Kombi*SIGN* 40 - Modular Signal Tower

Your benefits

There is no need to compromise with the Kombi*SIGN* 40, because WERMA has combined quick installation, excellent visibility and the highest level of flexibility in this product. This saves time and money with regard to installation and order logistics.

- Save up to 50% on installation time thanks to self-explanatory connections and intuitive mechanics
- Maximum flexibility despite a small number of variants
- Twin*LIGHT* and Twin*FLASH* combine two easily selectable light effects in one element
- In Classic*LOOK* or Design*LOOK* to suit all machine surfaces
- Clearly visible from all positions thanks to the Omni*VIEW* lens with no blind spots
- Pre-configured standard versions are available (common configurations as a complete tower with a single part number)

Typical applications

Fault signalling

- on machinery and equipment
- on automated systems
- in assembly plants, for example, in the automotive industry

Installation options

- Base mounting
- Tube mounting
- Single-hole mounting
- Additional Installation options using accessories

Features

- Multicolour element offers up to seven colours in a single element
- High IP66/69k protection rating prevents ingress of dust and water
- Compact and high-output 95 dB siren
- Optionally available with IO-Link technology
- IP69k allows high pressure washing

IO-Link

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Size comparison Kombi*SIGN* 40/72

Signalisation Index			
Optical		**Audible**	
LED Permanent Light	2	Continuous tone	3
LED Blinking Light	4	Pulse tone	4
LED Flashing Light	5	Multi tone	5
LED EVS Light	5		

TECO
sales@tecotechnology.com
tecotechnology.com

Request a Quote

How to assemble your Kombi*SIGN* 40 signal tower

Classic*LOOK*

Design*LOOK*

▸ STEP 1
Select the required optical or audible elements.
Order numbers can be found on page 29.

Audible Signal Element
- 8 tone siren
- 2 tone siren

Optical Signal Elements
- Twin*LIGHT*
- Twin*FLASH*
- LED Permanent light element multicolour

▸ STEP 2
Select the terminal element and appropriate mounting solution for your application.

Terminal element
Order no. **630 800 75**
or
IO Link terminal element
Order no. **631 800 55**

Terminal element
Order no. **630 700 75**
or
IO Link terminal element
Order no. **631 400 55**

▸ STEP 3
<u>Optional:</u>
Where appropriate, select the Extension tube. Can be installed between the terminal element and the mounting adapter.

Extension tube
Order no.
960 630 03

Extension tube
Order no.
960 630 07

▸ STEP 4
Select mounting adapter as required.

Tube Mounting

Adapter for tube mounting
Order no.
630 830 00

Single Hole Mounting

Adapter for single hole mounting
Order no.
630 820 00

Base Mounting

Adapter for base mounting
Order no.
630 810 00

Tube Mounting

Adapter for tube mounting
Order no.
630 730 00

Single Hole Mounting

Adapter for single hole mounting
Order no.
630 720 00

Base Mounting

Adapter for base mounting
Order no.
630 710 00

▸ STEP 5
Where appropriate, select the bracket.

Bracket for assembly on aluminium profiles
Order no.
960 630 02

Bracket for concealed cable entry
Order no.
960 630 01

Bracket for assembly on aluminium profiles
Order no.
960 630 06

Bracket for concealed cable entry
Order no.
960 630 05

Further accessories can be found in our main catalogue page 64 or at **www.werma.com**.

Kombi*SIGN* 40 - Modular Signal Tower

Or use one of our pre-configured signal towers. With just one part number you can obtain the most popular configurations.

Kombi*SIGN* 40 Signal Tower
in Classic*LOOK* und Design*LOOK*

ⓘ TECHNICAL SPECIFICATIONS/ORDER SPECIFICATIONS:

Pre-configured signal tower	**Classic*LOOK***	**Design*LOOK***
Dimensions (Ø x Height):	40 mm x 214 mm	
Voltage:	24 V AC/DC	
Twin*LIGHT* green/yellow/red	**639 300 01**	**639 301 01**
Consisting of:		

