

BRICK FIXED LOCATION VARIABLE MESSAGE SIGNS

PRODUCT CATALOG



SLOW DOWN
25 MPH CURVE
AHEAD



ADDSCO

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ADDCO understands that the best way to help our clients meet their business objectives and optimize their return on investment is through outstanding customer service and innovative, top quality products.

ADDCO products are designed to reduce your total cost of ownership.

ADDCO LLC was founded in 1953 in St. Paul, Minnesota on the values of world-class engineering, quality manufacturing and providing exceptional customer service. By dedicating the company to traffic sign solutions, ADDCO earned the reputation as a leader in the industry. These dedicated efforts have led to advanced technologies that only ADDCO can offer still today.

OUR ENGINEERS

Our engineers create solutions for real-world problems. They research root causes, develop new approaches and test from concept through implementation. ADDCO's track record in the field, reputation for product innovation and ISO 9001:2008 Quality Certification ensures that ADDCO Dynamic Message Signs will perform consistently even in the most demanding environments.

Visit our website or call
1.800.616.4408

 WWW.ADDCO.COM



ADDCO is the trusted supplier of over 10,000 DMS worldwide and counting

- Argentina
- Australia
- Brazil
- Canada
- Chile
- Iraq
- Mexico
- Netherlands
- New Zealand
- Singapore
- South Africa
- Taiwan
- UK
- USA



ADDCO technologies designs products, such as **BRICK®**, to withstand the extreme environmental spectrum.



From the blizzards of Canada to the sweltering deserts of Iraq, trust ADDCO.

ADDCO is committed to the different needs and requirements that are unique to the two different industry areas: **Permanent and Portable.**

ADDCO offers expertise in engineering, sales, operation and service specific to the Permanent DMS division, as well as the Portable CMS and Arrow Boards division.



ADDCO is proud to regularly and actively participate in the development and adoption of national and international standards for DMS design and communications protocol, such as NEMA Standards Publication TS4-2005 and NTCIP.



ENGINEERING

World-class engineering is a standard ADDCO meets with pride. With specialists in electrical, mechanical and software engineering that follow ISO 9001:2008 established processes and procedures, ADDCO offers innovative products of insurmountable quality and durability.

MANUFACTURING

At ADDCO, details are key. Each of the production steps are performed to exacting standards by a motivated and dedicated worker with their eye on quality and precision. Working in teams allows for the sharing of knowledge and experiences, which helps produce DMS that will stand the test of time. Fully-assembled equipment undergoes rigorous testing before shipping to ensure it meets the highest standards of operation, resilience and reliability. Furthermore, Customer Factory Acceptance Tests demonstrate that DMS Systems meet specific project specifications when required.

SERVICE AND SALES

24/7/365: our experienced customer service staff is available to answer questions and trouble shoot situations. Field technicians are on-hand to provide personal and prompt service when you need it most. Regional Sales Managers provide first-hand knowledge of the projects and resources of their areas. The entire ADDCO sales team has in-depth product knowledge to help you choose the DMS solution that is best for your application.



The ADDCO BRICK® is a pioneer for the sign industry. ADDCO has significantly expanded industry solutions to real-time information by inventing this unique, modular approach to DMS. BRICK®, a Modular Message Sign System, is the first sign of its type.



Do MORE with LESS.

BRICK® is environmentally sealed, eliminating the need for additional protection from any weather conditions. While traditional DMS require sealed sign cases for protection, the ADDCO BRICK® alleviates these design needs.

This greatly expands the possibilities where legibility, size, weight, lead times and environmental durability are of formidable concern.

