

Signal devices for machine tools and equipment applications

Supporting and securing processes.





**EUROPE'S
LEADER IN
SIGNALLING**

OPTIMISING PROCESSES

Our system solutions play an important part in machine tool and equipment applications by monitoring processes and providing companies with a complete transparency of their operations. As a manufacturer you benefit for your customers from all of the advantages we provide such as reliability, safety and performance. We supply innovative solutions which are simple to install and easy to use. In this way we have established a durable and maintenance-free industry standard for the lifetime of the machine. The knowledge that it simply works - that's what we call intelligent signal technology at WERMA.

SIGNAL TOWERS - MODULAR

Professional signalling provides your application with greater safety and security and considerably reduces response times. Monitor your processes, make them reliable and keep them running - saving time and money. We call this intelligent signalling technology.

Technical details	KombiSIGN 40	KombiSIGN 72	ClearSIGN	CleanSIGN
Product type	modular	modular	pre-assembled	pre-assembled
Diameter/	40 mm	70 mm	40 mm	70 mm
Dimensions			Ø 104 mm	112 mm x 125 mm
Voltage	24 V	24 V	24 V	24 V
Protection rating	IP 66	IP 65	IP 66	IP 67/IP 69k
Number of tiers possible	1-5	1-5	4	3
Interface	I/O-Link	ASi, USB, I/O-Link	I/O-Link	-

Further versions can be found in our current catalogue or at www.werma.com.

KombiSIGN 72 and KombiSIGN 40 - THE NEW GENERATION

There is no need to compromise with the KombiSIGN 72 and 40, because this products combines quick installation, excellent visibility and the highest level of flexibility. This saves time and money.

- Easy, intuitive installation - incorrect assembly is practically impossible (Poka Yoke)
- TwinLIGHT and TwinFLASH combine two easily selectable light effects in one element
- In ClassicLOOK or DesignLOOK to suit all machine surfaces
- Clearly visible from all positions thanks to the OmniVIEW lens with no blind spots
- Completely pre-assembled standard versions are available (common configurations as a complete tower with a single part number)
- Smooth surfaces prevent dirt gathering and make cleaning easy (KombiSIGN 72)



TwinLIGHT
TwinFLASH



 IO-Link

KombiSIGN 40 - ClassicLOOK

Diameter	40 mm
Dimensions optical signal element (Ø x Height)	40 mm x 58,6 mm
Protection rating	IP 66
Number of tiers possible	1-5
Interface optional	IO-Link
Life duration Optical Signal Elements/ Audible Signal Elements	50.000 h
Lens	PC, transparent

Pre-assembled signal tower

TwinLIGHT - green/yellow/red

Light effects:	LED Permanent light, LED Blinking light, adjustable via slide switch
Dimensions (Ø x Height):	40 mm x 214 mm
Voltage:	24 V AC/DC
Order No.:	639 300 01



Optical Signal Elements

TwinLIGHT

Light effects:	LED Permanent light, LED Blinking light, adjustable via slide switch
Voltage:	24 V AC/DC
Current consumption:	< 50 mA
red	634 110 75
green	634 210 75
yellow	634 310 75
white	634 430 75
blue	634 510 75



TwinFLASH

Light effects:	LED Flashing light, LED EVS light, adjustable via slide switch
Voltage:	24 V DC
Current consumption:	< 65 mA
red	634 120 55
green	634 220 55
yellow	634 320 55
white	634 440 55
blue	634 520 55

Multicolour

Light effects:	LED Permanent light
Colours:	Red, yellow, green, blue, white, violet, turquoise controlled by binary inputs
Voltage:	24 V DC
Current consumption:	< 100 mA
Order No.:	634 450 55

Audible Signal Elements

Housing: PC

2 Tone Siren

Dimensions (Ø x Height):	40 mm x 45 mm
Sound output:	85 dB (A)
Tone type:	Continuous or pulse tone, can be set via slide switch
Voltage:	24 V AC/DC
Current consumption:	< 80 mA
Order No.:	635 800 75



8 Tone Siren

Dimensions (Ø x Height):	40 mm x 68 mm
Sound output:	89-95 dB (A), can be set via slide switch
Tone type:	8 tones, can be set via slide switch
Voltage:	24 V AC/DC
Current consumption:	< 200 mA
Order No.:	635 810 75

Terminal Elements

Housing: PC

Terminal element

Dimensions (Ø x Height):	40 mm x 40 mm
Cable entry:	Cable diameter max. 9 mm
Connection:	Push-in terminal max. 1,5 mm ²
Voltage:	24 V AC/DC
Order No.:	630 800 75



IO-Link Terminal element

Dimensions (Ø x Height):	40 mm x 58,6 mm
Cable entry:	Cable diameter max. 9mm
Connection:	Push-in terminal max. 0,75 mm ²
Voltage:	24 V via IO-Link
Current consumption:	10 mA
Order No.:	631 800 55



Adapter for base mounting

Dimensions (Ø x Height):	40 mm x 30 mm
Order No.:	630 810 00



Adapter for single hole mounting

Dimensions (Ø x Height):	40 mm x 54 mm
Order No.:	630 820 00



Adapter for tube mounting

Dimensions (Ø x Height):	40 mm x 75 mm
Order No.:	630 830 00



Use our configurators at www.werma.com to put together the right tower quickly and easily.