634 110 75
+ 634 310 75
+ 634 210 75
+ 630 800 75
+ 630 810 00

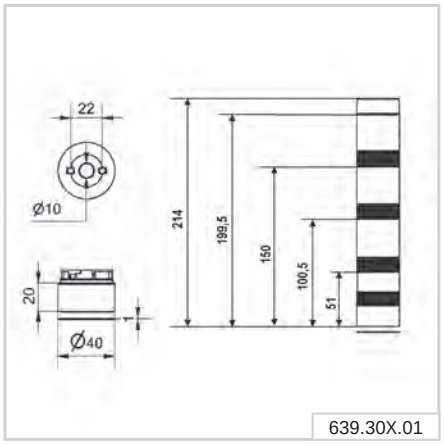
634 130 75
+ 634 330 75
+ 634 230 75
+ 630 700 75
+ 630 710 00

Technical details are given on the relevant product page.

🛠 ACCESSORIES

	Classic*LOOK*	**Design*LOOK***
Bracket for concealed cable entry	**960 630 01**	**960 630 05**

↔ TECHNICAL DIAGRAMS:



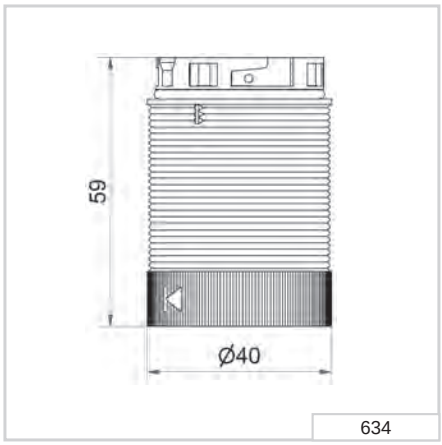
Kombi*SIGN* 40 - Optical Signal Elements

Kombi*SIGN* 40 Signal Tower
in Classic*LOOK* and Design*LOOK*

ⓘ TECHNICAL SPECIFICATIONS/ORDER SPECIFICATIONS:

	Classic*LOOK*	Design*LOOK*
Dimensions (Ø x Height):	40 mm x 59 mm	
Lens:	PC, transparent	
Life duration:	50,000 hrs	
Twin*LIGHT*		
Light effects:	LED Permanent or Blinking light, adjustable via slide switch	
Voltage:	24 V AC/DC	
Current consumption:	< 30 mA	
red	**634 110 75**	**634 130 75**
green	**634 210 75**	**634 230 75**
yellow	**634 310 75**	**634 330 75**
white	**634 430 75**	**634 430 75**
blue	**634 510 75**	**634 530 75**
Twin*FLASH*		
Light effect:	LED Flash light or EVS, adjustable via DIP-Switch	
Voltage:	24 V DC	
Current consumption:	< 65 mA	
red	**634 120 55**	**634 140 55**
green	**634 220 55**	**634 240 55**
yellow	**634 320 55**	**634 340 55**
white	**634 440 55**	**634 440 55**
blue	**634 520 55**	**634 540 55**
Multicolour		
Light effect:	LED Permanent light	
Colours:	Red, yellow, green, blue, white, violet, turquoise controlled by binary inputs	
Voltage:	24 V DC	
Current consumption:	< 60 mA	
Order No.:	**634 450 55**	**634 450 55**

↔ TECHNICAL DIAGRAMS:



Class 2

Kombi*SIGN* 40 - Audible Signal Elements

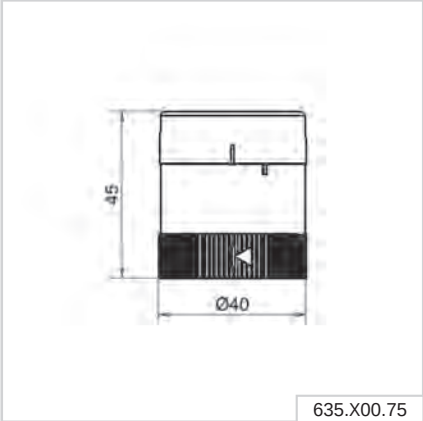
8 tone Kombi*SIGN* 40 siren
in Design*LOOK*

2 tone Kombi*SIGN* 40 siren
in Classic*LOOK*

ⓘ TECHNICAL SPECIFICATIONS/ORDER SPECIFICATIONS:

