WERMA® LED Signal Towers eSIGN Series

Overview

The eSIGN series signal towers bring new dimensions to light with a robust industrial design and powerful features, setting new standards for individuality and flexibility. Electronic modularity enables the product to operate in a variety of signal modes with various colors, brightness levels and light effects, from the classic signal tower to completely customized settings. The eSIGN signal towers can also switch with ease between variable filling level indications or full-surface signaling.

IPA — Valid until: October 18, 2028

IO-Link · cULus · CE · UKCA

Features

- Full-surface signaling with clear and unmistakable light effects for maximum visibility
- Versatile customization options with different modes, light effects, and tones
- Selectable permanent, blinking, flashing, double flash, triple flash or rotating
- With or without siren
- 360-degree viewing angle
- Base mount with optional wall and tube mounts (purchase accessory separately)
- IO-Link v1.1 (see units indicated in the selection table)

65701055   **65720055**   **65760055**   **65770055**

LED Signal Towers eSIGN Series Selection Table											
Part Number	Price	Housing Color	Light Function	Number of Tiers	Voltage Rating	Rated Operational Current	Audible	Audible Tone Frequency Range	Connector Type	Weight g [oz]	Drawing Link
65700055	$407.00	Black	Selectable permanent, blinking, flashing, double flash, triple flash or rotating	9	24VDC +/- 10%	335mA	No	No	8-pin M12 A-coded	568 [20.03]	PDF
65720055	$407.00	White									PDF
65701055 *	$438.00	Black			24 VDC +/- 20%				4-pin M12 A-coded (IO-Link)	565 [19.92]	PDF
65721055 *	$438.00	White									PDF
65710055	$428.00	Black			24VDC +/- 10%	405mA	10 selectable tones (multi-tone, 105dB at 1 meter)	0.9 to 3.6 kHz	8-pin M12 A-coded	569 [20.07]	PDF
65730055	$428.00	White									PDF
65711055 *	$459.00	Black			24 VDC +/- 20%				4-pin M12 A-coded (IO-Link)	570 [20.10]	PDF
65731055 *	$459.00	White									PDF
65750055	$456.00	Black	Selectable permanent, blinking, flashing, double flash, triple flash or rotating	15	24VDC +/- 10%	555mA	No	No	8-pin M12 A-coded	794 [28.00]	PDF
65770055	$456.00	White									PDF
65751055 *	$488.00	Black			24 VDC +/- 20%				4-pin M12 A-coded (IO-Link)	791 [27.90]	PDF
65771055 *	$488.00	White									PDF
65760055	$472.00	Black			24VDC +/- 10%	620mA	10 selectable tones (multi-tone, 105dB at 1 meter)	0.9 to 3.6 kHz	8-pin M12 A-coded	792 [27.93]	PDF
65780055	$472.00	White									PDF
65761055 *	$513.00	Black			24 VDC +/- 20%				4-pin M12 A-coded (IO-Link)	791 [27.90]	PDF
65781055 *	$513.00	White									PDF

*Supports IO-Link v1.1

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Each eSIGN tier can be programmed and actuated individually, thus enabling maximum customizing of signaling options.

Application examples:
- Access control
- Alerting
- Audible warning
- Building security
- Fault indication
- Filling level indication
- Material availability level
- Monitoring
- Operating status
- Process monitoring
- Status indication
- Visual warning

9 Tier   **15 Tier**

Free Configuration Software
- website: www.werma.com/software

System requirements:
- Windows 10x86/64
- USB port required for hardware configuration
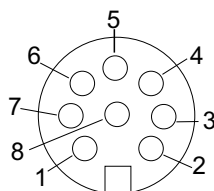- USB-C cable required - purchase separately - USB-CBL-AC6

Technical Specifications

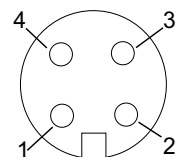| LED Signal Towers eSIGN Series Technical Specifications		
Type	**Non IO-Link models**	**IO-Link models**
Mounting	Base, tube or wall mount	
Operating Temperature Range	-30 to 60°C [-22 to 140°F]	
Protection Degree	IP66 / IP69K	
UL Type Rating	Type 4 / 4X / 12 / 13	
LED Indicator (The status LED can be found inside the base behind the type label.)	Flashes Yellow: normal LED pulses: firmware update is being installed LED is off - USB-C cable not properly connected	Red: The power supply is on; no IO-Link communication. Green: The power supply is on; IO-Link communication is working. Yellow: Firmware-Update is running If no LED is active, please check the power supply
Protection Class	3	
Pollution Degree	3	
Housing Material	Polycarbonate	
Agency Approval *	cULus file E164155, CE, UKCA	

***To obtain the most current agency approval information, see the Agency Compliance & Certifications Checklist section on the specific part number's web page.**

Wiring Diagrams

8-pin M12 A-coded		
M12 Pin Assignment	**Wire Color of M12 Cable**	**Function**
1	White	Signal 1
2	Brown	Signal 2
3	Green	Signal 3
4	Yellow	Signal 4
5	Gray	Signal 5
6	Pink	Signal 6
7	Blue	COM
8	Red	+24V

4-pin M12 A-coded (IO-Link)		
M12 Pin Assignment	**Wire Color of M12 Cable (IEC 60947-5-2)**	**Function**
1	Brown	L+
2	White	2L+
3	Blue	L-
4	Black	C/Q

Note: IO-Link Type/Class A: Some IO-Link masters with current consumption > 200mA need external auxiliary voltage (2L+).

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Signal Towers eSIGN Series Accessories

96000064

96000065

Signal Tower eSIGN Series Accessories				
Part Number	**Price**	**Drawing Link**	**Description**	**Weight g [oz]**
96000064	$36.50	PDF	WERMA eSIGN series mounting tube with base, 70mm diameter, 110mm length, black, polyamide. For use with WERMA eSIGN signal towers.	38 [1.34]
96000065	$21.00	PDF	WERMA eSIGN series mounting bracket adapter, wall mount, black, polyamide. For use with WERMA eSIGN signal towers.	56 [1.97]