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.

Features

- · Full-surface signaling with clear and unmistakable light effects for maximum
- · 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)



65720055 65701055 65760055



② IO-Link c ULus (€ CA

| | 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 |
| <u>65700055</u> | \$407.00 | Black | | 9 24 +/ | 24VDC +/- 10% | - 335mA | No | No | 8-pin M12 A-coded | 568 [20.03] | PDF |
| <u>65720055</u> | \$407.00 | White | | | | | | | | | PDF |
| <u>65701055</u> * | \$438.00 | Black | Selectable | | 24 VDC +/- 20% | | | | 4-pin M12 A-coded (IO-Link) | 565 [19.92] | PDF |
| <u>65721055</u> * | \$438.00 | White | permanent, blinking, flashing, double flash, triple flash or rotating | | | | | | | | PDF |
| <u>65710055</u> | \$428.00 | Black | | | 24VDC | | 10 selectable tones (multi-tone, 105dB at 1 meter) | 0.9 to 3.6 kHz | 8-pin M12 A-coded | 569 [20.07] | PDF |
| <u>65730055</u> | \$428.00 | White | | | +/- 10% | - 405mA | | | | | PDF |
| <u>65711055</u> * | \$459.00 | Black | | | 24 VDC +/- 20% | | | | 4-pin M12 A-coded (IO-Link) | 570 [20.10] | PDF |
| <u>65731055</u> * | \$459.00 | White | | | | | | | | | PDF |
| <u>65750055</u> | \$456.00 | Black | Selectable permanent, blinking, flashing, double flash, triple flash or rotating | 24VDC +/- 10% 24 VDC +/- 20% 15 24VDC +/- 10% | | - 555mA | No | No | 8-pin M12 A-coded | 794 [28.00] | PDF |
| <u>65770055</u> | \$456.00 | White | | | | | | | | | PDF |
| <u>65751055</u> * | \$488.00 | Black | | | 24 VDC | | | | 4-pin M12 A-coded | 791 | PDF |
| <u>65771055</u> * | \$488.00 | White | | | | | | (IO-Link) | [27.90] | PDF | |
| <u>65760055</u> | \$472.00 | Black | | | | - 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 |
| <u>65780055</u> | \$472.00 | White | | | | | | | | | PDF |
| <u>65761055</u> * | \$513.00 | Black | | | 24 VDC | | | | 4-pin M12 A-coded (IO-Link) | 791 [27.90] | PDF |
| <u>65781055</u> * | \$513.00 | White | | | +/- 20% | | | | | | PDF |

^{*}Supports IO-Link v1.1

WWEFIMA LED Signal Towers eSIGN Series

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



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 <u>USB-CBL-AC6</u>

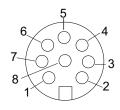
Technical Specifications

| LED Signal Towers eSIGN Series Technical Specifications | | | | | | |
|--|---|---|--|--|--|--|
| Туре | 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+).



WVERMA Signal Towers eSIGN Series Accessories



| Signal Tower eSIGN Series Accessories | | | | | | | |
|---------------------------------------|---------|------------|--|--------------|--|--|--|
| Part Number | | | | | | | |
| 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] | | | |
| <u>96000065</u> | \$21.00 | <u>PDF</u> | WERMA eSIGN series mounting bracket adapter, wall mount, black, polyamide. For use with WERMA eSIGN signal towers. | 56 [1.97] | | | |

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