	Classic*LOOK*	Design*LOOK*
Housing:	PC	
Life duration:	5,000 hrs	
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**	**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.	**635 810 75**	**635 710 75**

↔ TECHNICAL DIAGRAMS:



635.X00.75

635.X10.75

Class 2

635 X00 75

635 X10 75

635 X00 75

635 X10 75

Kombi*SIGN* 40 - Terminal Elements

Kombi*SIGN* 40 Design*LOOK* assembly adapter for single hole mounting

Kombi*SIGN* 40 Classic*LOOK* assembly adapter for base mounting

Kombi*SIGN* 40 Design*LOOK* assembly adapter for tube mounting

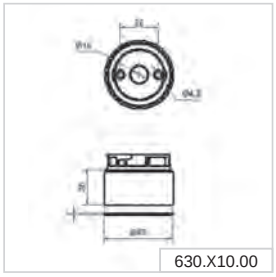
ⓘ TECHNICAL SPECIFICATIONS/ORDER SPECIFICATIONS:

	Classic*LOOK*	Design*LOOK*
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	
Number of tiers possible:	Max. 5	
Voltage:	24 V AC/DC	
Order No.	**630 800 75**	**630 700 75**
IO Link Terminal element		
Dimensions (Ø x Height):	40 mm x 59 mm	
Cable entry:	Cable diameter max. 9 mm	
Connection:	Push-in terminal max. 0.75 mm^2	
Number of tiers possible:	Max. 5	
Voltage:	24 V via IO-Link	
Current consumption:	10 mA	
Order No.	**631 800 55**	**631 400 55**
Adapter for base mounting		
Dimensions (Ø x Height):	40 mm x 30 mm	
Order No.	**630 810 00**	**630 710 00**
Adapter single hole mounting		
Dimensions (Ø x Height):	40 mm x 54 mm	
Order No.	**630 820 00**	**630 720 00**
Adapter tube mounting		
Dimensions (Ø x Height):	40 mm x 75 mm	
Order No.	**630 830 00**	**630 730 00**

🛠 ACCESSORIES: SEE PAGE 27

↔ TECHNICAL DIAGRAMS:

630.X00.75



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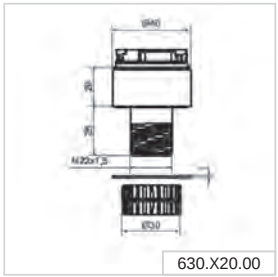
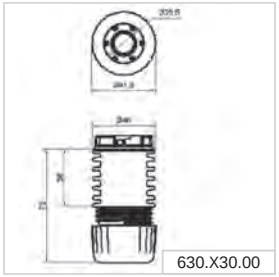