KombiSIGN 40 - DesignLOOK

Diameter	40 mm
Dimensions optical signal element (Ø x Height)	40 mm x 58,6 mm
Protection rating	IP 66
Number of tiers possible	1-5
Interface optional	IO-Link
Life duration Optical Signal Elements/ Audible Signal Elements	50.000 h
Lens	PC, transparent

Pre-assembled signal tower

TwinLIGHT - green/yellow/red

Light effects:	LED Permanent light, LED Blinking light, adjustable via slide switch
Dimensions (Ø x Height):	40 mm x 214 mm
Voltage:	24 V AC/DC
Order No.:	639 301 01

Optical Signal Elements

TwinLIGHT

Light effects:	LED Permanent light, LED Blinking light, adjustable via slide switch
Voltage:	24 V AC/DC
Current consumption:	< 50 mA
red	634 130 75
green	634 230 75
yellow	634 330 75
white	634 430 75
blue	634 530 75

TwinFLASH

Light effects:	LED Flashing light, LED EVS light, adjustable via slide switch
Voltage:	24 V DC
Current consumption:	< 65 mA
red	634 140 55
green	634 240 55
yellow	634 340 55
white	634 440 55
blue	634 540 55

Multicolour

Light effects:	LED Permanent light
Colours:	Red, yellow, green, blue, white, violet, turquoise controlled by binary inputs
Voltage:	24 V DC
Current consumption:	< 100 mA
Order No.:	634 450 55



Audible Signal Elements

Housing: PC

2 Tone Siren

Dimensions (Ø x Height):	40 mm x 45 mm
Sound output:	85 dB (A)
Tone type:	Continuous or pulse tone, can be set via slide switch
Voltage:	24 V AC/DC
Current consumption:	< 80 mA
Order No.:	635 700 75

8 Tone Siren

Dimensions (Ø x Height):	40 mm x 68 mm
Sound output:	89-95 dB (A), can be set via slide switch
Tone type:	8 tones, can be set via slide switch
Voltage:	24 V AC/DC
Current consumption:	< 200 mA
Order No.:	635 710 75



Terminal Elements

Housing: PC

Terminal element

Dimensions (Ø x Height):	40 mm x 40 mm
Cable entry:	Cable diameter max. 9 mm
Connection:	Push-in terminal max. 1,5 mm ²
Voltage:	24 V AC/DC
Order No.:	630 700 75



IO-Link Terminal element

Dimensions (Ø x Height):	40 mm x 58,6 mm
Cable entry:	Cable diameter max. 9mm
Connection:	Push-in terminal max. 0,75 mm ²
Voltage:	24 V via IO-Link
Current consumption:	10 mA
Order No.:	631 400 55



Adapter for base mounting

Dimensions (Ø x Height):	40 mm x 30 mm
Order No.:	630 710 00



Adapter for single hole mounting

Dimensions (Ø x Height):	40 mm x 54 mm
Order No.:	630 720 00



Adapter for tube mounting

Dimensions (Ø x Height):	40 mm x 75 mm
Order No.:	630 730 00



Use our configurators at www.werma.com to put together the right tower quickly and easily.

KombiSIGN 72 - ClassicLOOK

Diameter	70 mm
Protection rating	IP 65
Number of tiers possible	1-5
Interface optional	ASi, USB, SmartMONITOR, AndonSPEED

Pre-assembled signal tower

TwinLIGHT - green/yellow/red

Light effects:	LED Permanent light, LED Blinking light, adjustable via slide switch
Dimensions (Ø x Height):	70 mm x 211,5 mm
Voltage:	24 V AC/DC
Order No.:	649 000 01



Pre-assembled signal tower

TwinLIGHT - green/yellow/red

Light effects:	LED Permanent light, LED Blinking light, adjustable via slide switch
Dimensions (Ø x Height):	70 mm x 299 mm
Voltage:	24 V AC/DC
Order No.:	649 000 02



Optical Signal Elements

Dimensions (Ø x Height):	70 mm x 65,5 mm
Lens:	PC, transparent
Life duration:	50.000 h

TwinLIGHT

Light effects:	LED Permanent light, LED Blinking light, adjustable via slide switch
Voltage:	24 V AC/DC
Current consumption:	< 80 mA
red	647 110 75
green	647 210 75
yellow	647 310 75
white	647 430 75
blue	647 510 75

TwinFLASH

Light effects:	LED Flashing light, LED EVS light, adjustable via slide switch
Voltage:	24 V DC
Current consumption:	< 80 mA
red	647 120 55
green	647 220 55
yellow	647 320 55
white	647 440 55
blue	647 520 55



Audible Signal Elements

Housing:	PC
Life duration:	5.000 h

2 Tone Siren

Dimensions (Ø x Height):	70 mm x 54 mm
Sound output:	95-105 dB (A), adjustable by slide switch
Tone type:	Permanent tone or alternating tone, selectable by slide switch
Voltage:	24 V AC/DC
Current consumption:	< 40 mA
Order No.:	645 870 75

