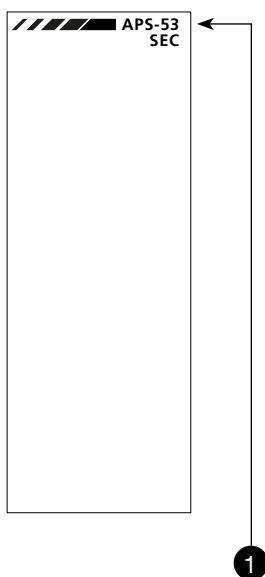


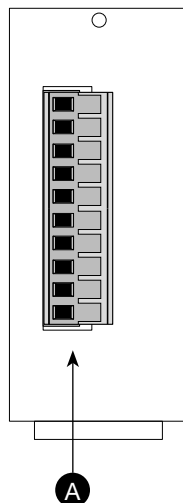
APS-53-SEC

Module for control by external voltage



Front view (FRS)

1 Model code



Rear view (RWS)

A Connector block for connection of external remote control voltages

Description

Designation and function

Module for potential free control of up to four different functions (according to programming APS-990 or configuration of the system)

Use of the module

As part of an APS system

Functions

Four internal switches (S 1, 2, 3, 4) for activating the conditions and for (optional, additional) remote switching of the acoustic control system from the control voltages 1–4. Internal resistance for monitoring according to VDE 833 selectable per input

Activation of the remote controls

External voltage at the corresponding corresponding terminals of the connector block

Control voltages	24 VDC (min 19 V, max. 43 V)
(between a and b)	24 VAC (min. 14 Veff., max. 30 Veff.) (min. 50 Hz, max. 400 Hz)

Supply (e.g. signal lamps)

+17 V (max. 170 mA)

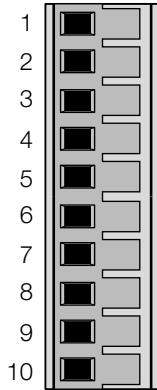
Rear panel (RWS)

RWS-64

Technical specifications

Connection diagram for the connector block (A)

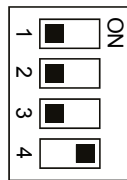
- 1 Output +17 VDC (170 mA)
- 2 Input for control voltage 1a (Condition 1)
- 3 Input for control voltage 1b (Condition 1)
- 4 Input for control voltage 2a (Condition 2)
- 5 Input for control voltage 2b (Condition 2)
- 6 Input for control voltage 3a (Condition 3)
- 7 Input for control voltage 3b (Condition 3)
- 8 Input for control voltage 4a (Condition 4)
- 9 Input for control voltage 4b (Condition 4)
- 10 Ground



Function selection mini switch

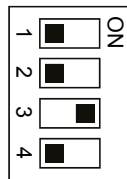
4 ON

Condition active, if voltage existent



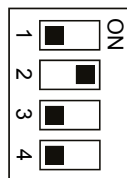
3 ON

Condition active, if voltage not existent



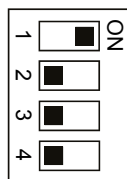
2 ON

System turned on, if voltage existent



1 ON

System turned on, if voltage not existent



Mini switch – internal resistance

Internal resistance ON/OFF



Operating instructions

Connect the external remote control voltages according to the connection description and activate the desired function according to the legend on the internal switches

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

Tasks of the module

- Detecting of the conditions and transmission to the APS-990
- Activation of the remote control (Wake-up)

Activation of the inputs

By external control voltages

Data transfer between APS-53-SEC and APS-990

Via I²C bus

Remote control (WAKE-UP)

During operation of an input, the public-address system is also switched on

Activation of the conditions (CON.)

On the module with the help of mini switches

Activation of the remote control (WAKE-UP)

On the module with the help of mini switches

Function of the module

According to the programming of the APS-990 and the settings on the module

Use of the module

Together with other APS components

Output +17 VDC (e.g. for external signal lamps)

Internally fused by a Polyswitch of 170 mA (automatic resetting fuse)

Power requirement (17 V)

0.340 VA (without external load)

Weight (incl. RWS)

0.405 kg

Important

The use must be in accordance with the programming!