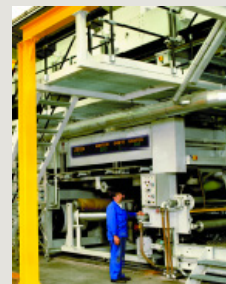




# ALPHA™

Alpha™ 4000 NEMA 12 message centers are designed for continued productivity and safety.

Our highly visible Alpha™ 4000 NEMA 12 Series displays ensure continued productivity and safety throughout your production facility. From your desktop PC, your PLC or HMI system you can relay real time production data and manage quality assurance during the process.



Don't risk production coming to a screeching halt! Our 4000 Series NEMA 12 provides maximum protection against windblown dust and splashing water from your industrial processes.

#### Features:

- NEMA 12 enclosure withstands dust and splashing water
- Character size: 2.1 - 4.8 inches
- Two models available
- One year USA factory warranty
- Stores & displays up to 96 messages
- Flexibility of 1 or 2 line messages
- 5 operating speeds
- Keyboard programmable from 30 ft.
- 3 Brilliant colors & 3 rainbow effects
- 6 character fonts
- Create your own graphics & logos

Alpha displays can be addressed individually or collectively and offer a wide variety of flexible connectivity options:

#### Standard connectivity:

- Simple point to point RS232 communications
- Multi-drop RS485 connections

#### Optional:

- WiFi adapter
- Ethernet LAN adapter

Sizes	4120C	4240C
*Case Dimensions: (Power supply inside case)	40.4" L x 5.6" D x 7.9" H (102.7 cm L x 20.0 cm D x 14.2 cm H)	76.4" L x 5.6" D x 7.9" H (194.2 cm L x 20.0 cm D x 14.2 cm H)
Approximate Weight:	28 lbs. (12.7 kg.)	50 lbs. (22.7 kg.)
Display Dimensions:	36" L x 4.8" H (91.4 cm L x 12.2 cm H)	72" L x 4.8" H (182.8 cm L x 12.2 cm H)
Display Array:	120 x 16 pixels	240 x 16 pixels
Characters Displayed in: One-Line: Two-Line:	Minimum 4.8" / 12 2.1" / 20	Minimum 4.8" / 24 2.1" / 40
Display Memory:	28,000	28,000

Display Specifications	
Pixel Size (Diameter):	0.2" (.05 cm)
Pixel (LED) Color:	Each dot can be red, green, or amber (4120R and 4240R are red only)
Center-to-Center Pixel Spacing (Pitch):	0.3" (0.8 cm)
Character Size (One-line format): (Two-line format):	4.8" (12.2 cm) 2.1" (4.3 cm)
Character Set:	International Character Set, Block (sans serif), decorative (serif), upper/lower case, slim, wide, double wide
Memory Retention:	One month typical
Message Capacity:	96 different messages can be stored and displayed
Message Operating Modes:	<ul style="list-style-type: none"> <li>– 25 consisting of: Automode™, Hold, Roll (6 directions), Rotate, Sparkle-On, Twinkle, Interlock, Wipe (six directions) Spray-On, Slide Across, Starburst, Switch, Flash, Snow, Scroll</li> <li>– Continuous message entry with automatic centering in any mode</li> <li>– User programmable logos and graphics</li> <li>– Five variable speed controls</li> </ul>
Built-In Animations:	Cherry Bomb Exploding, Don't Drink and Drive, Fireworks, Slot Machine, No Smoking, Running Animal, Moving Auto, Welcome (in script), Thank You (in script)
Real-Time Clock:	Date and time, 12 or 24 hour format, maintains accurate time without power for up to 30 days typical

Network and Power Specifications	
Serial Computer Interface:	RS232 and RS485 (multi-drop networking for up to 255 displays)
Power:	100-132 VAC, 60 Hz or 200-252 VAC, 50 Hz Autoranging input Power and serial are field wired (no line cord)
Keyboard:	Handheld, Eurostyle, IR remote
Agency Approvals:	– ETL/ETLc – FCC Part 15 Class A
Operating Temperature:	32° to 140°F, 0° to 60°C
Humidity Range:	0% to 95% non-condensing

General Specifications	
Case Material:	Extruded aluminum
Enclosure:	Designed to Nema 12 specification Equivalent IP rating: IP52
Mounting:	Hardware to accommodate ceiling, wall, or stack mounting methods
Limited Warranty:	One-year parts and labor, factory servicing

Adaptive Micro Systems has over 35 years of experience manufacturing quality LED signage solutions. We design innovative products that are simple to maintain and easy to operate. By designing, manufacturing and testing all products in our advanced U.S. facility, Adaptive maintains complete control of our quality products.



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