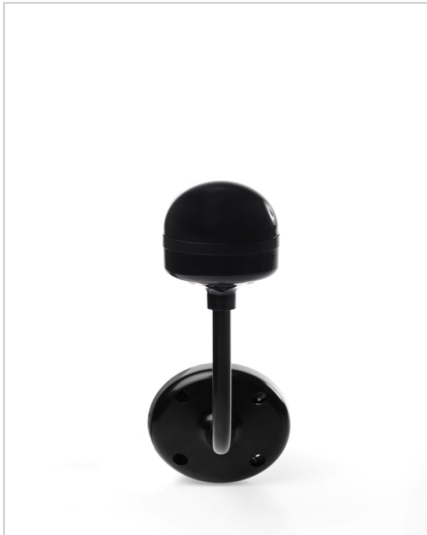


## Signalling device SA-A1



### Product description


The signalling device SA-A1 enables generation of five acoustic signals. Releasing an acoustic signal is done through connecting the appropriate control input to gnd. Additionally, the signalling device has got the input enabling operation in the lowered volume mode.

The casing of the signalling device is made of plastic ABS, PC. Elements are permanently joined. The sound source is a piezoceramic transducer. The signaling device has got a straight or angular fastening to the ground/wall.

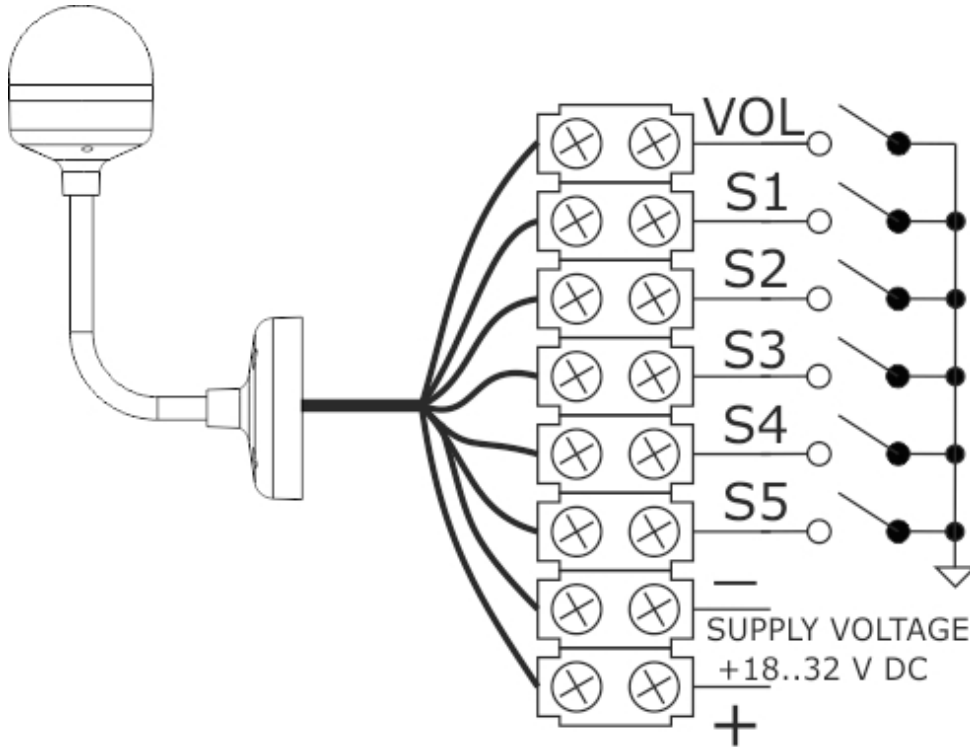
### Control options

The acoustic signal is released through connecting the appropriate control input to gnd. The signal is generated as long as the signalling device input is connected to gnd. The electronic system of the signalling device has got the built-in priority mechanism, it means that in case of occurring two signals simultaneously, the system will start generating the signal of higher priority (the highest priority has got the input S1).

The signalling device SA-A1 can also operate in the lowered volume mode. In case when the input VOL will be connected to gnd, the electronic system built-in the signaling device will reduce the volume of emitted sound. This state will last as long as the input VOL of the signaling device will be connected to gnd.



**Connection diagram**



Control input	Acoustic signal
S1 (red colour)	Increased frequency from 2400Hz to 2850Hz during 0.14s
S2 (yellow colour)	Frequency 2850Hz: serially 60ms of sound, 120ms of silence
S3 (green colour)	Continuous sound with fixed frequency (300Hz)
S4 (blue colour)	Serially sections of 0.5s with the frequency of 800Hz, 700Hz
S5 (white colour)	Frequency 3000Hz, 3 bundles of pulses with the time duration of 32ms each one (sound and silence of 16ms) separated with the silence of 0.5s, and then 1.5s of silence



## Technical data

Parameter	Value
Supply voltage	18-32V DC
Current consumption at supply voltage 24V DC	Operation in the full volume mode <75mA Operation in the lowered volume mode <25mA
Sound output at 1m (depending on the type of acoustic signal model)	Operation in the full volume mode Min >88dB Max >99dB Operation in the lowered volume mode Min > 69dB Max > 82dB
Weight	< 260g
Range of working temperatures	-25°C ÷ 55°C
Contamination degree	3
Protection degree provided by the casing	IP 54
Max. Conductor cross-section	2.5mm <sup>2</sup>

