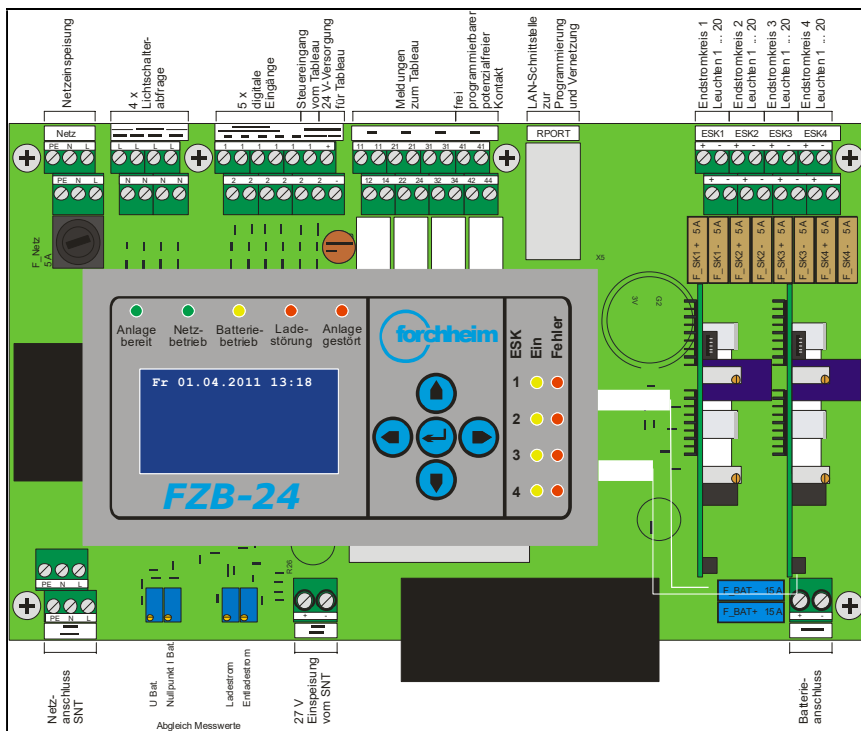
Cable length recommended for different cable cross-sections and connected loads per circuit

Connected load	Cable cross-section 1,5 mm ²	Cable cross-section 2,5 mm ²
60 W	60 m	100 m
50 W	75 m	120 m
40 W	90 m	150 m
30 W	120 m	200 m
20 W	180 m	305 m
10 W	365 m	560 m

Dimension



Terminal lay-out



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