

# LED/Buzzer Combination with acknowledgement function



- LED permanent light with additional continuous tone
- Silence the audible signal by lightly pressing the frontal area
- Life duration up to 50,000 hrs
- Potential-free output for transmission of the acknowledgement signal to the control unit
- Positive and negative logic

Life duration up to 50,000 hrs

## TECHNICAL SPECIFICATIONS:

<b>Dimensions</b> (Diameter x Height):	50 mm x 22 mm (Protrusion from panel)
<b>Housing:</b>	PC/ABS-Blend
<b>Lens:</b>	PC, transparent
<b>Connection:</b>	Screw terminal max. 0.5 mm <sup>2</sup>
<b>Signal input:</b>	24 V =
<b>Acknowledgement output:</b>	Semiconductor-Relay $U_{max} = 30 V$ $I_{max} = 100 mA$ $R_{ON max} = 25 Ohm$
<b>Tone type:</b>	Continuous
<b>Tone frequency:</b>	c. 2.8 kHz
<b>Duty cycle:</b>	100 %
<b>Life duration:</b>	Up to 50,000 hrs (LED)
<b>Fixing:</b>	Installation mounting for $\varnothing 22,5$ mm (M 22 x 1.5 mm) with anti-twist device

Nut and seal included in assembly.



The audible signal can be turned off in seconds by lightly pressing the front of the product

## ORDER SPECIFICATIONS:

Voltage	24 V =
Current consumption	40-80 mA
red	<b>450 100 55</b>
yellow	<b>450 300 55</b>



## ADDITIONAL INFORMATION:

1

The occurrence of a malfunction or an error is indicated by means of an optical-audible signal.

2

The audible signal can be turned off in seconds by lightly pressing the front of the product.

3

The acknowledgement signal is sent to the control unit via an electronic switch and the malfunction is now only indicated by the optical signal.

## TECHNICAL DIAGRAMS:

see page 273



# LED/Buzzer Combination with acknowledgement function for AS-Interface



- LED Permanent light with additional continuous tone
- Silence the audible signal by lightly pressing the frontal area
- Acknowledgement signal fed back to the Master via AS-Interface Bus
- Life duration up to 50,000 hrs

## TECHNICAL SPECIFICATIONS:

Life duration up to 50,000 hrs

<b>Dimensions</b> (Ø x Height):	50 mm x 22 mm (Protrusion from panel)
<b>Housing:</b>	PC, black
<b>Lens:</b>	PC, transparent
<b>Connection:</b>	Screw terminal with wire protection max. 1.5 mm <sup>2</sup>
<b>Power supply AS-Interface:</b>	Via bus conduction
<b>Operating voltage:</b>	25 V ... 31.6 V according to the AS-Interface specification
<b>IO-Code:</b>	B <sub>hex</sub>
<b>ID-Code:</b>	A <sub>hex</sub>
<b>ID2-Code:</b>	E <sub>hex</sub>
<b>Tone type:</b>	Continuous
<b>Tone frequency:</b>	c. 2.8 kHz
<b>Duty cycle:</b>	100 %
<b>Fixing:</b>	Installation mounting for Ø 22.5 mm (M 22 x 1.5 mm) with anti-twist device

Nut and seal included in assembly.

## ORDER SPECIFICATIONS:

Voltage	via AS-Interface
Current consumption	≤ 80 mA
red	<b>450 110 55</b>
yellow	<b>450 310 55</b>



## ADDITIONAL INFORMATION:



### Unique acknowledgement function with feedback signal via AS-Interface Bus

The addition of the LED/Buzzer Combination 450 with acknowledgement function expands WERMA's range of products with integrated AS-Interface®. The combination unites a very bright light signal with the powerful sound of a buzzer.

This product also features a unique acknowledgement function: by gently pressing the front surface of the product the audible signal can be turned off in a matter of seconds (see page 197). This acknowledgement signal is fed back to the master via the AS-Interface Bus and the malfunction is only indicated by means of the optical signal.

### Expanded addressing and a sound output of 80 dB

The 450 Combination for AS-Interface enables an expanded addressing (A/B technology) of up to 62 modules. The power required is drawn from the Bus voltage.

## TECHNICAL DIAGRAMS:

see page 273

Class 2

