



# MSS Stand-alone Signaling Devices

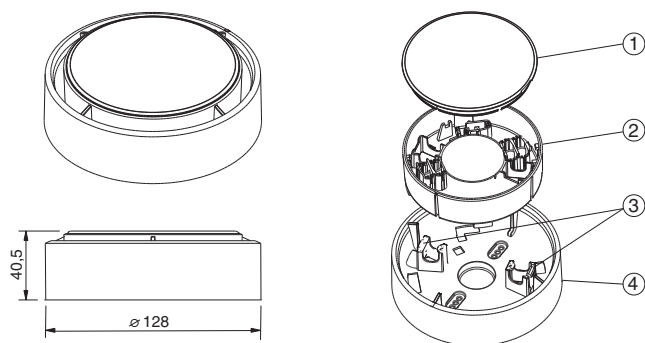


- ▶ Volume up to 100 dB(A)
- ▶ Robust, compact type with modern design
- ▶ Great reliability and long service life
- ▶ 11 different tone variants can be selected (incl. DIN tone)
- ▶ For surface and flush-mounted cable feed

MSS Stand-alone Signaling Devices are used independently without detector for signaling an alarm directly in the fire location.

Visually, they blend perfectly with the series 320 and 420 fire detectors.

## System Overview



Pos.	Designation
1	Cover plate
2	Sounder unit
3	Sounder unit snap-fit hooks
4	Mounting base

## Functions

The electronic tone generator integrated into the signaling device can produce 11 different tones (including DIN tones conforming to EN 457). The tone variants include different wails, various signals for fire alarms, and other special modulations. Depending on the tone type, volume set, and operating voltage, the sound pressure level varies between 87 dB(A) and 100 dB(A).

The programming/coding occurs:

- for the MSS 300-SA via integrated DIP switches,
- for the MSS 400 LSN-SA / MSS 401 LSN-SA via the LSN.

Monitored and non-monitored connection to fire panels is possible.

## Certifications and Approvals

MSS 401 LSN-SA/MSS 401 LSN-SA comply with:

- EN54-3:2001/A1:2002
  - EN54-17:2005
- MSS 300-SA complies with:
- EN54-3:2001/A1:2002

Region	Certification
Germany	VdS G 204067 MSS 300 G 204068 MSS 400 / 401

Region	Certification	
Europe	CE	MSS 300 SA
		MSS 400 SA
		MSS 401 SA
	CPD	0786-CPD-20185 MSS 300
		0786-CPD-20186 MSS 400_MSS 401

### Installation/Configuration Notes

- The signaling devices are intended for indoor use.
- The siren continues to sound for approx. 1 minute after being switched off after occurrence of an alarm.
- The current consumption depends on the tone type selected and is maximum 20 mA.

### Tone type table

N	Signal type (sound type)	Frequency / modulation	Acoustic sound level at 24 V
1*	Increasing/decreasing tone (DIN tone)	1200/500 Hz at 1 Hz	96 dB(A)
2	Increasing/decreasing tone British alarm tone (BS 5839)	800-970 Hz at 1 Hz	100 dB(A)
3	Increasing/decreasing tone Australian alarm tone (AS 2220)	2400-2850 Hz at 7 Hz	95 dB(A)
4	Alternating Dutch alarm tone	500-1200 Hz 3.5 s on / 0.5 s off	97 dB(A)
5	Continuous tone, British alarm tone (BS 5839)	970 Hz	97 dB(A)
6	Alternating French alarm tone	554 Hz/100 ms 440 Hz/400 ms	97 dB(A)
7	Continuous tone, Swedish alarm tone	660 Hz	97 dB(A)
8	Variable tone	580/1000 Hz each 500 ms on / off	91 dB(A)
9	Pulse tone	580 Hz each 250 ms on / off	87 dB(A)
10	USA temporal 3 tone ISO 8201	610 Hz	99 dB(A)
11	USA temporal 3 tone ISO 8201	2850 Hz	94 dB(A)

\* Delivery state: tone in accordance with DIN 33404 or EN 457

### Parts Included

Qty.	Components
1	MSS Stand-alone Signaling Device for use without detector
1	Cover plate
2	Fastening screws

### Technical Specifications

#### Electrical

Operating voltage	
• MSS 300-SA	9 V DC to 30 V DC
• MSS 400 LSN-SA / MSS 401 LSN-SA	15 V DC to 33 V DC
Current consumption from external source	Quiescent state / alarm
• MSS 300-SA	Standby: 1 mA Alarm: max. 20 mA
• MSS 401 LSN-SA	Standby: 2 mA Alarm: max. 20 mA
Current consumption from LSN	
• MSS 400 LSN-SA	Standby: 2 mA Alarm: max. 20 mA
• MSS 401 LSN-SA	Max. 1.025 mA

#### Mechanics

Connections (inputs/outputs)	0.28 mm <sup>2</sup> to 2.5mm <sup>2</sup>
Dimensions (W x H)	128 x 40.5 mm
Housing material	Plastic, ABS (Novodur)
Housing color	Red, similar to RAL 3001 White, similar to RAL 9010
Weight	
• Without packaging	Approx. 230 g
• With packaging	Approx. 275 g

#### Environmental conditions

Permissible operating temperature	-10 °C to +55 °C
Permissible storage temperature	-25 °C to +85 °C
Protection class as per EN 60529	IP 54

#### Special features

Sound pressure level at a distance of 1 m	Max. 100 dB (A)
Frequency range	440 Hz up to 2.85 kHz

**Ordering Information**

<b>MSS 300-SA Red, Conventional Technology</b> Stand-alone Signaling Device triggered via an FLM-420-NAC or NZM 0002 A, tone type set via DIP switch, volume set via potentiometer	<b>MSS300-SA</b>
<b>MSS 400 LSN-SA Red</b> Stand-alone Signaling Device with direct link to the LSN, setting of tone type and volume via the LSN	<b>MSS400LSN-SA</b>
<b>MSS 401 LSN-SA Red</b> Stand-alone Signaling Device with separate power supply and direct link to the LSN, setting of tone type and volume via the LSN	<b>MSS401LSN-SA-RD</b>
<b>MSS 401 LSN-SA White</b> Stand-alone Signaling Device, with separate power supply and direct link to the LSN, setting of tone type and volume via the LSN	<b>MSS401LSN-SA-WH</b>

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