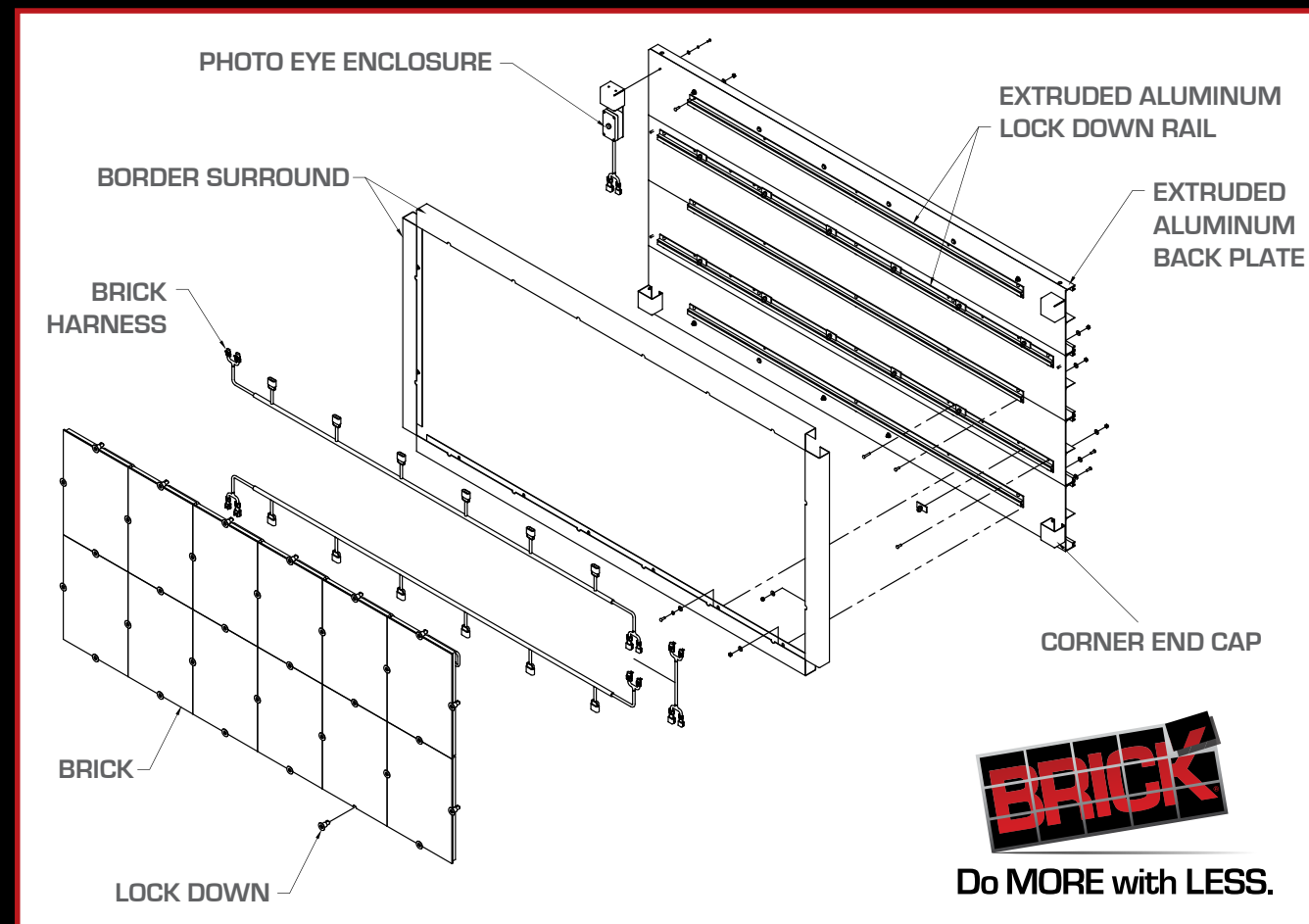
The weatherproof modular components are designed to withstand harsh elements, providing exceptional legibility in all types of weather.

No fans! No filters! No A/C! No heaters, defrosters or defoggers!



BUILDING WITH BRICK®

SAMPLE SIGN ASSEMBLY ILLUSTRATION



Do MORE with LESS.

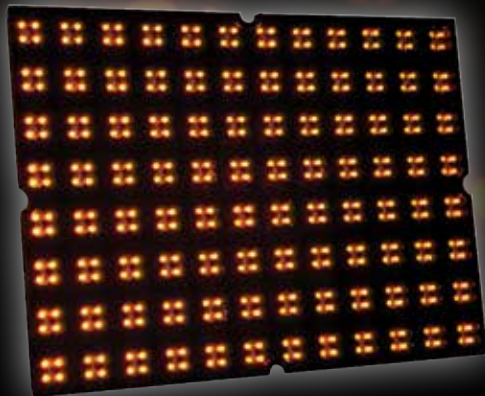
BRICK® IS MODULAR: various sign sizes and applications can easily be configured.

The mounting rail can be bolted to virtually any material, including wood, U-channel, aluminum, or existing static signs. The BRICK® can be configured horizontally or vertically for optimal flexibility.

