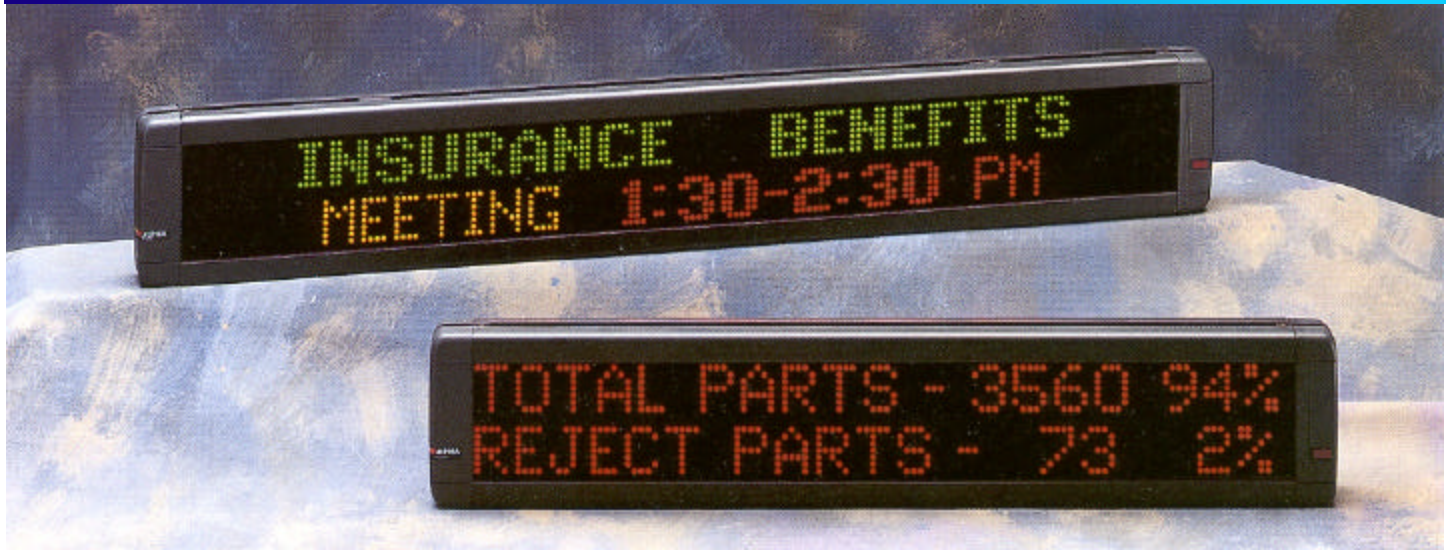


# Chadmark Associates

## Electronic LED Display Specialists



### 4000 Series

One of Chadmark Associates best sellers, the ALPHA 4000 Series features our most versatile, two-line, indoor LED message centers. Several different length models are currently available. Each model has the ability to display two lines of 2.1 inch characters or, for maximum impact, one line of 4.8 inch characters. The 4000 Series is designed to quickly display large amounts of information in three bright colors - red, green and amber. The result is a message display with great visual impact, superior visibility, and high resolution.

Messages are entered through a wireless, remote keyboard as easy to understand and use as an ordinary calculator. Exclusive Easy KeyII operation, with Automode programming, eliminates the need to learn complicated programming procedures. Within seconds, the user can create exciting visual messages that cannot be ignored. In applications requiring multiple units to effectively disseminate information, ALPHA displays can be networked and connected to a personal computer to form an integrated, visual information system.

#### Easy 3-Step Message Entry

- Automode TM feature automatically displays messages in 15 attention getting modes

#### Wireless Remote Control

- No cable to connect, operates 30 feet away from the display

#### Dazzling Color Displays

- Red, green, amber; three rainbow effects- Red-only models also available

- Display two lines of 2.1 -inch characters

- Display one line of 4.8-inch characters

- 6 Character fonts

- Stores and displays up to 81 moving messages

- 9 Exciting, built-in animations

- 5 Operating speeds

#### Create Your Own Logos and Graphics

- Maintains accurate day and time even during power outages

**Attractive Eurostyle Case made of Rugged Extruded Aluminum**



#### Easy Networking

- Optional AlphaNet plus software provides the capability to control an entire network of ALPHA message centers from a personal computer. Up to 255 ALPHA message centers can be networked for an integrated, visual information system, telephone modems can be used for remote networking.