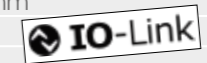


8 Tone Siren

Sound output:	86-102 dB (A), can be set via DIP switch
Tone type:	8 tones, can be set via DIP switch
Voltage:	24 V AC/DC
Current consumption:	< 30 mA
Order No.:	645 890 75

IO-Link-Element

Dimensions (Ø x Height):	70 mm x 65,5 mm
Voltage:	24 V via IO-Link
Current consumption:	< 6 mA
Order No.:	646 840 55



Terminal Elements

Dimensions (Ø x Height):	70 mm x 42,5 mm
Housing:	Terminal element: PA-GF Cap: PC
Fixing:	Base mounting, Tube mounting for tube Ø 25 mm (accessory), Bracket mounting (accessory)
Cable entry:	Cable diameter max. 11 mm
Connection:	CAGE CLAMP® technology max. 1,5 mm²
Voltage:	12-230 V AC/DC
Base mounting	640 800 00
Tube mounting	640 810 00



Accessories

Base with integrated tube	960 000 51
Bracket for 1-sided mounting	960 000 52
Bracket for base mounting	960 000 53
Bracket for tube mounting	960 000 54
Bracket for base mounting with concealed cable entry	960 000 55
Base for tube Ø 25 mm, plastic	960 000 50

KombiSIGN 72 - DesignLOOK

Diameter	70 mm
Protection rating	IP 65
Number of tiers possible	1-5
Interface optional	ASi, USB, SmartMONITOR, AndonSPEED

Pre-assembled signal tower

TwinLIGHT - green/yellow/red

Light effects:	LED Permanent light, LED Blinking light, adjustable via slide switch
Dimensions (Ø x Height):	70 mm x 211,5 mm
Voltage:	24 V AC/DC
Order No.:	649 001 01



Pre-assembled signal tower

TwinLIGHT - green/yellow/red

Light effects:	LED Permanent light, LED Blinking light, adjustable via slide switch
Dimensions (Ø x Height):	70 mm x 299 mm
Voltage:	24 V AC/DC
Order No.:	649 001 02



Optical Signal Elements

Dimensions (Ø x Height):	70 mm x 65,5 mm
Lens:	PC, transparent
Life duration:	50.000 h

TwinLIGHT

Light effects:	LED Permanent light, LED Blinking light, adjustable via slide switch
Voltage:	24 V AC/DC
Current consumption:	< 80 mA
red	647 130 75
green	647 230 75
yellow	647 330 75
white	647 430 75
blue	647 530 75

TwinFLASH

Light effects:	LED Flashing light, LED EVS light, adjustable via slide switch
Voltage:	24 V DC
Current consumption:	< 80 mA
red	647 140 55
green	647 240 55
yellow	647 340 55
white	647 440 55
blue	647 540 55



Audible Signal Elements

Housing:	PC
Life duration:	5.000 h

2 Tone Siren

Dimensions (Ø x Height):	70 mm x 54 mm
Sound output:	95-105 dB (A), adjustable by slide switch
Tone type:	Permanent tone or alternating tone, selectable by slide switch

Voltage:	24 V AC/DC
Current consumption:	< 40 mA
Order No.:	645 770 75

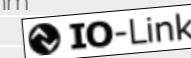


8 Tone Siren

Sound output:	86-102 dB (A), can be set via DIP switch
Tone type:	8 tones, can be set via DIP switch
Voltage:	24 V AC/DC
Current consumption:	< 30 mA
Order No.:	645 790 75

IO-Link-Element

Dimensions (Ø x Height):	70 mm x 65,5 mm
Voltage:	24 V via IO-Link
Current consumption:	< 6 mA
Order No.:	646 440 55



Terminal Elements

Dimensions (Ø x Height):	70 mm x 42,5 mm
Housing:	Terminal element: PA-GF Cap: PC
Fixing:	Base mounting, Tube mounting for tube Ø 25 mm (accessory), Bracket mounting (accessory)
Cable entry:	Cable diameter max. 11 mm
Connection:	CAGE CLAMP® technology max. 1,5 mm²
Voltage:	12-230 V AC/DC
Base mounting	640 900 00
Tube mounting	640 910 00



Accessories

Base with integrated tube	960 000 51
Bracket for 1-sided mounting	960 000 52
Bracket for base mounting	960 000 53
Bracket for tube mounting	960 000 54
Bracket for base mounting with concealed cable entry	960 000 55
Base for tube Ø 25 mm, plastic	960 000 50

SIGNAL TOWERS - PRE-ASSEMBLED

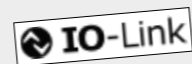
Completely pre-assembled WERMA Signal Towers can be ordered as a compact unit with a single item number, which reduces ordering and installation expenses.

Impressive features include their stylish design and diverse assembly options, allowing them to be used in a wide range of areas.

ClearSIGN

The pre-assembled ClearSIGN signal tower combines an appealing industrial design with the latest cutting-edge LED technology and an innovative interface. The version with IO-Link interface offers maximum flexibility and various light effects. The signal tower is ideally suited to modern industrial environments.

