

LOCUTION HARDWARE PRODUCT CATALOG

*Setting the Standard
for Automated Fire Station Alerting*

24 February 2025

OVERVIEW

Locution hardware works in conjunction with Locution PrimeAlert® software to help save lives and property and improve the health and safety of first responders. Each and every architecture and product design decision is made to optimize for these goals.

Locution has avoided proprietary designs wherever possible to be able to offer the latest technologies as well as to minimize the costs for customers, both at initial purchases and in the future. Fire station alerting systems must provide mission critical tasks with speed, precision, and reliability around the clock. They must be configurable to handle unique requirements that can differ widely within the same PSAP. They should serve those who serve with the latest health and safety advances... and do so for a long time.

The suite of the latest audio and visual devices offered by Locution continues to be updated as new innovations and technologies emerge. We complement those products with our own hardware when necessary, to provide a system that is worthy to serve first responders. Coupled with our flexible, robust, and powerful software, this is how Locution has set the standard for automated fire station alerting for more than 30 years.

Please note that all features and capabilities are subject to change without notice. For the latest information, please contact Locution on the web at www.locution.com, email at sales@locution.com, or simply call us at (303) 301-7300.

Visual Devices

Visual devices can help play a key role to minimize response times. They should also work with the software to provide customized alerts that can quickly inform a first responder that the call is for their unit, the type of incident, and more.

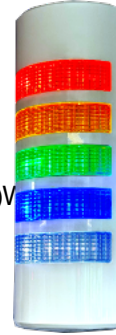
Visual alerting products should also have the latest technologies to help minimize the health risks around sleep deprivation. The long-term health risks from sleep deprivation are significant and well documented by numerous medical studies. Ramped alerting, night vision optimization, and integration into the automated fire station alerting system's zoned alerting capabilities are some of the ways that the latest visual alerting products can help reduce health risks for first responders.

Recognizing the unique needs of each customer and within each station, Locution offers a variety of choices. Locution visual products can be configured on site or remotely and have remote access for diagnosis and maintenance. As stated above, Locution has a non-proprietary architecture that can support using a customer's existing visual alerting products as well as incorporate the latest visual alerting products. Customers have the choice of using compatible existing products, purchasing new products from Locution, or a both. The visual alerting products listed below are current at the time of this publication. For more information about our latest offerings and quotes, please reach out to us (www.locution.com).

Color-coded alert lighting can quickly convey important information to first responders. Location lighting can be programmed to indicate units being dispatched, incident type, and more. It is also able to be reconfigured and monitored remotely.

Specifications

Surface mount
Operating Voltage :24V
Current Draw/Element: 43 ma
Operating Temperature Range: -25°C to +50°C (-13°F to +122°F)
Lens and base material: Polycarbonate (94V-0)
LED average life: 30,000 to 50,000 hr continuous operation
Dimensions: 45 mm (1.77") D x 245.7 mm (9.67") L x 90 mm (3.54")W
Weight: Up to 4.2 lbs
Choice of 3, 4, or 5 colors
Note: Color order requires factory configuration



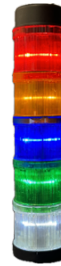
**Surface Mount
Multi-unit
Indicator Light**

Location TMU-SM3,
TMU-SM4, or
TMU-SM5

Use: Day rooms, common
areas, workout rooms,
any high noise environment

Specifications

Optional ceiling mount
Operating Voltage :24V
Current Draw/Element: 25 ma
Operating Temperature Range: -20°C to +50°C (-4°F to +122°F)
Lens and base material: Polycarbonate
LED average life: up to 100,000 hr continuous operation
Weight: 58 oz/element
Choice of 3, 4, or 5 colors
Note: Color order requires factory configuration



**Stacked Multi-unit
Indicator Light**

Location xxxxx
Use: Day rooms, common
areas, workout rooms,
any high noise environment

Strobe lights can be mounted throughout the station. Locution strobe lights include the capability for adjustable candela intensity levels are available in indoor and outdoor models.

Specifications

Wall mount
Nominal voltage 24 VDC for horn, strobe and horn/strobe
Nominal voltage 12 VDC for horn
Unit Dimensions: 5" (12.7 cm) high x 4.5" (11.43 cm) wide x 2.5" (6.35 cm) deep
Input terminals 12 to 18 AWG
Switch selection for high or low dBA
Switch for 2400 Hz, mechanical, chime and tones
Reverberant dBA at 10ft.: 70-82 dBA
Anechoic Room dBA at 10ft.: 100 dBA
Strobe candela: 15 (ANSI/UL 1971) / 75 (ANSI/UL 1638)
Color: white housing



**Wall-mounted
Strobe Light**
Locution xxxx
Use: Any indoor high
Noise environment

Specifications

Ceiling mount
Unit Dimensions: 6" (15.24 cm) x 2.6" (6.604 cm)
Input terminals 12 to 18 AWG
Horn/strobe switch selection for high or low dBA
Horn/strobe switch selection for 2400Hz or mechanical tone
Horn/strobe switch selection for continuous or temporal 3
Field selectable candela options of 15, 30, 75, 95, 115 & 150
Reverberant dBA at 10ft.: 81-86 dBA
Anechoic Room dBA at 10ft.: 90 dBA
Color: white housing



**Ceiling-mounted
Strobe Light**
Locution xxxxx
Locution xxxx
Use: Any indoor high
Noise environment

Night vision lighting can be mounted throughout the station. Locution offers wall mounted and ceiling mounted light vision illuminators that can offer ramped or switched monochromatic red light. Lights are network addressable.

