

# Sounder-Strobes

## Series CWSS



- **32 different tone types selectable, alternative tone for multi-stage alarming**
- **High sound level, more than 100dB**
- **Red high-performance LEDs**
- **EN 54-23 Classes C+W – combined in a single device**
- **EN 54-23 Class O**
- **Versions with protection class IP21 or IP65, available in red or white**



### Description

The combined Sounder-Strobe Series CWSS has 32 different tones, all of which have been tested according to EN 54-3. They include, for example,

- Continuous tone 800Hz,
- Slow Whoop tone according to NEN 2575,
- DIN 33404 tone.

The tone is selected via DIL switches. If the sounder is actuated via 2 control panel outputs, it can be operated with an alternative tone. In this way, multi-stage alarming with 2 different tones can be implemented. The sound level is adjusted in 2 steps, by means of a DIL switch.

Thanks to the use of LEDs, the strobe with clear cap and red light has a very long lifespan and a low power consumption. Depending on the type of the device, the strobe has been tested according to EN 54-23 **Class C+W** (ceiling+wall) or according to **Class O** („open class“).

The signalling devices according to Class C+W allow ceiling or wall mounting with the same device type. They are used if optical alarming according to EN 54-23 is required. Thanks to the optimised design of the cap, the strobe evenly emits light in all directions, and therefore the signalling devices can be mounted in any orientation.

The design of the signalling devices according to Class O is identical to that of the devices according to Class C+W. However, due to the lower light intensity, they are not suitable for two sense evacuation. They are used in applications where additional optical alarming is desired.

If multiple sounder-strobes are used, the tones as well as the flash period of all signalling devices on a line are synchronised in order to generate a uniform warning tone and light pulse.

The current consumption of the combi signalling device depends on the tone of the sounder and the operating voltage.

The Sounder-Strobe Series CWSS according to EN 54-23 Classes C+W is available in the following versions:

- CWSS-RR-S5 – red, standard base IP21
- CWSS-RR-W5 – red, deep base IP65
- CWSS-WR-S5 – white, standard base IP21
- CWSS-WR-W5 – white, deep base IP65

The Sounder-Strobe Series CWSS according to EN 54-23 Class O is available in the following versions:

- CWSS-RR-S3 – red, standard base IP21
- CWSS-RR-W3 – red, deep base IP65
- CWSS-WR-S3 – white, standard base IP21
- CWSS-WR-W3 – white, deep base IP65

The base is included with the sounder-strobes. The cables can be entered from the side or from the back. On the two flattened sides of the deep base version, 3 openings can be broken out for PG screw connections. There is a screw for the optional theft protection. Thanks to the robust design, the sounder-strobes are suitable for use under harsh environmental conditions.



0832-CPR-F0262  
0832-CPR-F0259

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# LST

# Signalling devices, EN 54-23 Classes C+W

## Specifications

Operating voltage	12 – 29VDC
tested according to EN 54-3	9 – 14VDC or 18 – 29VDC
tested according to EN 54-23	12 – 29VDC
Current consumption at 24V	typ. 60mA (DIN tone)
Sound level	typ. 102dB(A) / 1m distance (DIN tone)
Flash frequency	0.5Hz
EN 54-23 Category W-2.4-6.0 – wall mounting	
Mounting height	max. 2.4m
Room size	max. 6m × 6m
EN 54-23 Category C-3-8.9 – ceiling mounting	
Mounting height	max. 3m
Room size	max. Ø 8.9m, equals max. 6.3m × 6.3m
EN 54-23 Category C-6-8.2 – ceiling mounting	
Mounting height	max. 6m
Room size	max. Ø 8.2m, equals max. 5.8m × 5.8m
Ambient temperature	-25°C to +70°C
Colour cap / light colour	clear / red
Approvals	VdS G215013 LPCB 166p/03 (red housing) LPCB 166p/02 (white housing) 0832-CPR-F0262

### Multitone sounder-strobe red, with base IP21

Protection class	IP21
Dimensions Ø × D	100 × 98 (mm)
Colour housing	flame red, RAL 3000
Weight	250g
Order number	355286
Order name	Sound-Strobe/12-24V/Red/Cl/Red/Multiton CWSS-RR-S5

### Multitone sounder-strobe red, with base IP65

Protection class	IP65
Dimensions Ø × D	100 × 122 (mm)
Colour housing	flame red, RAL 3000
Weight	260g
Order number	355287
Order name	Sound-Strobe/12-24V/Red/Cl/Red/Multiton CWSS-RR-W5

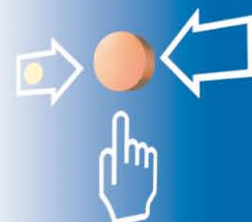
### Multitone sounder-strobe white, with base IP21

Protection class	IP21
Dimensions Ø × D	100 × 98 (mm)
Colour housing	signal white, RAL 9003
Weight	250g
Order number	355294
Order name	Sound-Strobe/12-24V/White/Cl/Red/Multit CWSS-WR-S5

### Multitone sounder-strobe white, with base IP65

Protection class	IP65
Dimensions Ø × D	100 × 122 (mm)
Colour housing	signal white, RAL 9003
Weight	260g
Order number	355295
Order name	Sound-Strobe/12-24V/White/Cl/Red/Multit CWSS-WR-W5

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## Signalling devices, EN 54-23 Class O

### Specifications

Operating voltage	12 – 29VDC
tested according to EN 54-3	9 – 14VDC or 18 – 29VDC
tested according to EN 54-23	24 – 29VDC
Current consumption at 24V	typ. 28mA (DIN tone)
Sound level	typ. 102dB(A) / 1m distance (DIN tone)
Flash frequency	0.5Hz
EN 54-23 Category O-Wall – wall mounting	
Mounting height	max. 2.4m
EN 54-23 Category O-Ceiling – ceiling mounting	
Mounting height	max. 3m
Ambient temperature	-25°C to +70°C
Colour cap / light colour	clear / red
Approvals	VdS G215014 LPCB 166p/07 (red housing) LPCB 166p/06 (white housing) 0832-CPR-F0259

#### Multitone sounder-strobe red, with base IP21

Protection class	IP21
Dimensions Ø × D	100 × 98 (mm)
Colour housing	flame red, RAL 3000
Weight	250g
Order number	355284
Order name	Sound-Strobe/12-24V/Red/Cl/Red/Multiton CWSS-RR-S3

#### Multitone sounder-strobe red, with base IP65

Protection class	IP65
Dimensions Ø × D	100 × 122 (mm)
Colour housing	flame red, RAL 3000
Weight	260g
Order number	355285
Order name	Sound-Strobe/12-24V/Red/Cl/Red/Multiton CWSS-RR-W3

#### Multitone sounder-strobe white, with base IP21

Protection class	IP21
Dimensions Ø × D	100 × 98 (mm)
Colour housing	signal white, RAL 9003
Weight	250g
Order number	355292
Order name	Sound-Strobe/12-24V/White/Cl/Red/Multit CWSS-WR-S3

#### Multitone sounder-strobe white, with base IP65

Protection class	IP65
Dimensions Ø × D	100 × 122 (mm)
Colour housing	signal white, RAL 9003
Weight	260g
Order number	355293
Order name	Sound-Strobe/12-24V/White/Cl/Red/Multit CWSS-WR-W3