- Maximum range of colours using RGB Technology
- Visual display of fill levels and temperature conditions
- Set colours and light effects according to your needs with the IO-Link version



ClearSIGN

Dimensions (ø x Height)	103,2 mm x 320 mm
Protection rating	IP 66
Housing	PC; PC/ABS
Fixing	Base mounting
Cable entry	Cable diameter max. 11 mm
Sound output	85 dB (A)

ClearSIGN red/yellow/green/blue

Connection:	Push-In terminal max. 0,5 mm ²
Light effects:	LED Permanent light or EVS
Voltage:	24 V DC
Current consumption:	130 mA
Order No.:	656 000 03

ClearSIGN RGB-Version

Connection:	Push-In terminal max. 0,5 mm ²
Light effects:	LED Permanent light, with up to 7 colours per tier
Voltage:	24 V DC
Current consumption:	385 mA
Order No.:	656 100 01

ClearSIGN IO-Link Version without buzzer

Connection:	M12 (4-polig)
Light effects:	Various possible settings, over 1 m colour variants possible
Current consumption:	385 mA
Order No.:	656 100 02

ClearSIGN IO-Link Version with buzzer

Connection:	M12 (4-polig)
Light effects:	Various possible settings, over 1 m colour variants possible
Current consumption:	425 mA
Order No.:	656 100 03

Audible Element

Order No.:	656 000 55
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CleanSIGN

The CleanSIGN signal tower has been specifically developed and certified for use in clean rooms, food and hygiene areas as well as the pharmaceutical industry. The signal tower ensures maximum safety in these environments by reducing the risk of contamination.

- Reliable signalling even in clean rooms
- Easy-to-clean, hygienic design for optimal cleaning and disinfection
- Ensures food safety through the absence of uneven surfaces, elevated or countersunk elements where dirt can accumulate
- Use of food safe materials and resistant to cleaning agents (FDA approved)
- Application-specific selection of colours and light effects for maximum flexibility
- EHEDG and Fraunhofer IPA approval

CleanSIGN - Wall mounting

Dimensions (L x H x W)	112 mm x 485 mm x 125 mm
Protection rating	IP 67/69k
Voltage	24 V DC
Housing	PA, black
Lens	PA, transparent
Sound output	85 dB (A)



CleanSIGN red/green/yellow

Connection:	Cable, 2 m long, included in the assembly
Colours:	Pre-set colours: red/yellow/green
Voltage:	24 V DC
Current consumption:	Optical: < 120 mA per tier Buzzer: < 20 mA
Order No.:	695 300 55

CleanSIGN RGY

Connection:	Screw terminal max. 1,5 mm ²
Colours:	Colours selectable by dip-switch: red/yellow/green
Voltage:	24 V DC
Current consumption:	Optical: < 240 mA Buzzer: < 20 mA
Order No.:	695 200 55

CleanSIGN RGB

Connection:	Screw terminal max. 1,5 mm ²
Colours:	Red, yellow, green, white, blue, violet, turquoise Colours selectable by dip-switch
Light effects:	Tier-by-tier illumination: Blinking light Complete illumination: EVS
Voltage:	24 V DC
Current consumption:	Optical: < 250 mA Buzzer: < 20 mA
Order No.:	695 000 55

CleanSIGN - Ceiling mounting

Dimensions (L x H x W)	112 mm x 391 mm x 125 mm
Protection rating	IP 67/69k
Voltage	24 V DC
Housing	PA, black
Lens	PA, transparent
Sound output	85 dB (A)



CleanSIGN red/green/yellow

Connection:	Cable, 2 m long, included in the assembly
Colours:	Pre-set colours: red/yellow/green
Voltage:	24 V DC
Current consumption:	Optik: < 120 mA per tier Buzzer: < 20 mA
Order No.:	695 310 55

CleanSIGN RGY

Connection:	Screw terminal max. 1,5 mm ²
Colours:	Colours selectable by dip-switch: red/yellow/green
Voltage:	24 V DC
Current consumption:	Optical: < 240 mA Buzzer: < 20 mA
Order No.:	695 210 55

CleanSIGN RGB

Connection:	Screw terminal max. 1,5 mm ²
Colours:	Red, yellow, green, white, blue, violet, turquoise Colours selectable by dip-switch
Light effects:	Tier-by-tier illumination: Blinking light Complete illumination: EVS
Voltage:	24 V DC
Current consumption:	Optical: < 250 mA Buzzer: < 20 mA
Order No.:	695 010 55

SIGNAL BEACONS & TRAFFIC LIGHTS

WERMA's beacons and traffic lights help you indicate risks and imminent danger promptly and clearly. This allows you to make your processes safe and efficient. Simply safe. Simply better. This is what we call intelligent signal technology.



MINI SIGNAL BEACONS

The Mini Signal Beacons are used wherever space is restricted. The beacons are easy to install and connect, even in tight spaces, thanks to convenient connection terminals and easily accessible mounting holes.

