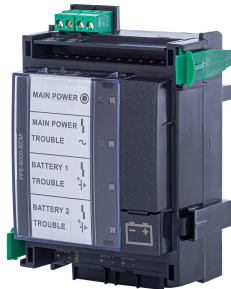
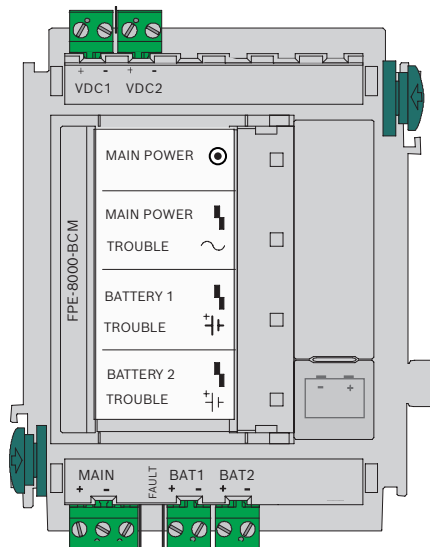


FPE-8000-BCM Battery controller module



The module monitors the power supply of the AVENAR system as well as the battery charging controlled by time and temperature.



Terminal	Function
VDC1 VDC2 +/-	VDC power output, max. 2.8 A (battery-buffered, optional)
MAIN +/-	Power supply connection
BAT1 BAT2 +/-	Battery pair 1 and battery pair 2 connection

- Temperature-controlled monitoring of batteries according to EN 54-4:1997/A2:2006 and EN 12101-10:2005/AC:2007
- Two voltage outputs of 2.8 A at 24 V each
- Plug-and-play technology and pluggable terminal blocks

The press button on the module has different functions:

- When pressing the button, the four module LEDs light up as confirmation and LED function test.
- If the batteries have a voltage between 18 V and 21 V, you can start the battery charging process manually by pressing the button. Note that the power supply must be in place.
- If a VDC output is switched off automatically in case of a fault (e.g. over-current), the output can be re-activated by pressing the button. Note that the fault has to be resolved.



The battery controller module can only be used with AVENAR panel and software versions from 4.7 onwards.

Quantity	Components
1	Battery controller module
1	Connection cable set battery controller module / battery (90 cm)



If the batteries are placed in a power supply housing, the CBB 0000 A cable set is required (cable length 180 cm).

Electrical

Output ratings VDC1 and VDC2

Output voltage (VDC)	20.4 VDC – 30 VDC
Output current (A)	0 A – 2.8 A
Inrush current (A)	≤ 2.80 A
Ripple (mV pk-pk)	250 mV pk-pk
Max. resistance of battery and accompanied circuitry (mΩ)	430 mΩ
Electrical source (EN 62368-1)	ES1
Power source (EN 62368-1)	PS3

Output ratings RAIL

Output voltage (VDC)	20.5 VDC - 30 VDC
Output current (A)	0 A - 6 A
Ripple	250 mV pk-pk
Power source (EN 62368-1)	PS3
Electrical source (EN 62368-1)	ES1

Mechanical

Dimensions (H x W x D) (mm)	127 mm x 97 mm x 63 mm
Weight (g)	200 g
Color (RAL)	RAL 7016 Anthracite gray
Material	Plastic (ABS) AF-312A
Flammability rating (UL 94)	V-0
Mechanical source (EN 62368-1)	MS1

Environmental

Operating temperature (°C)	-5 °C – 50 °C
Storage temperature (°C)	-20 °C – 70 °C

Operating relative humidity, non-condensing (%), at 25 °C	95% max.
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Operating and display elements

Number of LEDs	4
Number of buttons	1

FPE-8000-BCM Battery controller module

monitors the power supply of the fire panel and the charging of the batteries

FPE-8000-BCM



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