- No Fans
- No Filters
- No Heaters
- No Costly Walk-In Enclosure
- No Seasonal Maintenance
- Waterproof Sealed Bus Connector
- Plug-and-Play Simplicity
- BRICK® Warranty: 2-Years
- Perfect Solution for Hybrid Signs
- Weighs up to 87% LESS than Walk-In DMS

"These days, with the way the controller is, the signs really are plug-and-play," says Joe Jeffrey, President of Road-Tech Safety Services, in reference to portable signs and BRICK products. "They've become really easy to integrate with other systems, which is very important for us. You put them out there, install them according to the instructions, and they work!"

THE BRICK[®] ADVANTAGE



**BUY FOR LESS.
INSTALL FOR LESS.
MAINTAIN FOR LESS.**

- 100% Sealed LED Display Module
- Impervious to dust, vibration, water, temperature, shock
- Less obtrusive, aesthetically pleasing finished sign
- Simplified quick and easy replacement of LED Display Modules
- Maintenance Free: no regularly scheduled maintenance required
- No fans, air filters, heaters, doors, or other components to fail
- Lightweight (up to 87% less than walk-in DMS)

EFFICIENT

No wasteful power conversions

EASY-MAINTENANCE

No environmental controls to upkeep

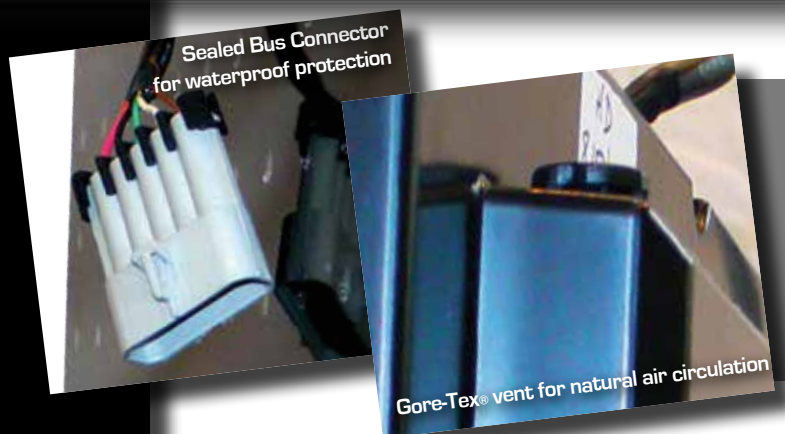
ENVIRO-FRIENDLY

Energy-saving and Solar-ready

BRICK[®]

Do MORE with LESS.

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MODULARITY This DMS does not have an enclosure in the traditional sense. Display boards are individually environmentally sealed and mounted directly to extruded aluminum back plates, making installation a breeze.

LIGHT-WEIGHT Each BRICK[®] weighs only about 4 pounds, allowing BRICK[®] Message Signs to weigh up to half of a traditional DMS. Structures and foundations can be designed with less material while maintaining the integrity and safety of each installation at a reduced cost.

ENERGY EFFICIENCY BRICK[®] provides a more environmentally friendly system, only available with ADDCO. The BRICK[®] design features a Gore-Tex[®] vent that allows each module to breathe with natural air circulation within its thermoplastic case, eliminating the need for fans, filters, defrosters or heaters. This can reduce the power consumption of each DMS site by up to 80%! This also allows for a solar power option where it is cost-prohibitive to run new power lines.

PORTABILITY The ease of installation, simplified structures and the mobility that solar power and cellular modems provide make future relocation much easier and cost-saving than traditional DMS.

CUSTOM DESIGN Without the restriction of traditional enclosures, each BRICK[®] DMS can be custom designed, horizontally or vertically, to specifically fit any application. See BrickBuilder: Pg 20

RE-USE BRICK[®] modules can be installed onto existing structures or to replace static guide signs without needing to reinforce the structure's integrity.

MAINTENANCE Each BRICK[®] is virtually maintenance-free. Without environmental control components, no routine maintenance is required. Repairs are significantly simplified as the display is built from independent display modules. Should a pixel failure occur or a BRICK[®] be physically damaged, the individual BRICK[®] is easily replaced and no other components need attention. This reduces spare parts inventory, as well as onsite service time.

Providing motorists with real-time information and allowing them to make informed choices continues to enhance the safety and efficiency of our roadway systems. A modular, re-configurable dynamic message sign system, BRICK® enables cost-effective and widespread deployment of this technology for an extensive variety of applications.

