



# ALPHA™ 4000 SERIES

## Focus on the process

When you focus on the process, you're focused on productivity & prevention. Our highly visible, ALPHA™ 4000 series displays, ensure continued productivity & preventive safety throughout your production facility. From your desktop PC, you can relay real time employee communication and manage quality control during the process.

No matter the size of your operation, connect with employees and manage their focus with the 4000 series, our most versatile, two-line indoor display. Boost morale by posting consecutive safety days, announce birthdays or plant-wide special events.

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

STANDARD: *Simple point to point RS232 communications*  
*Multi-drop RS485 connections*

OPTIONAL: *Communications via standard on-site paging systems*  
*RF Modem solutions*  
*Ethernet LAN connections*

When the focus is your business—see Adaptive™



## Standard Features

- Character size: 2.1 - 4.8 inch
- Length options available
- One year USA factory warranty
- Stores & displays over 80 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™ 4000 Specifications

Sizes	4080C	4120C/R	4160C/R	4200C/R	4240C/R
<b>Case Dimensions: (With power supply)</b>	28.2"L x 5.5"D x 7.7"H (71.6 cmL x 14.0 cmD x 19.6 cmH)	40.1"L x 5.5"D x 7.7"H (101.9 cmL x 14.0 cmD x 19.6 cmH)	52.1"L x 5.5"D x 7.7"H (132.3 cmL x 14.0 cmD x 19.6 cmH)	64.1"L x 5.5"D x 7.7"H (162.8 cmL x 14.0 cmD x 19.6 cmH)	76.1"L x 5.5"D x 7.7"H (193.3 cmL x 14.0 cmD x 19.6 cmH)
<b>Approximate Weight:</b>	13 lbs. (5.8 kg.)	18.5 lbs. (8.4 kg.)	24.5 lbs. (11.2 kg.)	31 lbs. (14.1 kg.)	37.5 lbs. (17 kg.)
<b>Display Dimensions:</b>	24"L x 4.8"H (60.9 cmL x 12.2 cmH)	36"L x 4.8"H (91.4 cmL x 12.2 cmH)	48"L x 4.8"H (121.9 cmL x 12.2 cmH)	60"L x 4.8"H (152.4 cmL x 12.2 cmH)	72"L x 4.8"H (182.8 L x 12.2 cmH)
<b>Display Array</b>	80 x 16 pixels	120 x 16 pixels	160 x 16 pixels	200 x 16 pixels	240 x 16 pixels
<b>Characters Displayed in:</b>	minimum/typical/maximum	minimum/typical/maximum	minimum/typical/maximum	minimum/typical/maximum	minimum/typical/maximum
<b>One-Line:</b>	6/8/10	10/12/15	14/16/20	18/20/25	20/24/30
<b>Two-Line:</b>	26/26/40	40/40/60	52/52/80	66/66/100	80/80/120
<b>Display Memory</b>	28,000	28,000	28,000	28,000	28,000

<b>Pixel Size (Diameter):</b>	0.2" (.05 cm)
<b>Pixel (LED) Color:</b>	Each dot can be red, green, or amber (4120R, 4160R, 4200R, and 4240R are red only)
<b>Center-to-Center Pixel Spacing (Pitch):</b>	0.3" (0.8 cm)
<b>Character Size (One-line format): (Two-line format):</b>	4.8" (12.2 cm) 2.1" (4.3 cm)
<b>Character Set:</b>	International Character Set, Block (sans serif), decorative (serif), upper/lower case, slim, wide, double wide
<b>Memory Retention:</b>	One month typical
<b>Message Capacity:</b>	81 different messages can be stored and displayed
<b>Message Operating Modes:</b>	<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>
<b>Built-In Animations:</b>	Cherry Bomb Exploding, Don't Drink and Drive, Fireworks, Slot Machine, No Smoking, Running Animal, Moving Auto, Welcome (in script), Thank You (in script)

<b>Real-Time Clock:</b>	Date and time, 12 or 24 hour format, maintains accurate time without power for up to 30 days typical
<b>Serial Computer Interface:</b>	RS232 and RS485 (multi-drop networking for up to 255 displays) <i>Options</i> – Wireless Interface – Ethernet LAN interface
<b>Power:</b>	120 VAC ± 10% - 180 watts max for all models except 4120R, 4160R and 4200R (120 watts) (230 VAC models also available)
<b>Maximum Power Cord Length:</b>	10 ft. (3 m)
<b>Keyboard:</b>	Handheld, Eurostyle, IR remote
<b>Case Material:</b>	Extruded aluminum
<b>Limited Warranty:</b>	One-year parts and labor, factory servicing
<b>Agency Approvals:</b>	120 VAC Model: Listed to ANSI/UL 1950-Second Edition (US) and CAN/CSA-22.2 No.950-M89 (Canada) 230 VAC Models: Complies with EN 60950:1992 (Europe) and AS/NZS 3260-1993 (Australia) – FCC Part 15 Class A – CE Marked
<b>Operating Temperature:</b>	32° to 120°F, 0° to 49°C
<b>Humidity Range:</b>	0% to 95% non-condensing
<b>Mounting:</b>	Hardware to accommodate ceiling, wall, or counter mounting
<b>Enclosure:</b>	No Nema rating (standard) – Option: Designed to Nema 2 specification

**ADAPTIVE™**  
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