

New and Improved



# ALPHA EA 414

This Alpha display offers message clarity from a 200 ft. distance allowing you to visually connect with your employees or customers. Our unique, built-in louver system eliminates glare to accentuate your message. Designed for outstanding visual impact, the 414 uses 4-inch tall characters for dazzling, moving color messages you know they'll notice.

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

**OPTIONAL:**  
Ethernet LAN connections



## Standard Features

- Character size: 4.0"
- One year USA factory warranty
- Stores & displays over 80 messages
- 5 Operating speeds
- 8 Brilliant colors & 3 rainbow effects
- 6 Character fonts
- Create your own graphics & logos
- Keyboard programmable from 30 ft.

# Alpha EA414 Specifications

Sizes	Big Dot
Case Dimensions: (With power supply)	49.0"L x 4.25"D x 6.25"H (124.5 cmL x 11.0 cmD x 16.0 cmH)
Approximate Weight:	12.25 lbs (5.6 kg.)
Display Dimensions:	45.6"L x 4.0"H (115.8 cmL x 10.16 cmH)
Display Array:	80 x 7 pixels
Characters Displayed in one-line:	13 minimum/typical 22 condensed rotate mode
Display Memory:	28,000 characters

Pixel Size (Diameter):	0.35" (.89 cm)	Real-Time Clock:	Date and time, 12 or 24 hour format, maintains accurate time without power for up to 14 days typical
Pixel (LED) Color:	8 bright colors and 3 rainbow effects	Serial Computer Interface:	RS232 and RS485 (multi-drop networking for up to 255 displays)
Center-to-Center Pixel Spacing (Pitch):	0.57" (1.44 cm)	Power:	120 VAC or 230 VAC
Character Size:	4.0" (10.1 cm)	Power Cord Length:	10ft. (3m)
Character Set:	Block (sans serif), decorative (serif), , slim/wide	Keyboard:	Handheld, infrared, 54 key layout
Memory Retention:	2 weeks	Case Material:	Injection molded
Message Capacity:	80 different messages	Limited Warranty:	One-year parts and labor, factory servicing
Message Operating Modes:	<ul style="list-style-type: none"> <li>– 26 consisting of: Automode, hold Roll (6 directions), Rotate, Sparkle-On, Twinkle, Interlock, Wipe (six directions) Flash, Scroll, Snow, Starburst, Spray-on, Switch, Condensed Rotate and Slide Across</li> <li>– Continuous message entry with automatic centering in any mode</li> <li>– User programmable logos and graphics</li> <li>– Five hold speeds</li> </ul>	Agency Approvals:	<ul style="list-style-type: none"> <li>– ETL conforms to EN60950/IEC950 standards</li> <li>– complies with part 15 of the FCC rules</li> </ul>
Built-in Animations:	Cherry Bomb Exploding, Don't Drink and Drive, Fireworks, Slot Machine, No Smoking, Moving Auto, Welcome and Thank You	Operating Temperature:	32° to 120°F, 0° to 50°C
		Humidity Range:	0% to 95% non-condensing
		Mounting:	Hardware to accommodate ceiling/wall/counter mounting

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