630.X20.00

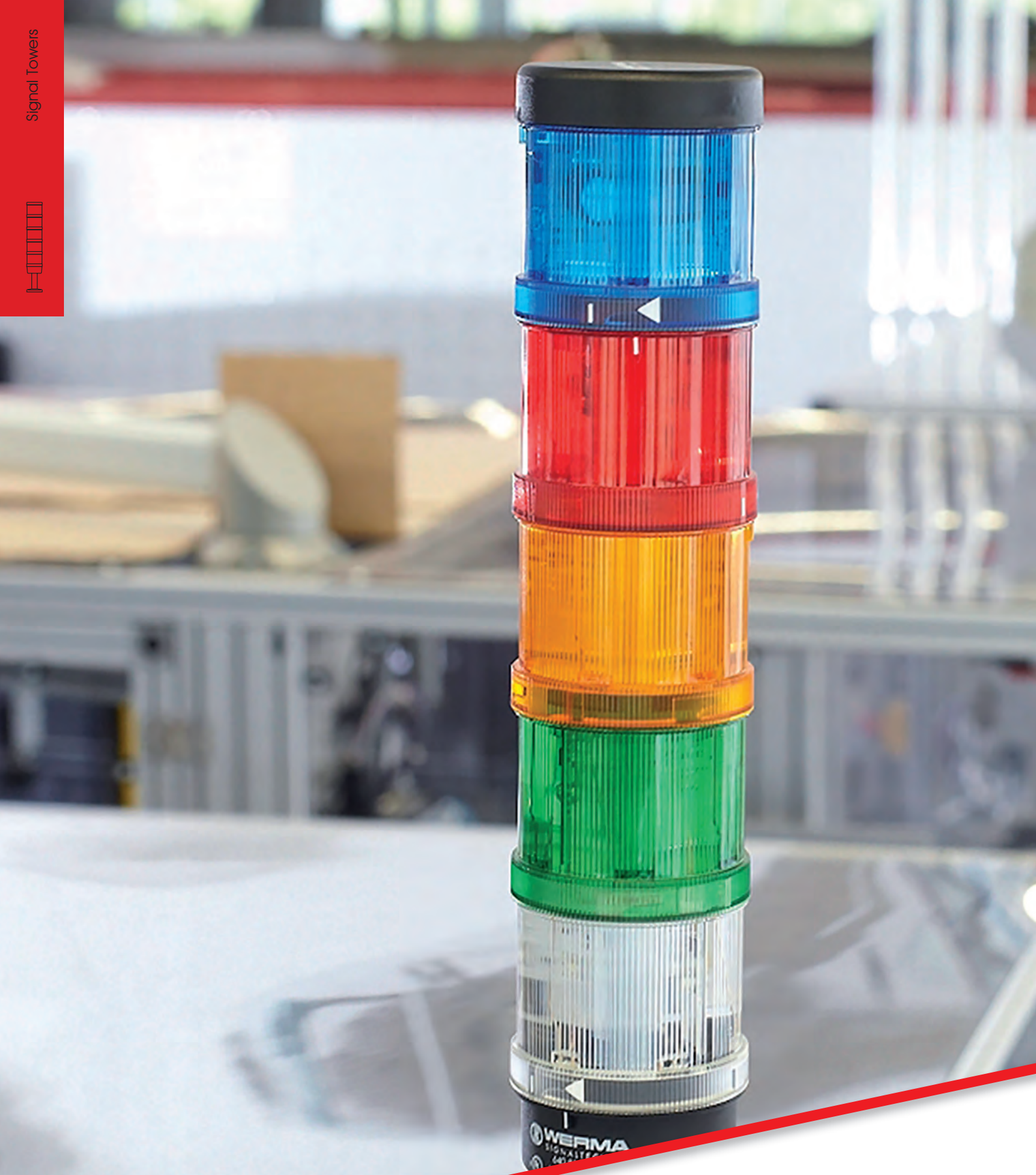


630.X30.00

631.X00.55

Class 2

630 X00 75 | 630 X10 00 | 630 X20 00 | 630 X30 00


WERMA

Overview Signal Towers

Whether they are used on machinery and equipment, manual workstations or for access control and point-of-sale systems, WERMA signal towers reliably signal different statuses, such as faults or material replenishment requests. Professional signalling provides your application with greater safety and security and considerably reduces response times. The urgency of the signal can be easily increased using different signal elements. This enables employees to immediately react to faults and quickly resolve any problems that arise.

Monitor your processes, make them reliable and keep them running - saving time and money.
We call this intelligent signalling technology.

Overview Signal Towers					
Product type		**modular**	**modular**	**modular**	**pre-assembled**
Technical details	**Product range**	**Kombi*SIGN* 40**	**Kombi*SIGN* 72**	**Kombi*SIGN* 71**	**KOMPAKT 37**
Diameter*		40 mm	70 mm	70 mm	37.5 mm
Dimensions*					
Voltage	12 V				●
	24 V	●	●	●	●
	115 V			●	
	230 V			●	
Protection rating		IP 66/69k	IP 65	IP 65	IP 65
Number of tiers possible		1-5	1-5	1-5	1-5
Optical Signalisation Index**		**3-5**	**4-6**	**2-6**	**3**
Audible Signalisation Index**		**3-5**	**5-6**	**3-6**	**4**
Interface		I/O-Link	ASi, USB, I/O-Link, Smart*MONITOR*	ASi, USB, I/O-Link, Smart*MONITOR*	
Page		Page 26	Page 32	Page 38	Page 48

* Technical diagrams can be found on the product page

** Signalisation Index – see page 13 + 21

Modular Signal Towers

Optical and audible signal elements can be combined flexibly in the modular signal towers. The modular design also enables customers to add other elements separately when required. The mechanical and electrical connection of the signal tower elements takes mere seconds thanks to the bayonet fitting.

