

Сигнализаторы/сирены светодиодные WERMA 431/433

Технические характеристики



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Единый адрес для всех регионов: wme@nt-rt.ru | www.werma.nt-rt.ru

Combination LED Beacon with Multi-Tone Sounder/Horn

Your benefits

The WERMA Midi Beacon with a siren or horn provides safety and security by delivering reliable fault alarms over medium distances. The IP65 protection rating is suitable for outdoor applications.

- Multiple light configurations for different purposes and distances (some with partial external triggering)
- Simple installation
- Tamper-proof when installed
- Multiple visual and audible escalation levels possible
- Clear all-round visibility thanks to the OmniVIEW lens; no blind spots
- Multi-tone siren with up to 32 tones available for maximum flexibility

Typical applications

Fault signalling

- In areas with high ambient noise levels
- On machinery and equipment
- In building service systems (e.g. gas alarm)
- In the event of e.g. overload on mobile cranes and similar

Installation options

- Base mounting
- Wall mounting
- Tube mounting

Features

- Long life and energy-saving LEDs



Signalisation index	430/432	431/433	434	435
Horn			7	7
Multi-Tone Sounder	7	7		
LED Permanent Light	5	5	5	5
LED Flashing Light		7		7
LED EVS Light		9		9



431/433 LED Permanent / Flashing / EVS / Multi-Tone Sounder Combination



Multi-functional LED beacon:
3 light effects can be externally triggered



The adaptor enables mounting on a tube (431)

① TECHNICAL SPECIFICATIONS/ORDER SPECIFICATIONS:

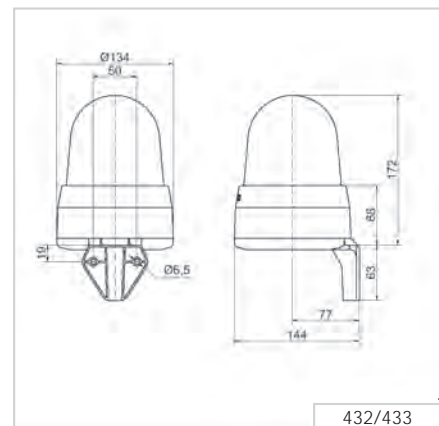
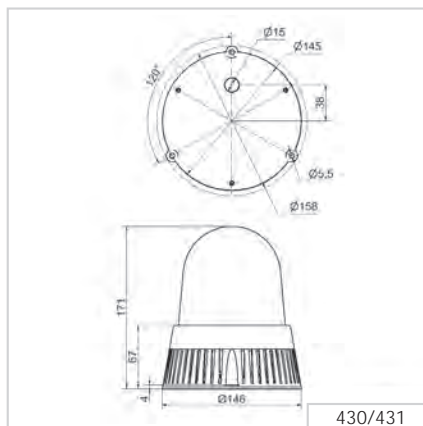
	Base mounting (431)	Wall mounting (433)
Dimensions (Ø x Height):	146 mm x 171 mm	134 mm x 235 mm
Housing:	PCABS-Blend, black	PC/ABS-Blend, grey
Lens:	PC, transparent	
Connection:	Screw terminal 0.5-1.5 mm ²	
Cable entry:	Cable diameter max. 13 mm	
Tone type and frequency:	32 tones adjustable, see table on page 224	
Installation position:	Sound outlet facing downwards	
Life duration:	Up to 50,000 hrs (LED), up to 5,000 hrs (Multi-tone Sounder)	
Fixing:	Base mounting (431), Wall mounting (433) Tube mounting (accessory, only for 431)	
Voltage:	24 V AC/DC	115-230 V AC*
Current consumption MTS:	190 mA	55 mA
Current consumption LED:	350 mA 230 mA (red)	100 mA 80 mA (red)
Base mounting		
red	431 100 75	431 100 60
yellow	431 300 75	431 300 60
Wall mounting		
red	433 100 75	433 100 60
yellow	433 300 75	433 300 60

*Current consumption at 115 V

✂ ACCESSORIES:

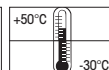
Adaptor for tube mounting, plastic, for tube Ø 25 mm	975 430 01
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↔ TECHNICAL DIAGRAMS:



Signalisation index

Multi-Tone Sounder	7
LED Permanent Light	5
LED Flashing Light	7
LED EVS Light	9



43 x Tone table for Multi-Tone Sounder

The Multi-Tone Sounder Combinations 43x offer a large choice of internationally recognised signal tones for the widest range of applications. The tone types and frequencies can be found in the table below:

🎵 TONE TYPES AND FREQUENCIES:						
Tone 1	Tone type	Frequency (Hz)	Description	Use	Tone 2	Sound output (dba)
1	continuous	200		BS 5839-1:2002	440 Hz cont.	97
2	rising	800 & 970	7 Hz		14	102
3	rising	800 & 970	1 Hz		14	103
4	continuous	2850			14	104
5	rising	2400 - 2850	7 Hz		4	109
6	rising	2400 - 2850	1 Hz		4	110
7	rising	500 - 1200	3 s, then 0.5 s OFF (then repeat)		14	106
8	falling	1200 - 500	1 Hz	DIN 33404-3	14	104
9	alternating	2400 & 2850	2 Hz		4	111
10	pulse	970	0.5 Hz (1 s On/1 s Off)	BS 5839 Part 1 1988	14	101
11	alternating	800 & 970	1 Hz	BS 5839 Part 1 1988	14	105
12	pulse	2850	0.5 Hz		4	104
13	pulse	970		0,25 s On/1 s Off	14	98
14	continuous	970		BS 5839-1:2002 PFEER - Toxic gas	10	102
15	alternating	554 & 440		France NFS	14	101
16	pulse	660	150 ms On/150 ms Off	Swedish	16	96
17	pulse	660	1.8 s On/1.8 s Off	Swedish	17	98
18	pulse	660	6.5 s On/13 s Off	Swedish	18	98
19	continuous	660		Swedish	19	98
20	alternating	554 & 440	0.5 Hz		20	102
21	pulse	660	1 Hz	Swedish	21	97
22	pulse	2850	150 ms On/100 ms Off	GB	14	104
23	rising	800 - 970	50 Hz (low)	BS 5839 Part 1 1988	14	102
24	rising	2400 - 2850	50 Hz (high)		4	109
25	pulse	970	3 x 500 ms ON/500 ms OFF / 1.5 s silence, then repeat (low)	ISO 8201 US Temporal	26	101
26	pulse	2850	3 x 500 ms ON/500 ms OFF / 1.5 s silence, then repeat (high)	ISO 8201 US Temporal	25	104
27	continuous	4000			27	92
28	rising	2000 - 2850	7 Hz		2000 Hz cont.	111
29	alternating	988 & 645	2 Hz		988 Hz cont.	102
30	alternating	510 & 610	2 Hz		510 Hz cont.	102
31	alternating	800 & 970	2 Hz	5839-1:2002	800 Hz cont.	105
32	alternating	800 & 1200	1 Hz		800 Hz cont.	105



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