- Reliable signalling at close quarters
- Available as a permanent light or as a bright Xenon flash light to attract attention
- Robust and tamper-proof



Series	201/202	211/212	221/222	204/205	214/215	224/225
Ø	58 mm	58 mm	75 mm	58 mm	58 mm	75 mm
Height	81 mm	97 mm	79 mm	107 mm	123 mm	105 mm

Technical details	
Dimensions (Ø x Height)	see comparison of size table
Voltage	24 V, 115 V, 230 V
Protection rating	IP 65
Optical	LED Permanent Light, Xenon Flash

Further versions can be found in our current catalogue or at www.werma.com

Mini Signal Beacons - Base mounting

Protection rating	IP 65
Housing	PA-GF, high impact
Cable entry	Cable diameter max. 10 mm
Fixing	Base mounting with flat seal
Connection	CAGE CLAMP® technology max. 1,5 mm ²
Life duration	Up to 100.000 h

201 - LED Permanent Light

Dimensions (Ø x Height):	58 mm x 81 mm		
Lens:	PC, transparent; Ring: PC		
Voltage:	24 V AC/DC	115 V AC	230 V AC
Current consumption:	45 mA	25 mA	25 mA
red	201 100 75	201 100 67	201 100 68
green	201 200 75	201 200 67	201 200 68
yellow	201 300 75	201 300 67	201 300 68



211 - LED Permanent Light

Dimensions (Ø x Height):	58 mm x 97 mm		
Lens:	PC, transparent; Ring: PC		
Voltage:	24 V AC/DC	115 V AC	230 V AC
Current consumption:	45 mA	25 mA	25 mA
red	211 100 75	211 100 67	211 100 68
green	211 200 75	211 200 67	211 200 68
yellow	211 300 75	211 300 67	211 300 68



221 - LED Permanent Light

Dimensions (Ø x Height):	75 mm x 79 mm		
Lens:	PC, transparent; Ring: PC/ABS-Blend		
Voltage:	24 V AC/DC	115 V AC	230 V AC
Current consumption:	45 mA	25 mA	25 mA
red	221 100 75	221 100 67	221 100 68
green	221 200 75	221 200 67	221 200 68
yellow	221 300 75	221 300 67	221 300 68



Mini Signal Beacons - Bracket mounting

Protection rating	IP 65
Housing	PA-GF, high impact
Cable entry	Cable diameter 3-6 mm
Fixing	Bracket mounting incl. cable gland M12 x 1,5 mm
Connection	CAGE CLAMP® technology max. 1,5 mm ²
Life duration	Up to 100.000 h

204 - LED Permanent Light

Dimensions (Ø x Height):	58 mm x 107 mm		
Lens:	PC, transparent; Ring: PC		
Voltage:	24 V AC/DC	115 V AC	230 V AC
Current consumption:	45 mA	25 mA	25 mA
red	204 100 75	204 100 67	204 100 68
green	204 200 75	204 200 67	204 200 68
yellow	204 300 75	204 300 67	204 300 68



214 - LED Permanent Light

Dimensions (Ø x Height):	58 mm x 123 mm		
Lens:	PC, transparent; Ring: PC		
Voltage:	24 V AC/DC	115 V AC	230 V AC
Current consumption:	45 mA	25 mA	25 mA
red	214 100 75	214 100 67	214 100 68
green	214 200 75	214 200 67	214 200 68
yellow	214 300 75	214 300 67	214 300 68



224 - LED Permanent Light

Dimensions (Ø x Height):	75 mm x 105 mm		
Lens:	PC, transparent; Ring: PC/ABS-Blend		
Voltage:	24 V AC/DC	115 V AC	230 V AC
Current consumption:	45 mA	25 mA	25 mA
red	224 100 75	224 100 67	224 100 68
green	224 200 75	224 200 67	224 200 68
yellow	224 300 75	224 300 67	224 300 68



Mini Signal Beacons - Base mounting

Protection rating	IP 65
Housing	PA-GF, high impact
Cable entry	Cable diameter max. 10 mm
Fixing	Base mounting with flat seal
Connection	CAGE CLAMP® technology max. 1,5 mm ²
Flash frequency	Ca. 0,75 Hz
Flash energy	1 Ws
Life duration	4 x 10 ⁶ Blitze

202 - Xenon Flashing Beacon

Dimensions (Ø x Height):	58 mm x 81 mm		
Lens:	PC, transparent; Ring: PC		
Voltage:	24 V AC/DC	115 V AC	230 V AC
Current consumption:	100 mA	20 mA	30 mA
red	202 100 55	202 100 67	202 100 68
yellow	202 300 55	202 300 67	202 300 68



212 - Xenon Flashing Beacon

Dimensions (Ø x Height):	58 mm x 97 mm		
Lens:	PC, transparent; Ring: PC		
Voltage:	24 V AC/DC	115 V AC	230 V AC
Current consumption:	100 mA	20 mA	30 mA
red	212 100 55	212 100 67	212 100 68
yellow	212 300 55	212 300 67	212 300 68



222 - Xenon Flashing Beacon

Dimensions (Ø x Height):	75 mm x 79 mm		
Lens:	PC, transparent; Ring: PC/ABS-Blend		
Voltage:	24 V DC	115 V AC	230 V AC
Current consumption:	100 mA	20 mA	30 mA
red	222 100 55	222 100 67	222 100 68
yellow	222 300 55	222 300 67	222 300 68