DMS CONFIGURATIONS ARE VIRTUALLY LIMITLESS WITH BRICK®. Thanks to its modularity, the BRICK® can be configured horizontally or vertically for maximum flexibility in sign size and application. The mounting rail can be bolted to virtually any material, such as flat back plates, aluminum extrusions, or existing static signs on new or existing structures.

Messaging is equally flexible, allowing for both text and graphic messages to be easily programmed using either a Hand Held Terminal (HHT) or ADDCO's Windows-based software with remote communication options. Text-based messages can vary in size and are not limited by any individual BRICK®.



All ADDCO products are NTCIP compliant

**GETTING
REAL-TIME
INFORMATION
IS EASIER,
FASTER,
AND MORE
COST-SAVING
THAN
EVER BEFORE.**

BRICK BASICS

LED An LED or "Light Emitting Diode" based sign as defined by NEMA Standards Publication TS4-2005, is a type of display technology using a semi-conductor device that emits a point of light in a controllable manner. The characteristics of the point of light are determined by the type of LED: color, cone of vision, luminance, etc. LEDs are used as the de-facto light source for DMS for their lower energy consumption, longer lifetime, smaller size and overall lower cost.



PIXEL PIXELS are points of light that illuminate together to form letters and graphics. On a BRICK® DMS, a pixel can be made up of four or eight LEDs.

RESOLUTION RESOLUTION of a DMS is the number of distinct pixels in each dimension that can be displayed, namely on the X and Y axis. Resolution refers to the pixel density (pixels PER unit area, not the TOTAL NUMBER of pixels), and is known as a DMS's "Pixel Pitch". The smaller the pixel pitch, the more pixels per unit area and tighter grouping of LEDs per pixel.

LED INTENSITY AND CONSISTENCY

Intensity of LEDs play a critical role in

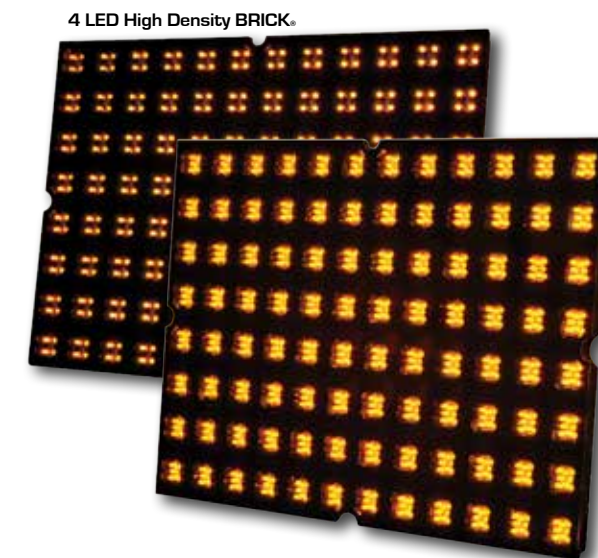
- Legibility
- Viewing Distance

LEDs are embedded in the sealed BRICK® module to

- Enhance contrast ratio
- Protect LEDs and Components

ADDCO BRICK® LEDs deliver

- Uniform brightness across display
- Superior legibility at 1,200 feet



4 LED High Density BRICK®

8 LED High Density BRICK®

BRICK® RESOLUTION The greater number of pixels per square foot, the greater amount of detail displayed. The type and number of LED are also considerations for resolution: BRICK® pixels use "through-hole" (TH) LEDs and have either 4 or 8 LED per pixel.

Standard Density BRICK® (70mm pixel pitch)