Completely pre-assembled Signal Towers

Completely pre-assembled WERMA Signal Towers can be ordered as a compact unit with a single part number, which reduces ordering and installation effort. Impressive features include their stylish design and diverse installation options, allowing them to be used in a wide range of areas.

pre-assembled	**pre-assembled**	**pre-assembled**	**pre-assembled**	**pre-assembled**	**pre-assembled**
de*SIGN* 42	**Clear*SIGN***	**Clean*SIGN***	**Flat*SIGN***	**Vario*SIGN***	**Ex Signal Tower**
42 mm	40 mm	70 mm	-	-	37.5 mm
	Ø 104 mm	112 mm x 125 mm	195 mm x 105 mm	62 mm x 90 mm	76 mm x 75 mm
●	●	●	●	●	●
			●		
			●		
IP 65	IP 66	IP 67/IP 69k	IP 65	IP 65	IP 65
2-3	3-4	3	3	3	2-3
3	**3-4**	**3-5**	**2-3**	**3-5**	**3**
	3	**3**	**2**	**3**	
	I/O-Link				
Page 52	Page 54	Page 56	Page 58	Page 60	Page 62

Kombi*SIGN* 40 - Modular Signal Tower

Your benefits

There is no need to compromise with the Kombi*SIGN* 40, because WERMA has combined quick installation, excellent visibility and the highest level of flexibility in this product. This saves time and money with regard to installation and order logistics.

- Save up to 50% on installation time thanks to self-explanatory connections and intuitive mechanics
- Maximum flexibility despite a small number of variants
- Twin*LIGHT* and Twin*FLASH* combine two easily selectable light effects in one element
- In Classic*LOOK* or Design*LOOK* to suit all machine surfaces
- Clearly visible from all positions thanks to the Omni*VIEW* lens with no blind spots
- Pre-configured standard versions are available (common configurations as a complete tower with a single part number)

Typical applications

Fault signalling

- on machinery and equipment
- on automated systems
- in assembly plants, for example, in the automotive industry

Installation options

- Base mounting
- Tube mounting
- Single-hole mounting
- Additional Installation options using accessories

Features

- Multicolour element offers up to seven colours in a single element
- High IP66/69k protection rating prevents ingress of dust and water
- Compact and high-output 95 dB siren
- Optionally available with IO-Link technology
- IP69k allows high pressure washing

IO-Link

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Size comparison Kombi*SIGN* 40/72

Signalisation Index			
Optical		**Audible**	
LED Permanent Light	2	Continuous tone	3
LED Blinking Light	4	Pulse tone	4
LED Flashing Light	5	Multi tone	5
LED EVS Light	5		

How to assemble your Kombi*SIGN* 40 signal tower

Classic*LOOK*

Design*LOOK*

▸ STEP 1
Select the required optical or audible elements.
Order numbers can be found on page 29.

Audible Signal Element
- 8 tone siren
- 2 tone siren

Optical Signal Elements
- Twin*LIGHT*
- Twin*FLASH*
- LED Permanent light element multicolour

▸ STEP 2
Select the terminal element and appropriate mounting solution for your application.

Terminal element
Order no. **630 800 75**
or
IO Link terminal element
Order no. **631 800 55**

Terminal element
Order no. **630 700 75**
or
IO Link terminal element
Order no. **631 400 55**

▸ STEP 3
<u>Optional:</u>
Where appropriate, select the Extension tube. Can be installed between the terminal element and the mounting adapter.

Extension tube
Order no.
960 630 03

Extension tube
Order no.
960 630 07

▸ STEP 4
Select mounting adapter as required.

