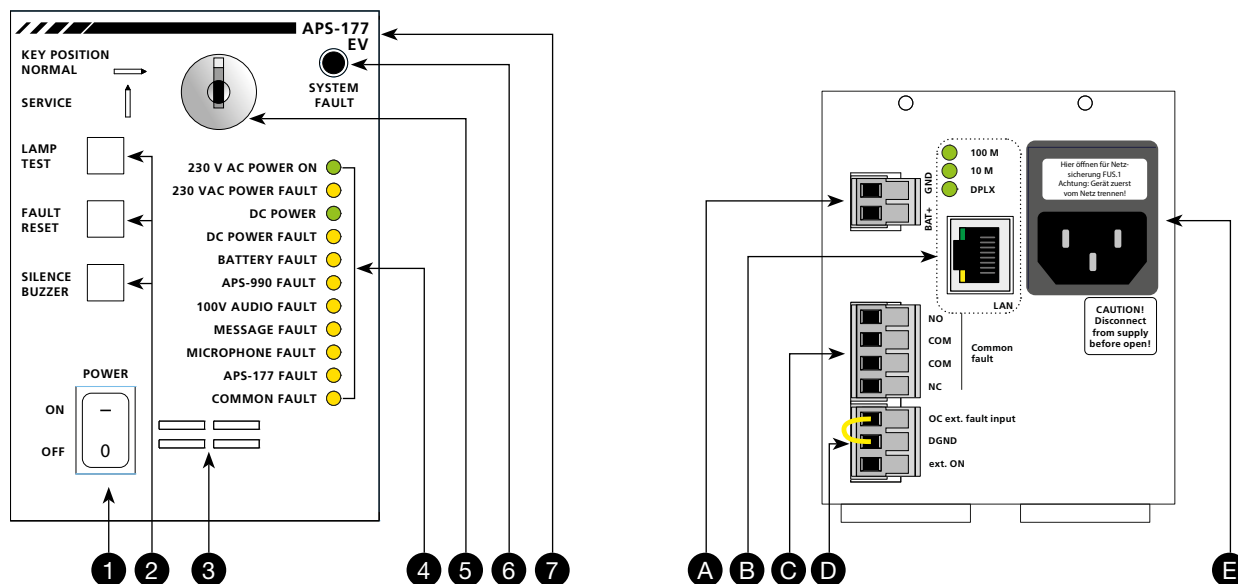


APS-177.2

System monitoring module



Front view (FRS)

- | | |
|-------------------|-----------------------|
| 1 Main switch | 5 Key-operated switch |
| 2 Control buttons | 6 Red LED indicator |
| 3 Buzzer | 7 Model code |
| 4 LED indicators | |

Rear view (RWS)

- | |
|--|
| A Connector for back-up battery |
| B LEDs and socket RJ-45 for LAN (option) |
| C Connector for common-fault |
| D Connector for external fault-contact |
| E Main input socket with fuse and spare |

Description

Designation and function

Monitoring of an Evacuation system according to the regulations EN 50849, EN 54-16, NEN 2575, BS 5839

Monitored inputs and components

- External AC Power 230 V
- External DC Power 48 V, internal DC Power 17 V
- Back-up unit
- Modules APS-01-EV, APS-16, APS-19-EV, APS-56-NL, APS-77-EV, APS-78-EV, APS-79-EV, APS-990
- Loudspeaker monitoring devices APS-178-xx-EV
- Loudspeaker monitoring device APS-180-LOOP
- Amplifiers BO-CD-xxx-EV
- Microphone consoles APS-3xx-EV
- Self-surveillance of the APS-177.2
- LAN components (Option): APS-16-LAN, APS-3xx-LAN, APS-59.1-LAN, APS-177.2-LAN

Use of the module

In APS systems with EV and / or LAN components

Settings on the module

- Activation of the battery for the Real Time Clock
- Activation of the external access to the Wake-up

Function of the module

According to settings and to the programming

Security

For operation set the key-operated switch to the «NORMAL» position, remove it and keep it safe

Rear panels (RWS)

RWS-177.2

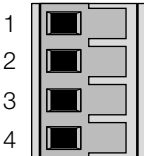
RWS-177.2-LAN (Option)

Technical specifications

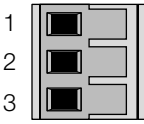
Connection diagram for the connector block (A)

- 1 Input for Ground of the back-up battery
 - 2 Input for 48 VDC of the back-up battery
- 

Connection diagram for the connector block (C)

- Potential-free common fault-contact :
- 1 Normally open contact (NO)
 - 2 Change-over contact (COM)
 - 3 Change-over contact (COM)
 - 4 Normally closed contact (NC)
- 

Connection diagram for the connector block (D)

- 1 Input for the fault-contact
 - 2 Ground for the fault-contact and the external wake-up
 - 3 External access to the wake-up (remote control)
- 

Data

Removal of the module from a unit

- a) CAUTION: the amplifier system must be disconnected from mains and battery supply!
- b) Remove the covering strips at the cabinet
- c) Unscrew the mounting screws
- d) Pulling out the module forwards

Task of the module

Permanent periodical monitoring of all inputs and EV components

General informations

Mains voltage input	230 VAC (Fuse: F1.0 A)
Battery voltage input	48 VDC
Power requirement (150 mA/ 17 V)	2.550 VA
Weight (incl. RWS)	0.685 kg

Data transfer

- Between the APS-177.2 and the APS-990: via I²C bus
- Between the APS-177.2, APS-178-xx-EV and BO-CD-xxx-EV: via DEFAULT
- Between the APS-177.2-LAN and LAN components (Option): via Local Area Network LAN

MC-03

The MC-03 containing the APS-177.2 must be set as «Master» (mini switch 8 for addressing to position ON/down)!

Internal activations (by mini switches)

- Battery for the Real Time Clock RTC: switch BAT on position ON
- External Access to the Wake-up: S1 on position OFF (normally ON)

Back-up unit

If no back-up unit (battery or uninterrupted power supply UPS) with fault contact is available, a wire bridge between pins 1 and 2 of connector block (D) is needed!

Faults

At calibrated APS-177.2 in operation (key-operated switch in «NORMAL» position), the disconnection of EV components or the change of the volume at EV components causes a fault!

System fault (red LED)

Is blinking if the battery for the Real time Clock RTC is activated but the APS system is switched off

Lamp test

BUTTON «LAMP TEST»: Checking the green and yellow LEDs and the buzzer

Fault reset

BUTTON «FAULT RESET»: Reseting of occurred fault

Silence buzzer

BUTTON «SILENCE BUZZER»: Muting of the buzzer

Important

The use must be in accordance with the programming!