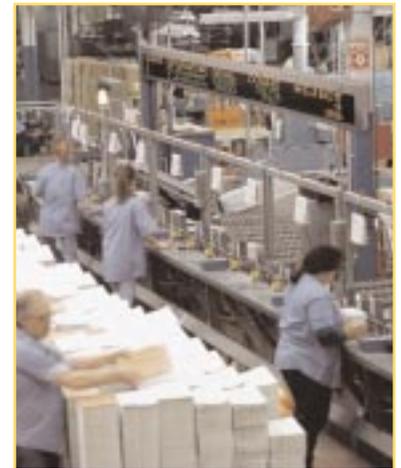# *ALPHA™ 7000-NEMA 4 & 4X*

To Keep You Up & Running

The NEMA 7000 series - designed for preventive safety, quality control maintenance and the continuous real time employee communication you need, to keep production up and running.

Don't risk production coming to a screeching halt. Our 7000 Series 4 & 4X provides maximum protection against windblown dust and splashing, hose-directed water through any of your industrial processes.

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.

Standard Features

- *Nema 4 – steel casing withstands dust, drip, splashing and hose-directed water*
- *Nema 4X – stainless steel casing protects against corrosion, dust, drip, splashing & hose directed water*
- *Easy Networking*
- *Character size: 1.5" – 7.2"*
- *Length options available*
- *One year USA Factory Warranty*
- *Stores & displays over 80 messages*
- *Flexibility of 1-4 line message*
- *Keyboard programmable from 30 ft.*

ADAPTIVE™
Adaptive Micro Systems Inc

ALPHA™ 7000-NEMA 4 & 4X

Sizes	7120	7160	7200
*Case Dimensions: (Power supply inside case)	42.24"L x 5.93"D x 13.70"H (107.29 cmL x 15.06 cmD x 34.8 cmH)	54.24"L x 5.93"D x 13.70"H (137.77 cmL x 15.06 cmD x 34.8 cmH)	66.24"L x 5.93"D x 13.70"H (168.25 cmL x 15.06 cmD x 34.8 cmH)
Approximate Weight:	60 lbs. (27.2 kg.)	70 lbs. (31.8 kg.)	80 lbs. (36.3 kg.)
Display Dimensions:	36"L x 7.2"H (91.5 cmL x 18.3 cmH)	48"L x 7.2"H (121.9 cmL x 18.3 cmH)	60"L x 7.2"H (152.4 cmL x 18.3 cmH)
Display Array	120 x 24 pixels	160 x 24 pixels	200 x 24 pixels
Characters Displayed in:	minimum/typical/maximum	minimum/typical/maximum	minimum/typical/maximum
One-Line:	10/12/15	14/16/20	18/20/25
Two-Line:	40/40/60	52/52/80	66/66/100
Three-Line:	60/60/90	78/78/120	99/99/150
Four-Line:	96/96/120	128/128/160	160/160/200
Text Memory	50,000 Characters typical	50,000 Characters typical	50,000 Characters typical
Graphic Memory:	40,000 = 50 Full screen graphics	40,000 = 40 Full screen graphics	40,000 = 30 Full screen graphics

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 (One-line format): (Two-line format): (Three-line format): (Four-line format):	7.2" (18.3 cm) 3.0" (7.6 cm) 2.1" (5.3 cm) 1.5" (3.9 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:	– 19 consisting of: Automode™, Hold, Roll (6 directions), Rotate, Sparkle-On, Twinkle, Interlock, Wipe (six directions) Flash and Scroll – Continuous message entry with automatic centering in any mode – User programmable logos and graphics – Five variable speed controls
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 ± 10% - 180 watts max for all models. (230 VAC models also available)
Keyboard:	Handheld, Eurostyle, IR remote
Case Material:	Nema 4–Steel Nema 4X–Stainless steel
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 – CE Marked
Operating Temperature:	32° to 120°F, 0° to 49°C
Temperature Control	Self regulated overheating protection
Mounting:	Hardware to accommodate ceiling or wall mounting
Enclosure Options:	– Designed to Nema 4 specifications – Designed to Nema 4X specifications – Meets Nema 12 specifications

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