Tube Mounting

Adapter for tube mounting
Order no.
630 830 00

Single Hole Mounting

Adapter for single hole mounting
Order no.
630 820 00

Base Mounting

Adapter for base mounting
Order no.
630 810 00

Tube Mounting

Adapter for tube mounting
Order no.
630 730 00

Single Hole Mounting

Adapter for single hole mounting
Order no.
630 720 00

Base Mounting

Adapter for base mounting
Order no.
630 710 00

▸ STEP 5
Where appropriate, select the bracket.

Bracket for assembly on aluminium profiles
Order no.
960 630 02

Bracket for concealed cable entry
Order no.
960 630 01

Bracket for assembly on aluminium profiles
Order no.
960 630 06

Bracket for concealed cable entry
Order no.
960 630 05

Further accessories can be found in our main catalogue page 64 or at **www.werma.com**.

Kombi*SIGN* 40 - Modular Signal Tower

Or use one of our pre-configured signal towers. With just one part number you can obtain the most popular configurations.

Kombi*SIGN* 40 Signal Tower
in Classic*LOOK* und Design*LOOK*

ⓘ TECHNICAL SPECIFICATIONS/ORDER SPECIFICATIONS:

Pre-configured signal tower	**Classic*LOOK***	**Design*LOOK***
Dimensions (Ø x Height):	40 mm x 214 mm	
Voltage:	24 V AC/DC	
Twin*LIGHT* green/yellow/red	**639 300 01**	**639 301 01**
Consisting of:		

634 110 75
+ 634 310 75
+ 634 210 75
+ 630 800 75
+ 630 810 00

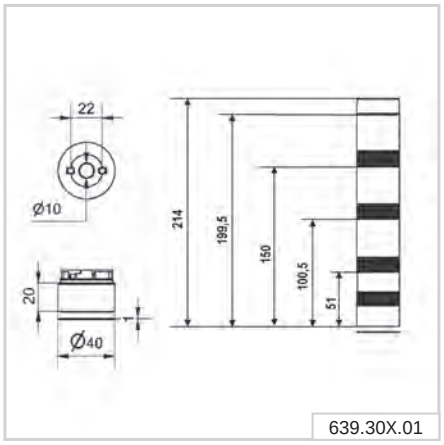
634 130 75
+ 634 330 75
+ 634 230 75
+ 630 700 75
+ 630 710 00

Technical details are given on the relevant product page.

🛠 ACCESSORIES

	Classic*LOOK*	**Design*LOOK***
Bracket for concealed cable entry	**960 630 01**	**960 630 05**

↔ TECHNICAL DIAGRAMS:



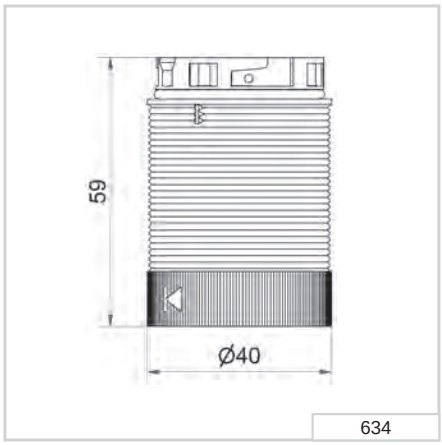
Kombi*SIGN* 40 - Optical Signal Elements

Kombi*SIGN* 40 Signal Tower
in Classic*LOOK* and Design*LOOK*

ⓘ TECHNICAL SPECIFICATIONS/ORDER SPECIFICATIONS:

	Classic*LOOK*	Design*LOOK*
Dimensions (Ø x Height):	40 mm x 59 mm	
Lens:	PC, transparent	
Life duration:	50,000 hrs	
Twin*LIGHT*		
Light effects:	LED Permanent or Blinking light, adjustable via slide switch	
Voltage:	24 V AC/DC	
Current consumption:	< 30 mA	
red	**634 110 75**	**634 130 75**
green	**634 210 75**	**634 230 75**
yellow	**634 310 75**	**634 330 75**
white	**634 430 75**	**634 430 75**
blue	**634 510 75**	**634 530 75**
Twin*FLASH*		
Light effect:	LED Flash light or EVS, adjustable via DIP-Switch	
Voltage:	24 V DC	
Current consumption:	< 65 mA	
red	**634 120 55**	**634 140 55**
green	**634 220 55**	**634 240 55**
yellow	**634 320 55**	**634 340 55**
white	**634 440 55**	**634 440 55**
blue	**634 520 55**	**634 540 55**
Multicolour		
Light effect:	LED Permanent light	
Colours:	Red, yellow, green, blue, white, violet, turquoise controlled by binary inputs	
Voltage:	24 V DC	
Current consumption:	< 60 mA	
Order No.:	**634 450 55**	**634 450 55**

