SOUNDER WITH
VISUAL ALARM DEVICE (VAD)
SAO-P8

DOCUMENTS ISSUED BY CNBOP-PIB:
- CPR CERTIFICATE
- CERTIFICATE OF APPROVAL (valid for SAO-P8/CC variety)

24V DC	EN 54-3	EN 54-23	100dB	x16	VOL	LED	3 m - 12 m	SYNCHRO	IP33	IK07	

▶ ## Technical data:

Type	sounder with VAD
Supply voltage	16-32,5 V DC
Current consumption in off state	0 mA
Current consumption in on state	<94 mA*
Power consumption in on state	<2,26 W*
Sound output	>100 dB*
Flash frequency	0,5 Hz
Flash time	~150 ms
Time between flashes	~1850 ms
Device category	O
Device type	type A
Working temperature	-10°C ÷ +55°C
IP protection degree	IP33
IK protection degree	IK07
Conductor cross-section	2,5 mm^2
Dimensions	ø114x100 mm
Weight	~275 g

*for default settings (supply voltage Uz=24 V DC,
fire service signal, potentiometer maximum, optional gradual
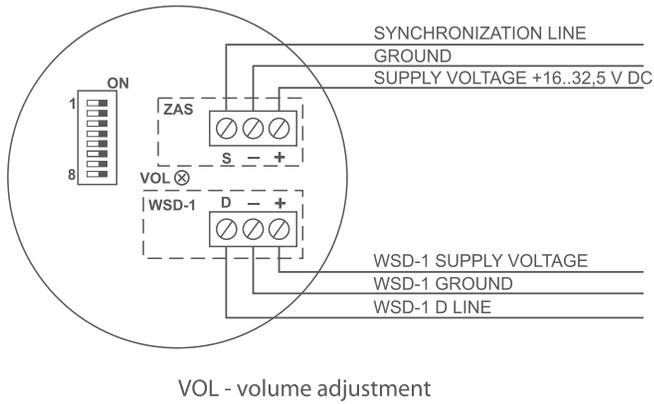volume increasing – ON, optical shape 3m)

▶ ## Product description:

- Alarm signal sequence in accordance with
  EN 54-3:2001+A1:2002+A2:2006.

- Optical part in accordance with EN 54-23:2010.

- High sound level of generated alarm signal.

- 16 sound patterns to choose.

- Gradual volume increasing option.

- Built-in potentiometer to control sound level.

- Possibility to choose 1 of 4 optical shapes
  (3m, 6m, 9m, 12m).

- Reinforced housing IK07.

- Inrush current limiter.

- Synchronization option (acoustic and optical part).

- Also possible to synchronize with:
  SA-P8 and SA-K5N (acoustic part),
  SO-P8 (optical part),
  SA-K7N and SAOZ-Pk2 (acoustic and optical part).

- Cooperates with: PIP-1AN, PIP-3AN, OM-1, OZ-50-3,
  WSD-1.

▶ ## Varieties:

Varieties	Description
SAO-P8/CC	sounder with VAD in red housing, red light
SAO-P8/CB	sounder with VAD in red housing, white light
SAO-P8/CM	sounder with VAD in red housing, alternating red and white light
SAO-P8/BC	sounder with VAD in white housing, red light
SAO-P8/BB	sounder with VAD in white housing, white light
SAO-P8/BM	sounder with VAD in white housing, alternating red and white light

Connection diagram:

SYNCHRONIZATION LINE
GROUND
SUPPLY VOLTAGE +16..32,5 V DC

WSD-1 SUPPLY VOLTAGE
WSD-1 GROUND
WSD-1 D LINE

VOL - volume adjustment

Microswitch	Mark	Function
1	M/S	Operating mode selection MASTER (ON)/ SLAVE (OFF)
2	S0	Sound pattern selection
3	S1	Sound pattern selection
4	S2	Sound pattern selection
5	S3	Sound pattern selection
6	VR	Optional gradual volume increasing (ON)
7	L0	Optical shape selection
8	L1	Optical shape selection

Synchronization scheme example:

SUPPLY VOLTAGE +16...32,5 V DC
GROUND
SYNCHRONIZATION LINE

WSD-1

MUTE WHEN WSD-1 ACTIVE
(ALL DEVICES)

WSD-1

MUTE WHEN WSD-1 ACTIVE
(DEVICE CONNECTED TO WSD-1)