# Specifications

Models	4120C	4160C	4200C	4240C
<b>Case Dimensions:</b>	40.2"Lx5.1"D x 7.7"H (102.1 cmL x 12.9 cmD x1 9.6 cmH)	52.2"Lx5.1"Dx7.7"H (132.5 cmL x 1-2.9 cmD x1l 9.6 cmH)	64.2"Lx5.1"Dx7.7"H (163 cmL x 12.9 cmD x 19.6 cmH)	76.2"Lx5.1"Dx7.7"H (193.5 cmL x 12.9cmD x 19.6 cuiH)
<b>Weight of Display:</b>	18.5 lbs. (8.4 kg )	24.5 lbs. (11.2 kg)	31 lbs. (114.1 kg)	37.5 lbs. (17. kg)
<b>Display Dimensions:</b>	36"L x 4.8"H (91.4 cmL x 12.2 cmH)	48"L x 4.8" (1121.9 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 cmL x 12.2 cmH)
<b>Display Array:</b>	120 x 16	160 x 16	200 x 16	240 x 16
<b>Characters Displayed In Two-Line Format:</b>	40 minimum/typical 60 maximum	52 minimum/typical 80 maximum	66 minimum/typical 100 maximum 1	80 minimum/typical 120 maximum
<b>Characters Displayed in One-Line Format:</b>	10 minimum 12 typical 15 maximum	14 minimum 16 typical 20 maximum	18 minimum 20 typical 25 maximum	20 minimum 24 typical 30 maximum
<b>Display Memory:</b>	28,000 characters	27,500 characters	27,000 characters	26,500 characters

<p><b>Pixel Size</b> (Diameter 0.2" (0.5 cm)</p> <p><b>Pixel (LED) Color:</b> Each dot can be red, green or amber; three rainbow effects also available (4120R, 4160R, 4200R, and 4240R are red only)</p> <p><b>Center-to-Center Spacing (pitch):</b> 0.3" (0.8 cm)</p> <p><b>Character Size (two-line format):</b> 2.1 " (5.3 cm)</p> <p><b>Character Size (one-line format):</b> 4.8 " (12.2 cm)</p> <p><b>Character Set:</b> Block (sans serif, decorative serif, upper/lower case, slim/wide)</p> <p><b>Memory Retention:</b> One month typical</p> <p><b>Message Capacity:</b> 81 Different messages can be stored and displayed</p> <p><b>Real-Time Clock:</b> Day and time, 12 or 24 hour format, maintains accurate time without power for up to 30 days</p> <p><b>Serial:</b> Computer RS232 (TTL) and RS485 (multi-drop Interface: networking for up to 255 displays)</p> <p><b>Case Material:</b> Extruded aluminum</p>	<p><b>Operating Modes:</b> 25 consisting of Automode", Hold, Interlock, Roll (six directions), Rotate, Sparkle-On, Twinkle, Spray-On, Slide Across, Starburst, Switch, Wipe (six directions), Flash, Snow, Scroll, Condensed Rotate</p> <p><b>Special Features:</b> Continuous data entry with automatic centering in any mode, user programmable logos and graphics, and five variable speed controls</p> <p><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)</p> <p><b>Power:</b> 120 VAC ±10% -100 watts for all models except 4200C, 4240C and 4240R (1150 watts)</p> <p><b>Power Cord Length:</b> 15 ft. (4.5m)</p> <p><b>Keyboard:</b> Handheld, Eurostyle, IR remote operated</p> <p><b>Format:</b> EZ Key II with international character set</p> <p><b>Operating Temperature:</b> 32 to 120deg.F, 0 to 49deg.C</p> <p><b>Humidity Range:</b> 0% to 95% non-condensing</p> <p><b>Mounting: Hardware</b> to accommodate ceiling, wall, or counter mounting</p> <p><b>Limited Warranty:</b> One-year parts and labor Safety: Meets UL and CSA standards</p>
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**To order your display, call our sales line at 1-610-566-6371 or Fax 1-610-566-4614**  
**Or visit us on the web at [www.chadmark.com](http://www.chadmark.com)**  
**Chadmark Associates, 313 Woodridge Lane, Media, PA 19063**  
 Specifications subject to change without notice.