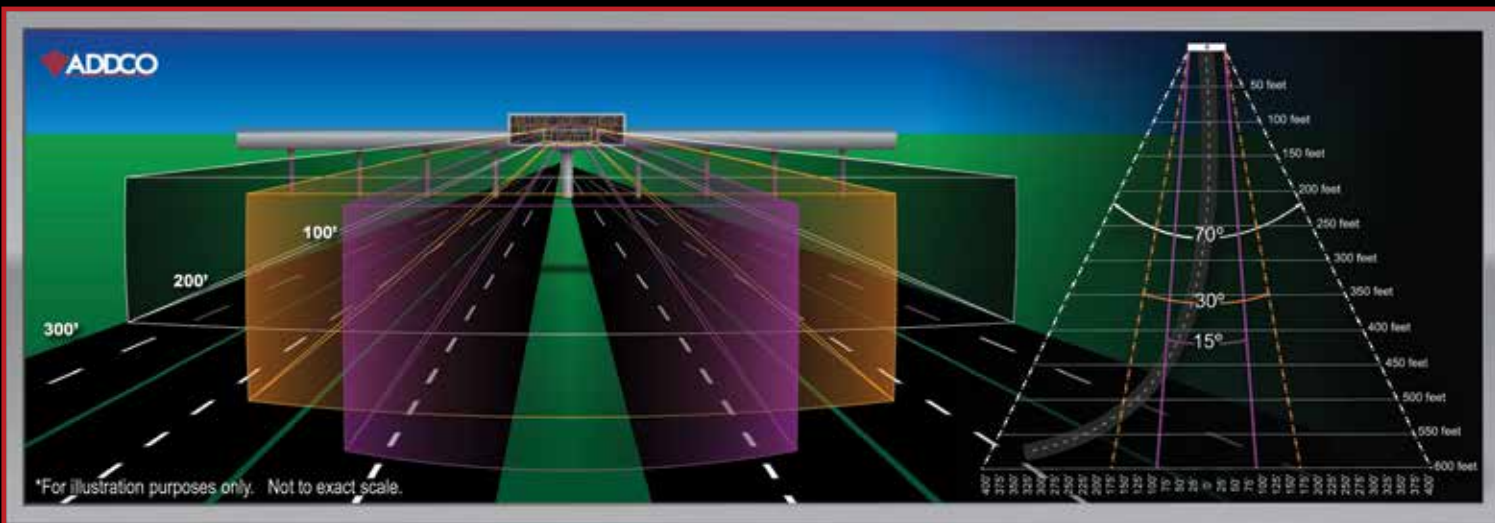
- Best for Text-Only Applications
- Most common use: 18" Character
7 Pixel height / Uppercase Lettering

High Density BRICK® (44mm pixel pitch)

- Best for Hybrid Text/Graphic Messages
- High Flexibility for Fonts
- Upper and Lowercase Lettering

TOTAL COST OF OWNERSHIP IS LOWEST WITH BRICK®

TEXT SIZE, VIEWING AND RANGE



EXTRA VIEWING TIME AT 600'

Rounded to the nearest second

70° to 30°		30° to 15°	
MPH	TIME	MPH	TIME
25	7	25	2
35	5	35	2
45	4	45	1
55	3	55	1
65	3	65	1

VIEWING ANGLE AND DISTANCE

The viewing angle is the maximum point at which a DMS can be seen off center and ready by an approaching motorist. The angle and motorists' speeds help determine which angularity is best suited to the application. ADDCO offers 15, 30 and 70 degree LEDs to meet any application need.

15°

- Straight roads
- When weather visibility restrictions may exist
- Directed at lanes of traffic depending on road topography

30°

- Mainline Freeways
- Arterial Streets
- On/Off Ramps
- Roadside-Mounted
- Overhead

70°

- Widest option available
- Best for road side installations requiring visibility in multiple lanes

MESSAGE TIME LEGIBILITY

Viewing time, in seconds, to read at the indicated character height

MAXIMUM VIEWING DISTANCE	MINIMUM CHARACTER HEIGHT	VEHICLE SPEED IN MPH/KPH					
		25/40	35/40	45/40	55/40	65/40	75/40
1100' / 274m	18" / 457mm	30	21	17	14	12	10
650' / 198m	12" / 330mm	18	13	10	8	7	6
450' / 137m	9" / 229mm	12	9	7	6	5	4
300' / 91m	6" / 152mm	8	6	5	4	3	3