Mini Signal Beacons - Bracket mounting

Protection rating	IP 65
Housing	PA-GF, high impact
Cable entry	Cable diameter 3-6 mm
Fixing	Bracket mounting incl. cable gland M12 x 1,5 mm
Connection	CAGE CLAMP® technology max. 1,5 mm ²
Flash frequency	Ca. 0,75 Hz
Flash energy	1 Ws
Life duration	4 x 10 ⁶ Blitze

205 - Xenon Flashing Beacon

Dimensions (Ø x Height):	58 mm x 107 mm		
Lens:	PC, transparent; Ring: PC		
Voltage:	24 V AC/DC	115 V AC	230 V AC
Current consumption:	100 mA	20 mA	30 mA
red	205 100 55	205 100 67	205 100 68
yellow	205 300 55	205 300 67	205 300 68



215 - Xenon Flashing Beacon

Dimensions (Ø x Height):	58 mm x 123 mm		
Lens:	PC, transparent; Ring: PC		
Voltage:	24 V AC/DC	115 V AC	230 V AC
Current consumption:	100 mA	20 mA	30 mA
red	215 100 55	215 100 67	215 100 68
yellow	215 300 55	215 300 67	215 300 68



225 - Xenon Flashing Beacon

Dimensions (Ø x Height):	75 mm x 105 mm		
Lens:	PC, transparent; Ring: PC/ABS-Blend		
Voltage:	24 V DC	115 V AC	230 V AC
Current consumption:	100 mA	20 mA	30 mA
red	225 100 55	225 100 67	225 100 68
yellow	225 300 55	225 300 67	225 300 68
blue	225 500 55	225 500 67	225 500 68



HORNS AND SOUNDERS

Audible signals warn, protect and guide us in the modern industrial world. They function where caution, prudence and clarity are imperative, indicate emergencies and demand direct action. They are globally understood, irrespective of language, written or spoken. The versatility and robustness of WERMA horns and sirens makes them the ideal addition to your machines and systems.



DESIGN MULTI-TONE SOUNDER

WERMA Design Multi-Tone Sounders provide safety and security by providing an audible warning in applications with greater aesthetic requirements. The innovative housing design makes for simple mounting in many diverse applications.

- Ideal signalling effect over great distances
- Many application options with up to 32 tones available. Up to 3 tones can be externally triggered for the escalation of signals
- Includes standardised tones (including those used in fire alarms)

Design Multi-Tone Sounder

Protection rating **IP 65**

140 - Multi-Tone Sounder

Dimensions (Ø x Height):	100 mm x 100 mm
Housing:	PC/ABS-Blend
Connection:	Screw terminal max. 2,5 mm ²
Cable entry:	Cable gland M20 x 1,5 mm Cable gland not included in assembly

Tone types and frequencies:	Selectable via DIP switch
Installation position:	Sound outlet not facing upwards

Voltage:	9-28 V DC
Current consumption:	≤ 120 mA
red	140 150 50
white	140 950 50

Voltage:	110-240 V AC
Current consumption:	≤ 40 mA
red	140 150 60
white	140 950 60

Products with EN54-3 (VdS) approval for fire alarm applications

Voltage:	9-28 V DC
Current consumption:	≤ 120 mA
red	140 160 50
white	140 960 50

Accessories

Cable gland M20 x 1,5 mm	975 444 01
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144 - Multi-Tone Sounder

Dimensions (B x H x T):	109 mm x 112,5 mm x 152 mm		
Housing:	PC/ABS-Blend		
Connection:	24 V: Screw terminal 0,5 - 1,5 mm ² 115/230 V: CAGE CLAMP®		
Cable entry:	Membrane for cable diameter max. 13 mm		
Fixing:	Wall, base and ceiling mounting		
Tone types and frequencies:	Selectable via DIP switch		
Voltage:	24 V AC/DC	115 V AC	230 V AC
Current consumption:	200 mA	55 mA	30 mA
Order No.:	144 000 75	144 000 67	144 000 68

Accessories

Cable gland M20 x 1,5 mm (for cable strain relief)
Protecting rating IP 65 is provided even without cable gland

975 444 01



MINI BUZZERS AND HORNS

Mini Buzzers and Horns from WERMA provide safety and security by delivering a reliable audible warning when faults occur.

- Quick and easy installation
- Tamper-proof when installed
- Ideal signalling effect in close-range applications

Mini Electronic Horn

Protection rating	IP 65
Connection	Screw terminal 0,5 - 1,5 mm ²
Cable entry	Cable diameter max. 9 mm
Tone type	Horn
Tone frequency	Ca. 110 Hz
Sound output	98 dB
Life duration	> 5.000 h
Duty cycle	100 %
Installation position	Sound outlet facing downwards



584 - Horn

Dimensions (B x H x T):	83 mm x 198 mm x 91,5 mm		
Housing:	PC, PC/ABS-Blend, grey		
Fixing:	Wall mounting		
Voltage:	24 V AC/DC	115 V AC	230 V AC
Current consumption:	≤ 80 mA	≤ 70 mA	≤ 70 mA
Order No.:	584 000 75	584 000 67	584 000 68

Mini Electronic Buzzer

Protection rating	IP 65
Connection	Screw terminal with wire protection max. 1,5 mm ²
Cable entry	Cable diameter max. 9 mm
Tone type	Continuous or pulse tone, selectable
Tone frequency	2,3 kHz
Sound output	92 dB
Life duration	> 5.000 h
Duty cycle	100 %
Installation position	Sound outlet facing downwards