Specifications

Ceiling mount (to standard 2' x 2' drop ceiling tile)
Pure Monochromatic Red Light preserves night vision
High Efficiency 27 Lumen Output at .8W
Ramp up and digital dimming compatibility
Life expectancy 100,000 hours
Unit Dimensions: 5" (12.7 cm) diameter

Three available versions:

- Locution LNVR: Lights are switched
- Locution LNVR-DL: Ramped lights used in bunks on zoning systems *must be programmed*
- Locution NVR-NF: LNVR lights sold without fixtures



Ceiling-mounted Night Vision Light

Locution LNVR (switched),
LNVR-DL (programmed),
NVR-NF (w/o fixture)
Use: Bunk rooms,
hallways

Specifications

Used for low level dorm and egress light illumination
Pure Monochromatic Red preserves night vision
High Efficiency 27 Lumen Output at .8W
Ramp up and digital dimming compatibility
Life expectancy 50,000 hours
Attractive Stainless Steel Plate and Designer Cover
Mounts to standard 2 Gang Switch Plate Box or Ring
in conventional orientation. 4.57"(L) X 4.57"(W) X .875" (H)
Height dimension includes LED cover housing
Ideal in restricted depth installation situations.
Requires no back depth beyond plate other than consideration for wiring connections.

Four available versions:

- Locution LNVI-EZ-H: Ramped, for EZ Zone systems
- Locution LVNI-DL-H: Ramped, DALI (for Multi-Zone systems)
- Locution LNVI-H: Horizontal orientation (non-zoned)
- Locution LVVI-V: Vertical orientation (non-zoned), special order



Night-vision Illuminator

Locution LNVI-EZ-H,
LNVI-H, LVNI-V,
LNVI-DL-H
Use: Bunk rooms,
egress

Reader boards can be mounted to quickly convey key dispatch information. Locution offers one-line and four-line versions. Configuration elements, such as color keys, can be remotely updated and monitored.

Specifications

Provides an immediate visual cue to specific responding unit(s)
Scrolls or flashes dispatch information
Display Dimension: 36" (60.9cm) L x 2.1" (24.5 cm) H
Case Dimensions: 37.7" (95.76 cm) L x 3.8" (9.6cm) H x 2.9" (7.37 cm) D
Weight: 4.7 lbs (2.13 kg)
Display Array: 120 x 7 pixels
One-line minimum/typical/maximum: 20/20/24
Display Memory: 28,000 characters
Pixel Size (Diameter): Pixel (LED) Color: 0.2" (.05 cm)
Each dot can be red, green, or amber
Center-to-Center Pixel
Spacing (Pitch): 0.3" (0.8 cm)
Character Size: 2.1" (4.3 cm)
Case Material: Extruded aluminum
Operating Temperature Range: 32° to 120° F (0° to 49° C)
Humidity Range: 0% to 95% non-condensing
Ceiling or Wall Mount



1-Line Reader Board

Locution MLRB-1L
Use: Common areas,
workout rooms,
apparatus bay

Specifications

Provides an immediate visual cue to specific responding unit(s)
Configures to display and scroll dispatch information and unit status
Note: Customer provides IP information for configuration to Locution.
Locution then ships the plug-in-ready Reader Board to the customer.
Dimensions: 39 11/16" L x 10 11/16" H x 3 3/16" D
Case Material: Extruded aluminum
Operating Temperature Range: 32° to 120° F (0° to 49° C)
Humidity Range: 0% to 95% non-condensing
Ceiling or Wall Mount



4-Line Reader Board

Locution MLRB-1L
Use: Common areas,
workout rooms,
apparatus bay

Response timers can display turn out times. Locution offers a 3-digit models with ambient light correction for maximum visibility. They are also configurable to count up or count down.

Specifications

Indoor use
Displays turn out times
Dimensions: 9.1" (23.1 cm) H x 16.8" (42.7 cm) L x 1.5" (3.8 cm) D
Weight: 3.2 lbs (2.13 kg)
Character Height: 5.5"
Viewing Distance: Up to 125 Ft.
Operating Temperature Range: 32° to 104° F (0° to 40° C)
Power: 24V, with lithium backup battery
Color: Black frame with dark red plexiglass faceplate
Case Material: Extruded aluminum
Ceiling or Wall Mount



Response Timer
Locution MDRT-3
Use: Apparatus bay

The Locution **touchscreen monitor** can be used for **PrimeAlert® Station Zone Tracker** to display and configure assigned bunks in zoned systems. It can also be used for **PrimeAlert® Responder Station**.

Specifications

Indoor use
Touchscreen: 23.8"
Resolution: 1920 x 1080
Dimensions: 14.6" (370.5 cm) H x 22.3" (567 cm) L x 1.8" (45.2 cm) D
Weight: 16.5 lbs (7.5 kg)
Operating Temperature Range: 32° to 104° F (0° to 40° C)
Humidity: 0-90%, Non-condensing
Ships with Wall Mount kit



Touchscreen Monitor
Locution 50XT
Use: Hallway near bunks for Station Zone Tracker, common areas for Responder Station