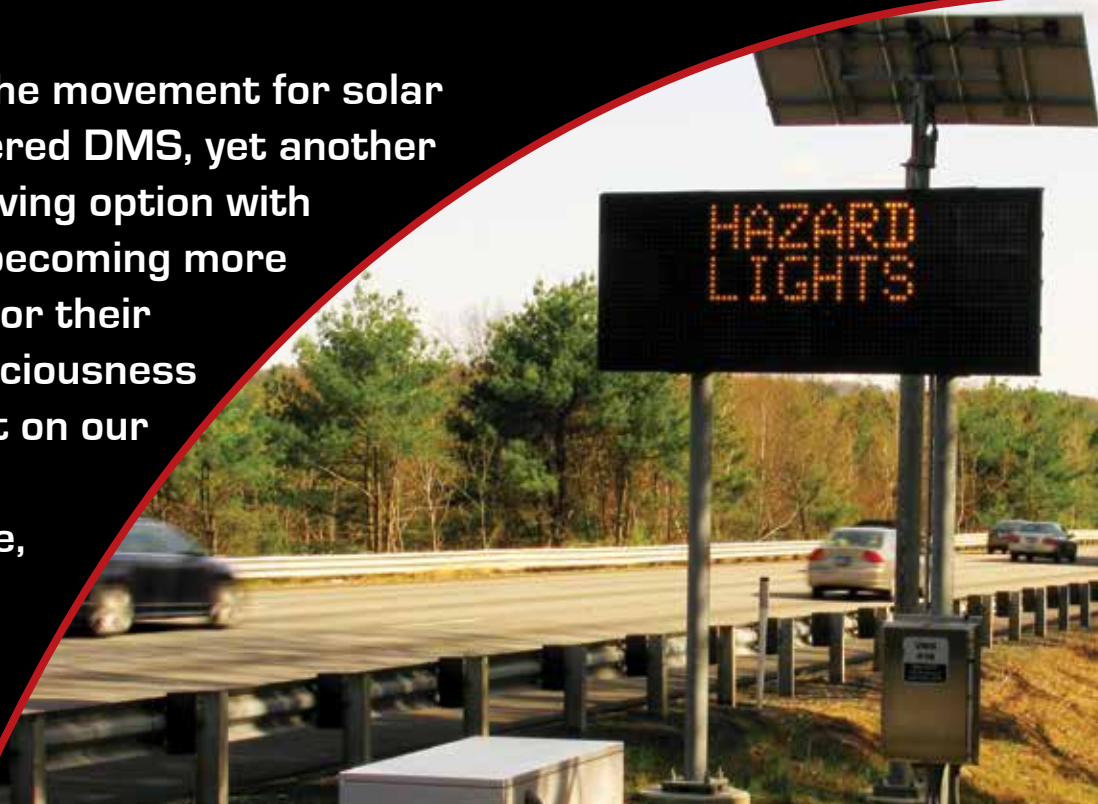
ADDCO works closely with its partners to select the best color and intensity LED Bins available. We look at flux rating, tint, Vf (forward voltage), and color. In addition to being environmentally sealed, all BRICK® LED boards have a silicon coat to further protect the IC components within the module for added resiliency.



SOLAR POWER

Solar-powered BRICK® DMS Systems are available in different configurations and sizes. There are many variables used to decipher power usage and savings: daylight hours, season, size of DMS, daily running time, pixel usage percent, battery type, etc. ADDCO focuses on these variables to design the most efficient solar powered DMS Systems, limiting discharge/recharge cycles to save battery lifecycles and increasing cost and energy efficiency.

ADDCO supports the movement for solar power: Solar Powered DMS, yet another energy and cost-saving option with BRICK® DMS, are becoming more and more popular for their energy-saving consciousness and positive impact on our environment. Solar energy is safe, clean, abundant, and efficient.



RESOLUTION



FULL MATRIX

all pixels are equidistant from one another, forming a continuous display area

- MAXIMUM FLEXIBILITY
- Variable font width, height and thickness
- Text/Graphic Combinations

LINE MATRIX

pixels are equidistant within rows, but a physical gap is placed between rows of text

- COST SAVING WITH GRAPHIC OPTIONS
- Messages with consistent font heights
- Width or thickness of font can vary
- Limited graphics are available but not recommended



CHARACTER MATRIX

pixels within the character are equidistant, but a physical gap is placed between characters and between rows

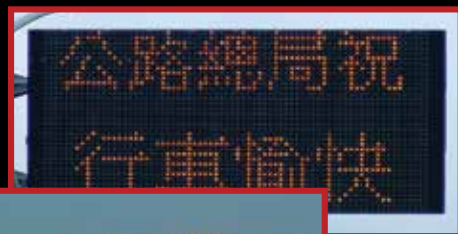
- MOST COST EFFECTIVE FOR FIXED FONT, TEXT ONLY
- Maximum size of message is limited to number of physical characters
- Restricted character height and width




AMBER FULL MATRIX HIGH RESOLUTION

most common DMS today with best pixel pitch to help ensure motorists receive quick and universally understandable messages


- Improved message legibility
- Create easily recognized graphics
- Sharper characters
- Multiple font sizes and graphics