127 - Buzzer

Dimensions (Ø x Height):	89 mm x 64 mm		
Housing:	PC, black		
Fixing:	Base mounting, Tube mounting (accessory)		
Voltage:	24 V AC/DC	115 V AC	230 V AC
Current consumption:	≤ 15 mA	≤ 15 mA	≤ 15 mA
Order No.:	127 000 75	127 000 67	127 000 68



Accessories

Adapter for tube mounting, plastic, for tube Ø 25 mm	975 420 01
Base for tube Ø 25 mm, plastic, incl. rubber seal	975 840 90
Base for tube Ø 25 mm, metal, incl. rubber seal	975 840 91
Tube Ø 25 mm, all anodized aluminium	
100 mm	975 845 10
250 mm	975 840 25

128 - Buzzer

Dimensions (B x H x T):	83 mm x 84 mm x 91 mm		
Housing:	PC, PC/ABS-Blend, grey		
Fixing:	Wall mounting		
Voltage:	24 V AC/DC	115 V AC	230 V AC
Current consumption:	≤ 15 mA	≤ 15 mA	≤ 15 mA
Order No.:	128 000 75	128 000 67	128 000 68



OPTICAL-AUDIBLE COMBINATIONS

Large systems are often managed by only a few people, especially in automated production facilities and large machine shops. This results in optical signals not always being in the machine operator's immediate field of vision. In such cases, an audible signal may also be used. This makes the applications of your customers even safer and more reliable.



MINI COMBINATIONS

The WERMA Mini Beacon with a buzzer, siren or horn provides safety and security by providing a secure alarm warning in various applications. These optical-audible combination beacons are easy to install and connect, particularly when space is limited.

- Reliable signalling in close-range applications
- Tamper-proof when installed
- Multiple visual and audible escalation levels possible

Technical details	
Dimensions (ø x Height)	89 x 100,5 mm
Dimensions (B x H x T)	83 x 120,5 x 91 mm 83 x 234,5 x 91 mm
Voltage	24 V, 115 V, 230 V
Protection rating	IP 65
Audible	Buzzer, Multi-tone sounder, Horn
Optical	LED Permanent Light, Xenon Flash

Mini Combination - Base / Tube mounting

Protection rating	IP 65
Dimensions (Ø x Height):	89 mm x 100,5 mm
Housing	PC, black
Lens	PC, transparent
Connection	Screw terminal with wire protection max. 1,5 mm ²
Cable entry	Cable diameter max. 9 mm
Fixing	Tube mounting via accessory
Tone type	Continuous tone or pulse tone, adjustable. 12 V only continuous tone
Tone frequency	2,3 kHz (ca. 3,3 kHz bei 12 V)

420 - LED Permanent Light / Buzzer

Life duration:	Up to 50.000 h			
Voltage:	12 V DC	24 V AC/DC	115 V AC	230 V AC
Current consumption LED:	80 mA	45 mA	25 mA	25 mA
Current consumption Buzzer:	40 mA	15 mA	15 mA	25 mA
red	420 110 54	420 110 75	420 110 67	420 110 68
yellow	420 310 54	420 310 75	420 310 67	420 310 68



421 - Xenon Flash / Buzzer

Life duration:	4 x 10 ⁶ flashes		
Flash energy:	1 Ws		
Flash frequency:	1 Hz		
Voltage:	24 V AC/DC	115 V AC	230 V AC
Current consumption Flash:	120 mA	25 mA	35 mA
Current consumption Buzzer:	15 mA	15 mA	25 mA
red	421 110 75	421 110 67	421 110 68
yellow	421 310 75	421 310 67	421 310 68

Accessories

Adaptor for tube mounting, plastic, for tube Ø 25 mm	975 420 01
Base for tube Ø 25 mm, plastic, incl. rubber seal	975 840 90
Base for tube Ø 25 mm, metal, incl. rubber seal	975 840 91
Tube Ø 25 mm, all anodized aluminium	975 845 10
100 mm	975 840 25
250 mm	

Mini Combination - Wall mounting

Protection rating	IP 65
Dimensions (Ø x Height):	83 mm x 120,5 mm x 91 mm
Housing	PC/ABS-Blend; PC grey
Lens	PC, transparent
Connection	Screw terminal with wire protection max. 1,5 mm ²
Cable entry	Cable diameter max. 9 mm
Fixing	Sound outlet facing downwards
Tone type	Continuous tone or pulse tone, adjustable. 12 V only continuous tone
Tone frequency	2,3 kHz (ca. 3,3 kHz at 12 V)

422 - LED Permanent Light / Buzzer

Life duration:	Up to 50.000 h			
Voltage:	12 V DC	24 V AC/DC	115 V AC	230 V AC
Current consumption LED:	80 mA	45 mA	25 mA	25 mA
Current consumption Buzzer:	40 mA	15 mA	15 mA	25 mA
red	422 110 54	422 110 75	422 110 67	422 110 68
yellow	-	422 310 75	422 310 67	422 310 68



