



Light Engineered Displays, Inc.

MNS - 220C

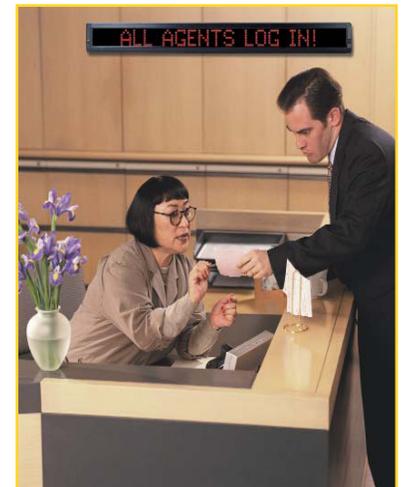


MNS 220-C SERIES

Longer, brighter, better! LED's model MNS - 220C is specifically designed to get your message across as quickly as possible. The new, longer length provides more space to display your message in one line. Brighter, tri-color LED's come standard on this model, to give your message maximum impact.

Perfect for employee communication, to inform, inspire or educate. Whether your business is call centers, movie theatres or education, you can keep your employees "in the know" with this versatile electronic message display.

These units are available with a plug-in 120vac to 5vdc transformer, suitable for most applications. There also available as an option, a 24vdc to 5vdc voltage converter. This allows the signs to be operated from a common 24vdc circuit w/ battery backup.



Standard Features

- Easy networking
- Character size: 1.5" - 2.1"
- One year USA Factory Warranty
- Stores & displays over 80 messages
- 15 stimulating presentation styles
- With MNS Controller, messages can be selected by dry contact closure .
- 3 Brilliant colors & 3 rainbow effects
- 14 Character fonts
- Can show Time and Date in addition to your custom messages.

MNS - 220C Specifications

Sizes	220C
Case Dimensions: (With power supply)	37.7"L x 2.9"D x 3.80"H (95.76 cmL x 7.37 cmD x 9.6 cmH)
Approximate Weight:	4.7 lbs (2.13 kg.)
Display Dimensions:	36"L x 2.1"H (91.4 cmL x 5.3 cmH)
Display Array	120 x 7 pixels
Characters Displayed in one-line	minimum/typical/maximum 20/20/24
Display Memory	28,000 characters

Pixel Size (Diameter):	0.2" (.05 cm)
Pixel (LED) Color:	Each dot can be red, green, or amber
Center-to-Center Pixel Spacing (Pitch):	0.3" (0.8 cm)
Character Size	2.1" (4.3 cm)
Character Set:	International Character Set, Block (sans serif), decorative (serif), upper/lower case, slim, wide, double wide, and shadowing
Memory Retention:	One month typical
Message Capacity:	81 different messages can be stored and displayed
Message Operating Modes:	<ul style="list-style-type: none"> - 26 consisting of: Auto Hold, Roll (6 directions), Rotate, Sparkle-On, Twinkle, Interlock, Wipe (six directions) Flash, Scroll, Snow, Starburst, Spray-on, Switch, Condensed Rotate and Cycle Color - Continuous message entry with automatic centering in any mode - User programmable logos and graphics - Five hold speeds
Built-in Animations:	Cherry Bomb Exploding, Don't Drink and Drive, Fireworks, Slot Machine, No Smoking, Fish, Welcome and Thank You Tumpet and News Flash
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:	100 VAC - 240 VAC Different power cords for specific type plugs Cords Available: 120 VAC (North America), 230 VAC (Europe) 240 VAC (U.K., Australia, New Zealand)
Power Cord Length:	9'10" (3m) to 120 VAC (North America) 7'10" (2.5m) to 230 VAC European
Keyboard:	Handheld, Eurostyle, IR remote
Case Material:	Extruded aluminum
Limited Warranty:	One-year parts and labor, factory servicing
Agency Approvals:	<ul style="list-style-type: none"> - 120 VAC Model: Listed to ANSI/UL 1950-3rd 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/New Zealand) - FCC Part 15 Class A - CE Marked
Operating Temperature:	32° to 120°F, 0° to 49°C
Humidity Range:	0% to 95% non-condensing
Mounting:	Hardware to accommodate ceiling or wall mounting

Note: An option from LED, Inc. is a DC to DC Converter that will allow the sign to connect to a 24vdc circuit. At 24vdc, the minimum current draw (blank screen) is 100ma. - The maximum draw is 700ma.



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800-251-2512 www.ledinc.com