THE RIGHT BRICK® FOR THE JOB




STANDARD DENSITY



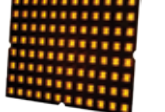
HIGH DENSITY



STANDARD DENSITY PIXEL DIAGNOSTIC



HIGH DENSITY PIXEL DIAGNOSTIC



Length	19.25" / 48.8cm	19.25" / 48.8cm	19.25" / 48.8cm	19.25" / 48.8cm
Width	13.75" / 34.9cm	13.75" / 34.9cm	13.75" / 34.9cm	13.75" / 34.9cm
Depth	2" / 5.08cm	2" / 5.08cm	2" / 5.08cm	2" / 5.08cm
Weight	4lbs / 1.8kg	4.3lbs / 1.95kg	4lbs / 1.8kg	4.3lbs / 1.95kg
Pixel Arrangement	5x7	8x12	5x7	8x12
Number of Pixels	35	96	35	96
LEDs Per Pixel	4	4	4 or 8	4 or 8
Pixel Pitch	2.7" / 70mm	1.72" / 44mm	2.7" / 70mm	1.72" / 44mm
IEC 60529 IP Rating	64	64	64	64
LED Type	591 nm Amber	591 nm Amber	591 nm Amber	591 nm Amber
Typical Character Size 5x7 Font	19.25" x 48.8cm	12" x 30.6cm	19.25" x 48.8cm	12" x 30.6cm
Angularity	15°, 70°	15°, 30° 70°	15°, 30° 70°	30°
Operating Temperature	-29.2°F to +165.2°F [-34°C to +74°C]	-29.2°F to +165.2°F [-34°C to +74°C]	-29.2°F to +165.2°F [-34°C to +74°C]	-29.2°F to +165.2°F [-34°C to +74°C]
Temperature Reporting	No	No	Yes	Yes

contact your ADDCO representative for more information

GRAPHICALLY SPEAKING...

35% Faster reaction time to graphic symbols on a DMS. Graphics can reduce the time required for motorists to recognize a message. It strongly decreases the time older drivers need to comprehend messages, and improves recognition among motorists with English as their second-language.

BRICK
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BRAINS BEHIND THE BRICK®

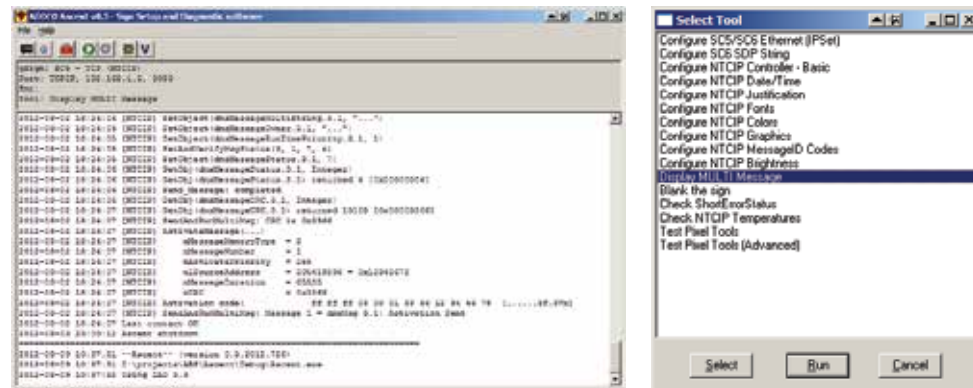
CONNECTIVITY

The ADDCO sign controller has both Ethernet and RS232 connectivity providing dedicated ports for local and remote communications. Communications to a Traffic Management Center (TMC), Traffic Operations Center (TOC), or Regional Traffic Management Center (RTMC) can be done through various interfaces, such as:

- Direct wire-line (fiber, twisted pair, etc.)
- POTS Dial-up / Modem
- Wireless: RF, Cellular dial-up, IP via GPRS, 1XRTT, CDMA
- IP / TCP or UDP
- RS-232 / RS-485



ADDCO's sign controller is NTCIPv2 compliant with backward compatibility to NTCIPv1. ADDCO offers BaseStation and ASCENT sign software free of charge. BaseStation is ADDCO's basic sign control software while ASCENT is ADDCO's NEW configuration and diagnostics tool for all ADDCO signs. Throughout the years ADDCO signs have been operated by a wide variety of other third party NTCIP software platforms, such as: IDI's Intelligent Control, Delcan's Intelligent NETWORKS, ICx Technologies' Cameleon, Transdyn's Dynac, Telvent's MIST, Transcore's TransSuite TIS, among others.



