

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.

 $\label{eq:ALPHA} \textbf{ALPHA}^{\text{\tiny{\'ell}}} \ \ \text{displays can be addressed individually or collectively and offer a wide variety of flexible connectivity options:}$

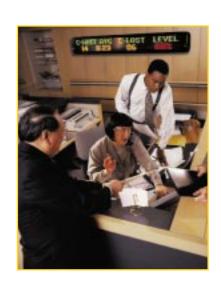
STANDARD: Simple point to point RS232 communications

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
Case Dimensions: (With power supply)	28.2"L x 5.5"D x 7.7"H (71.6 cmL x 14.0 cmD x19.6 cmH)	40.1"L x 5.5"D x 7.7"H (101.9 cmL x 14.0 cmD x19.6 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)
Approximate Weight:	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.)
Display Dimensions:	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)
Display Array	80 x 16 pixels	120 x 16 pixels	160 x 16 pixels	200 x 16 pixels	240 x 16 pixels
Characters Displayed in:	minimum/typical/maximum	minimum/typical/maximum	minimum/typical/maximum	minimum/typical/maximum	minimum/typical/maximum
One-Line: Two-Line:	6/8/10 26/26/40	10/12/15 40/40/60	14/16/20 52/52/80	18/20/25 66/66/100	20/24/30 80/80/120
Display Memory	28,000	28,000	28,000	28,000	28,000

Pixel Size (Diameter):	0.2" (.05 cm)	
Pixel (LED) Color:	Each dot can be red, green, or amber (4120R, 4160R, 4200R, 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:	81 different messages can be stored and displayed	
Message Operating Modes:	 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 Continuous message entry with automatic centering in any mode User programmable logos and graphics Five variable speed controls 	
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		
Serial Computer Interface:	RS232 and RS485 (multi-drop networking for up to 255 displays) Options – Wireless Interface – Ethernet LAN interface		
Power:	120 VAC \pm 10% - 180 watts max for all models except 4120R, 4160R and 4200R (120 watts) (230 VAC models also available)		
Maximum Power Cord Length:	10 ft. (3 m)		
Keyboard:	Handheld, Eurostyle, IR remote		
Case Material:	Extruded aluminum		
Limited Warranty:	One-year parts and labor, factory servicing		
Agency Approvals:	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 – C€ Marked		
Operating Temperature:	32° to 120°F, 0° to 49°C		
Humidity Range:	0% to 95% non-condensing		
Mounting:	Hardware to accommodate ceiling, wall, or counter mounting		
Enclosure:	No Nema rating (standard) – Option: Designed to Nema 2 specification		