↔ TECHNICAL DIAGRAMS:



Class 2

Kombi*SIGN* 40 - Audible Signal Elements

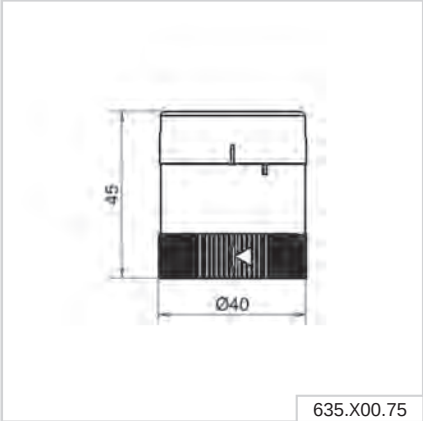
8 tone Kombi*SIGN* 40 siren
in Design*LOOK*

2 tone Kombi*SIGN* 40 siren
in Classic*LOOK*

ⓘ TECHNICAL SPECIFICATIONS/ORDER SPECIFICATIONS:

	Classic*LOOK*	Design*LOOK*
Housing:	PC	
Life duration:	5,000 hrs	
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**	**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.	**635 810 75**	**635 710 75**

↔ TECHNICAL DIAGRAMS:



635.X00.75

635.X10.75

Class 2

635 X00 75

635 X10 75

635 X00 75

635 X10 75

Kombi*SIGN* 40 - Terminal Elements

Kombi*SIGN* 40 Design*LOOK* assembly adapter for single hole mounting

Kombi*SIGN* 40 Classic*LOOK* assembly adapter for base mounting

Kombi*SIGN* 40 Design*LOOK* assembly adapter for tube mounting

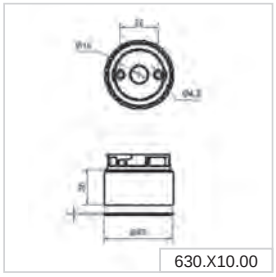
ⓘ TECHNICAL SPECIFICATIONS/ORDER SPECIFICATIONS:

	Classic*LOOK*	Design*LOOK*
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	
Number of tiers possible:	Max. 5	
Voltage:	24 V AC/DC	
Order No.	**630 800 75**	**630 700 75**
IO Link Terminal element		
Dimensions (Ø x Height):	40 mm x 59 mm	
Cable entry:	Cable diameter max. 9 mm	
Connection:	Push-in terminal max. 0.75 mm^2	
Number of tiers possible:	Max. 5	
Voltage:	24 V via IO-Link	
Current consumption:	10 mA	
Order No.	**631 800 55**	**631 400 55**
Adapter for base mounting		
Dimensions (Ø x Height):	40 mm x 30 mm	
Order No.	**630 810 00**	**630 710 00**
Adapter single hole mounting		
Dimensions (Ø x Height):	40 mm x 54 mm	
Order No.	**630 820 00**	**630 720 00**
Adapter tube mounting		
Dimensions (Ø x Height):	40 mm x 75 mm	
Order No.	**630 830 00**	**630 730 00**

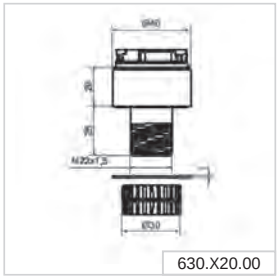
🛠 ACCESSORIES: SEE PAGE 27

↔ TECHNICAL DIAGRAMS:

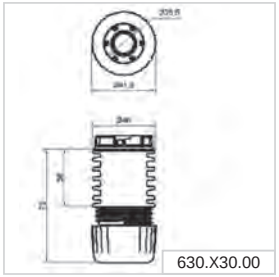
630.X00.75



630.X10.00



630.X20.00



630.X30.00

631.X00.55

Class 2

630 X00 75 | 630 X10 00 | 630 X20 00 | 630 X30 00

Flat*SIGN* - pre-assembled Signal Tower

Your benefits

The curved front of the Flat*SIGN* signal tower housing enables it to blend in uniformly with machine and building service applications. The 160-degree visibility angle ensures exceptional visibility even from the side.