423 - Xenon Flash / Buzzer

Life duration:	4 x 10 ⁶ flashes		
Flash energy:	1 Ws		
Flash frequency:	1 Hz		
Voltage:	24 V AC/DC	115 V AC	230 V AC
Current consumption Flash:	120 mA	25 mA	35 mA
Current consumption Buzzer:	15 mA	15 mA	25 mA
red	423 110 75	423 110 67	423 110 68
yellow	423 310 75	423 310 67	423 310 68

Accessories

Adaptor for tube mounting, plastic, for tube Ø 25 mm	975 420 01
Base for tube Ø 25 mm, plastic, incl. rubber seal	975 840 90
Base for tube Ø 25 mm, metal, incl. rubber seal	975 840 91
Tube Ø 25 mm, all anodized aluminium	975 845 10
100 mm	975 840 25
250 mm	

Mini Combination - Base/Tube mounting

Protection rating	IP 65
Dimensions (Ø x Height):	89 mm x 100,5 mm
Housing	PC, black
Lens	PC, transparent
Connection	Screw terminal with wire protection max. 1,5 mm ²
Cable entry	Cable diameter max. 9 mm
Fixing	Tube mounting via accessory
Tone type	Selectable, see table below
Tone frequency	See table

420 - LED Permannet Light / Multi-Tone Sounder

Life duration:	Up to 50.000 h
Voltage:	24 V AC/DC
Current consumption LED:	45 mA
Current consumption MTS:	80 mA
red	420 120 75
yellow	420 320 75



421 - Xenon Flash / Multi-Tone Sounder

Life duration:	4 x 10 ⁶ flashes
Flash energy:	1 Ws
Flash frequency:	1 Hz
Voltage:	24 V AC/DC
Current consumption Flash:	120 mA
Current consumption MTS:	80 mA
red	421 120 75
yellow	421 320 75

Tone types and frequencies

Tone	Tone type
1	Horn tone (ca. 110 Hz)
2	Continuous tone (ca. 3,0 KHz)
3	1 Hz tone (ca. 3,0 KHz)
4	20 Hz whistle tone (ca. 3,0 KHz)
5	800-970 Hz rising @ 1 Hz
6	2400-2850 Hz rising @ 7 H
7	1200-500 Hz falling @ 1 Hz
8	Alternating tone 800 Hz / 1200 Hz @ 1Hz

Mini Combination - Wall mounting

Protection rating	IP 65
Dimensions (Ø x Height):	83 mm x 120,5 mm x 91 mm
Housing	PC/ABS-Blend; PC grey
Lens	PC, transparent
Connection	Screw terminal with wire protection max. 1,5 mm ²
Cable entry	Cable diameter max. 9 mm
Fixing	Sound outlet facing downwards
Tone type	Selectable, see table below
Tone frequency	See table

422 - LED Permannet Light / Multi-Tone Sounder

Life duration:	Up to 50.000 h
Voltage:	24 V AC/DC
Current consumption LED:	45 mA
Current consumption MTS:	80 mA
red	422 120 75
yellow	422 320 75



423 - Xenon Flash / Multi-Tone Sounder

Life duration:	4 x 10 ⁶ flashes
Flash energy:	1 Ws
Flash frequency:	1 Hz
Voltage:	24 V AC/DC
Current consumption Flash:	120 mA
Current consumption MTS:	80 mA
red	423 120 75
yellow	423 320 75

Tone types and frequencies

Tone	Tone type
1	Horn tone (ca. 110 Hz)
2	Continuous tone (ca. 3,0 KHz)
3	1 Hz tone (ca. 3,0 KHz)
4	20 Hz whistle tone (ca. 3,0 KHz)
5	800-970 Hz rising @ 1 Hz
6	2400-2850 Hz rising @ 7 H
7	1200-500 Hz falling @ 1 Hz
8	Alternating tone 800 Hz / 1200 Hz @ 1Hz

Mini Combination - Wall mounting

Protection rating	IP 65
Dimensions (B x H x T):	83 mm x 234,5 mm x 91 mm
Housing	PC/ABS-Blend; PC grey
Lens	PC, transparent
Connection	Screw terminal with wire protection max. 1,5 mm ²
Cable entry	Cable diameter max. 9 mm
Fixing	Wall mounting, Sound outlet facing downwards
Tone type	Horn
Tone frequency	110 Hz

424 - LED Permanent Light / Horn

Life duration:	50.000 h (LED Permanent light) 5.000 h (Horn)		
Voltage:	24 V AC/DC	115 V AC	230 V AC
Current consumption LED:	45 mA	25 mA	25 mA
Current consumption Horn:	80 mA	70 mA	70 mA
red	424 120 75	424 120 67	424 120 68
yellow	424 320 75	424 320 67	424 320 68



425 - Xenon Flash / Horn

Life duration:	4 x 10 ⁶ Blitze (Xenon Flash) 5.000 h (Horn)		
Flash energy:	1 Ws		
Flash frequency:	1 Hz		
Voltage:	24 V AC/DC	115 V AC	230 V AC
Current consumption Flash:	120 mA	30 mA	30 mA
Current consumption Horn:	80 mA	70 mA	70 mA
red	425 120 75	425 120 67	425 120 68
yellow	425 320 75	425 320 67	425 320 68



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