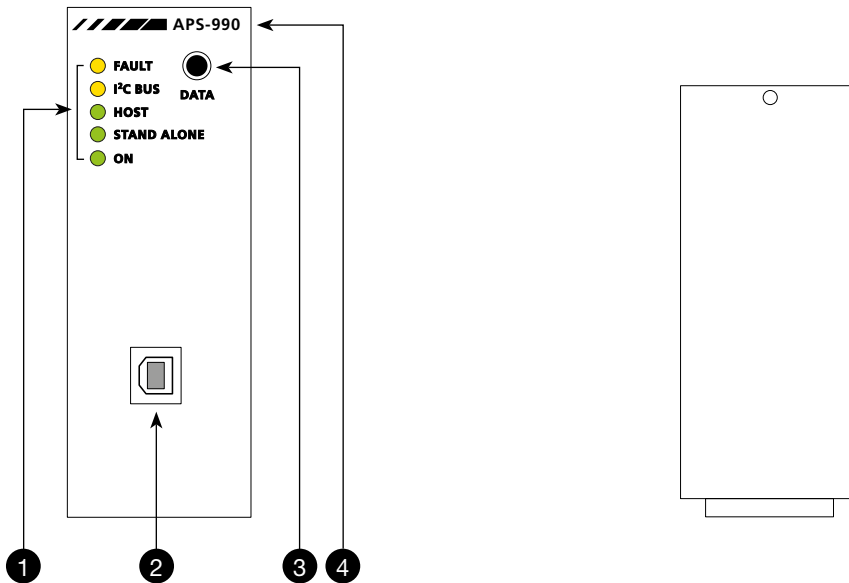


APS-990

Processor module



Front view (FRS)

- 1 LED displays
- 2 Socket type B (option USB)
- 3 Programming socket (serial interface RS232)
- 3 Model code

Rear view (RWS)

Description

Designation and function

Processor module for the control of an APS®-APROSYS system according to the installationspecific programming

Possible versions

| | |
|----------------|---|
| APS-990 | Standard version |
| APS-990-USB | As APS-990 but with additional USB interface |
| APS-990-EQ | For systems with DSP module APS-46.1 |
| APS-990-EQ-USB | As APS-990-EQ but with additional USB interface |

Use of the module

Per system only one APS-990 is necessary and possible

Adjustments on the module

Selection of the interface (RS232 or USB)

Tasks of the module

Storage of the programming and appropriate control of the system

Rear panel (RWS)

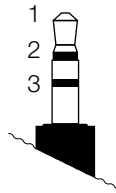
RWS-00

Technical specifications

Connection diagram of programming (3)

(serial interface RS232 for a PC)

- 1 RX (Receive data)
- 2 TX (Transmit data)
- 3 GND (Ground)



Selection of the interface (RS232 or USB)

Adjustable with the help of the jumpers JU1 and JU2 according to the print on the module

Note: the interface of the APS-990 also allows the access to components without its own interface

Connection diagram for the type B socket (2)

(serial interface USB for a PC)

- VCC (+5 V DC)
- Data -
- Data +
- GND (Ground)



Standard version or EQ version

(depending on the present components)

- Standard version: the components C19, C21, C29, C32 etc. in the left upper corner of the module are present
- EQ version: the components C19, C21, C29, C32 etc. in the left upper corner of the module are not present

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

LED displays

- **FAULT (yellow):**
illuminated in case of no or a wrong programming, an error on I²C bus (e.g. wrong address of a casing), overload of an amplifier or a problem with the internal +17 V power supply
- **BUS I²C (yellow):**
Flickers always during data transmission
- **HOST (green):**
The system is controlled by the connected PC
- **STAND ALONE (green):**
The system is controlled by the processor module APS-990
- **ON (green):**
Is illuminated if voltage is on the module

Data transfer between APS-990 and other components

- With modules, amplifiers and system casings: via the I²C bus
- With serial microphone consoles: via the Data-S bus

Additional function of APS-990 and APS-990-USB

LF connection between the input buses (M1–M4) and the output buses (B1–B4)

Important

The use must be in accordance with the programming!