- Easy to install – also on flush-mount enclosures
- Twin*LIGHT* combines two easily selectable light effects

Typical applications

Fault signalling or Access control

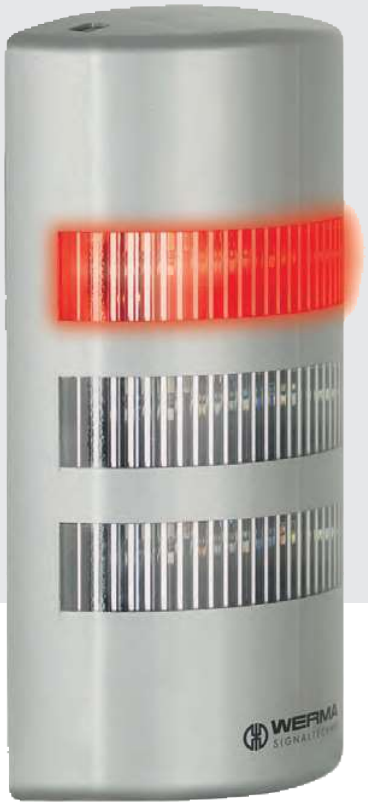
- in building service applications (e.g. server and equipment rooms)
- at access points in public areas

Installation options

- Wall mounting
- Additional installation options using accessories

Features

- Permanent or blinking light selectable
- Available with transparent housing or in metal design
- Optional integrated audible signal



TwinLIGHT

Size comparison Flat*SIGN* / Kombi*SIGN* 72

Signalisation Index			
Optical		**Audible**	
LED Permanent Light	2	Continuous tone	2
LED Blinking Light	3	Multi-tone Sounder	4

In its inactive state, the signal tower blends into the background thanks to its colourless, translucent housing

Flat*SIGN* in metallic finish

The fixing kit consists of two tube clamps and an adaptor (accessory)

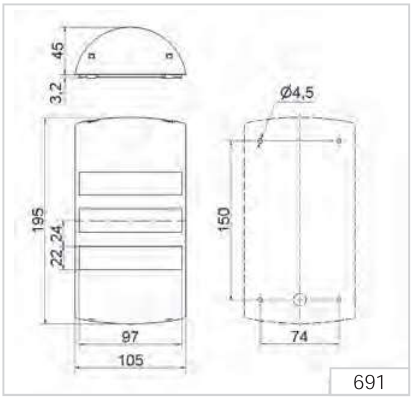
TECHNICAL SPECIFICATIONS/ORDER SPECIFICATIONS:

Dimensions (L x H x W):	105 mm x 195 mm x 45 mm	
Lower part:	PC-ABS, black	
Upper part:	PC, transparent or silver	
Fixing:	Wall mounting	
Cable entry:	Cable diameter max. 11 mm	
Connection:	Screw terminal max. 1.5 mm^2	
Light effects:	Permanent or blinking light selectable	
Audible signal:	Buzzer or multi-tone sounder (8 tones)	
Sound output:	Max. 80 dB (A)	
Colours:	Green, yellow, red	
	Multi-tone Sounder	**Buzzer (Continuous tone)**
Voltage:	24 V DC	115-230 V AC
Current consumption:	Optical: 30 mA per tier Audible: 30 mA	
Flat*SIGN* with transparent housing		
Flat*SIGN* without audible signal	**691 100 55**	**691 100 68**
Flat*SIGN* with audible signal	**691 200 55**	**691 200 68**
Flat*SIGN* in Metal Design		
Flat*SIGN* without audible signal	**691 300 55**	**691 300 68**
Flat*SIGN* with audible signal	**691 400 55**	**691 400 68**

ACCESSORIES:

Fixing Kit	**975 691 01**

TECHNICAL DIAGRAMS:



Max.

691.X00.55