



® **Light Engineered Displays, Inc.**

Graphic Annunciators * Water Leak Detection
Fireman's Smoke Control Panels * ARA Systems

Protect, Alert & Inform Your Most
Critical Asset: Your People



Campus Emergency Notification Solution

Emergency LED Displays are an important component of any multi-modal emergency notification plan and supports NFPA 72 guidelines for visual notification.

Deploying LED emergency communication displays throughout your facility is an excellent way to complement fire panel-based life safety with your network-centric emergency communication platform.

Having all of your campus alerting solutions work together helps ensure that in a crisis, everyone receives emergency notification – including people in captive spaces and in areas where noise levels are high, acoustics are poor, or mobile phones are not permitted or accessible.

Delivering the right message - to the right people at the right time, is paramount to life safety. From catastrophic natural disasters, to the threats schools, college campuses, malls and retail establishments face, there has been a heightened demand for effective multi-layered emergency communications.

Mass Notification LED Displays provide the solution to instantly communicate to everyone anytime - anywhere.

MNS displays relay critical alerts and messages automatically via highly visible, full color LED signage as soon as an emergency or event is triggered - ensuring that all students, faculty or employees are aware of the crisis and know how to proceed to safety.



LED-4000u|24v MNS
FULL COLOR LED DISPLAYS

Integrated External and Internal Signage for a Unified Communication System

LED full color LED Displays are built with a flexible architecture that can be integrated with a variety of emergency notification and life safety platforms, including Emergency Communication Systems (ECS), Mass Notification Systems (MNS) and network-centric, crisis communication platforms. Preprogrammed, targeted messages are sent to the display the instant an emergency or crisis event is triggered. Additional messaging functionality, such as group by zone or building, or sending first-responder or custom follow-up messages, is also available.



Full Features:

LED Displays are bright, full colored, safety messaging signs that securely deliver vital alerts and instructions when an emergency event is triggered in your facility. Each message can be programmed in government specified message colors and are built for optimal energy efficiency with battery back-up options.

- Support integration with leading fire panel manufacturers and network-based emergency notification providers
- Preprogrammed, first responder and priority messaging
- Scrolling text
- Messaging by groups or zones
- Reliable and energy efficient. 24V DC input
- Visibility and readability from 150 feet (50 meters) away
- Display date, time, weather and other general messaging in non-emergency situations
- Support for secure encrypted network protocol
- UL 1638, NFPA72, FCC Class A
- Indoor and semi-outdoor applications

Emergency Display Benefits:

- Communicate clearly in environments with high noise levels, poor acoustics, or ambient lighting
- Provide visual messaging for the hearing impaired
- Send preprogrammed, custom, or real-time messages by group or zone
- Fill in gaps in wireless and network-centric solutions when demand spikes or weak signals (such as in hallways) interrupt communication
- Offer primary or supplemental visual crisis emergency notification that complies with NFPA72 code 24.4.3.18 (use of Textual and Graphical Visible Appliances)
- Provides emergency lighting when in partial/full "white" display mode

Multiple Display Options:

Display messaging on bright LEDs with wide viewing angles and anti-glare coating for optimum visibility and readability from 150 feet (50 meters) away.

In addition to Indoor and Semi-Outdoor displays; Adaptive offers a full line of fully compatible Outdoor LED displays (full color and more).

Features

Characters	2 lines of 13 characters per line
Communications Interface	RS485 and Ethernet
Connections	Power and RS485 via screw terminal / Ethernet
Compliance	UL 1638, NFPA 72, FCC Class A
Mounting	Low profile wall mount, 1/2" all-thread ceiling mount
Front Lens Cover	Polycarbonate
Hardened Electronics	Components for the semi-outdoor unit have a wider temp range
External Case	Gasketed to prevent water intrusion
Selective Conformal Coating	For humid environments
Warranty	1 year

MNS Specifications

Basic	
Character memory	28,000 - about 80 messages
Display Matrix	80W x 16H;
Pixel Pitch	0.3" (7.62mm)
Brightness	Typical 1300 NITS
Display Colors	Full Color (RGB) - 64 Colors
Dimensions	
Case Dimensions	25" x 3.1" x 7.2" (L x D x H)
Display Area	25" x 4.8" (L x H)
Character Size	4.8" (121.92mm) or 2.1" (53.34mm)
Weight	12.5 lbs.
Environmental	
Operating Temperature	-30° C to 50°C
Storage Temperature	-40° C to 85°C
Humidity Range	0 - 95 % Conformal Coated for Semi-Outdoor Sheltered Use
Power	
Input voltage	16 to 33VDC (24VDC Typical)
Current draw (@16VDC in)	All pixels white: 2.2A Max, Typical Message: 0.8A , Blank-Face : 160ma

*Additional sizes available: contact us for 120W x 16H or 160W x 16H information

"Designed and built in the USA using U.S. and imported parts."



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