

Installation / LED/Buzzer with acknowledgement function

**AS-i LED/Buzzer EM Contin. tone 30VDC RD**

Part No.: 450.110.55

**MECHANICAL DATA**

Height	81 mm
Diameter	50 mm
Materials	PC PC/ABS
Dome colour	Red
Housing colour	Black
Protection category	IP65
Connection	Screw terminals
cross-sectional area maximum	1,50mm <sup>2</sup> / 16AWG
Type of fixing	Built-in mounting
Working temperature minimum	-20°C
Working temperature maximum	+50°C
Weight with packaging	57 g
Product weight	41 g

**ELECTRICAL DATA**

Operating voltage	18,5 - 31,6V (ASI)
Operating voltage type	DC
Rated operational current	80 mA
Rated inrush current	500 mA
Protection class	Protection class 2
Pollution degree	3 In the connection area: 2
AS-i Slave Type	A/B
AS-i Profile	S-B.A.E
connectivity	AS-Interface

**OPTICAL DATA**

Light source	LED
Light colour	Red
Optical signal image	Permanent
Service life optical	50,000 h maximum

**ACOUSTIC DATA**

Volume (max) at 1m distance	80,0 dB (A)
Acoustic signal image	Continuous tone
Audio frequency	2800 Hz
Acoustic service life	5,000 h minimum

**APPROVAL DATA**

For additional installation and mounting information, refer to the appropriate user guide at [www.werma.com](http://www.werma.com). This printed copy is for information only and is subject to alteration.

Installation / LED/Buzzer with acknowledgement function

## AS-i LED/Buzzer EM Contin. tone 30VDC RD

Conforms with CE	Yes
Conforms with RoHS directive	Yes
WEEE	Yes
Conforms with ATEX-directive	No
Conforms with CCC	No
Conforms with UL	cULus
UL Type Rating	Type 12
Conforms with FCC	No
Conforms with IC	No
EAC certificate available	Yes
Conforms with UKCA (Importer)	Yes (WERMA (UK) Ltd.)
Conforms with AS-I	Yes
ICAO Certification	No
Conforms with DNV	No
Conforms with RoHS CN	No
Conforms with VdS	No



For additional installation and mounting information, refer to the appropriate user guide at [www.werma.com](http://www.werma.com). This printed copy is for information only and is subject to alteration.

## AS-i LED/Buzzer EM Contin. tone 30VDC RD

Technical drawing of a mechanical part, likely a valve or actuator, showing three views: front, side, and top.

**Front View Dimensions:**

- Total height: 16,8
- Flange thickness: 15
- Body diameter:  $\varnothing 28$
- Mounting bracket height: 8,5

**Side View Dimensions:**

- Total length: 59
- Mounting bracket length: 44
- Flange thickness: 22
- Small gap: 1

**Top View Dimensions:**

- Base diameter:  $\varnothing 22,5$
- Mounting bracket width: 13,6
- Small gap: 3,2

**Other Labels:**

- Mounting bracket: M22x1,5
- Part number: 450.X10.55

The diagram illustrates the AS-i interface connections. On the right, a vertical stack of four boxes represents the data bus, labeled from top to bottom: **AS-i data bit**, **D3**, **(D2)**, **D1**, and **D0**. On the left, three output devices are shown: **Acknowledge** (represented by a switch symbol), **Buzzer** (represented by a semi-circle symbol), and **Light signal** (represented by a light bulb symbol). Arrows indicate the connections: an arrow from **D3** points to the **Acknowledge** switch; an arrow from **D1** points to the **Buzzer**; and an arrow from **D0** points to the **Light signal** bulb.

<b>Supply (BUS/AUX)</b>	BUS
<b>Master profile</b>	min. M3

!

WERMA Signaltechnik GmbH + Co. KG · Dürbheimer Straße 15 · D-78604 Rietheim-Weilheim  
Tel +49(0) 74 24 95 57-0 · Fax +49(0) 74 24 95 57-44 · [info@werma.com](mailto:info@werma.com) · [www.werma.com](http://www.werma.com)