LOCAL CONTROL

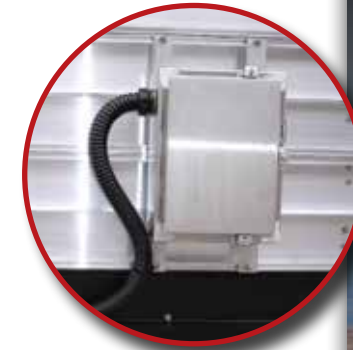
Local control of the DMS System is done using the Hand Held Terminal (HHT). This rugged terminal has a 14' coiled cord which extends to up to 20' and a standard RS-232 DB9 pin connector. The HHT gives you the flexibility to move away from traffic and in front of the sign. For increased security, the field technicians can keep the HHT in their truck. The HHT provides all message editing capabilities and sign diagnostics routines. For advanced local control and diagnostics you can connect to a laptop and use any dedicated NTCIP sign software. When required, a local/remote switch can be installed to toggle sign control modes.



CONTROL CABINETS

BRICK® DMS System Components are housed in a pole or ground mounted NEMA 3R Cabinet. Other cabinets can be used per application requirement, such as NEMA 4X, Caltrans 332 and Caltrans 334, among others. A NEMA 3R Distribution box is mounted on the aluminum back plate behind the sign to facilitate wiring from the ground control cabinet. ADDCO simplifies maintenance by locating all serviceable parts within the Control Cabinet, making everything easily accessible safely in one place on the side of the road.

- Communication Equipment
- DC Power Supplies
- Fuses
- Breakers
- GFI Outlets
- AC and DC Power Protection
- Sign Controller
- Hand Held Terminal



Controller Cabinets can be equipped with laptop shelves for further crew convenience. Other cabinet options, such as base adapters and solar shields, are also available.



OPTIONAL FEATURES

- Flashing Beacons
- Solar Powered Systems
- Redundant Power Supplies
- Contact Closure Event Messaging
- Uninterruptible Power Supply (UPS) Battery Back-Up

BRICK® DMS Systems are configured to each customer's requirements

GO GREEN
WITH
BRICK®

80% LESS ELECTRICITY

NO MOVING PARTS

NO SEASONAL

MAINTENANCE

REDUCED INVENTORIES

DISPLAY APPLICATIONS

MOUNTING

Lightweight BRICK® displays are the best DMS that can be mounted the same as a static sign, using an extruded aluminum back plate. The modularity of the BRICK® allows the display to be configured to fit the size of the message. BRICK® DMS can be mounted:

- Overhead
- Roadside
- Overpasses
- Bridges
- D-Channels
- Cantilevers
- Wood poles
- Existing Structures



ASSEMBLY AND TESTING

BRICK® DMS are manufactured, assembled and tested at the factory, ensuring that the DMS performs to specification and delivers ultimate value. Dedicated quality workmanship is visible on every sign. ADDCO's Quality Management System is ISO 9001:2008 certified and ensures consistent and best industry practices are used throughout the organization, not just in the production process.

PIXEL DIAGNOSTIC BRICKS

BRICK® has hardware and software that continuously monitor the status of each pixel within the BRICK®. This determines which, if any, pixels are permanently stuck either ON or OFF and will report a "pixel error" with the precise pixel location. Any NTCIP compliant software can test ADDCO LED signs and retrieve pixel status either locally or remotely via the ADDCO controller. Field techs can also use the local Hand Held Terminal (HHT) to run diagnostics onsite and see the report on the LCD screen.

- BACKGROUND TEST: does not visually disrupt the sign while in progress
- FOREGROUND TEST: disruption of 2-5 minutes, depending on size of the sign, before resuming message

FREEWAY



In rural settings, freeway DMS often serve as an integral part of weather responses. In urban settings, freeway DMS often take a primary role in providing travel time, congestion, incidents and other real-time information to motorists.

FACILITIES



Stadium, Special Events, Parking Facilities, Expanded Capacity: Guide motorists around facilities, advertise parking entrances and rates, attract customers, increase revenue, efficiency and safety.

ARTERIAL ROADS



Minimize congestion, reduce accidents, manage event traffic and communicate road conditions on corridors with high-traffic volume. Variable toll rates, travel times and speed limits are gaining popularity on arterial roads.

TOLL FACILITIES



Provide convenience and reduce congestion with clear instructions for motorists. High-Resolution are popular for toll facilities to improve communication as motorists approach.

MANAGED LANES



Increase the effectiveness of HOV lanes, HOT lanes and more. These smaller, more economical DMS display symbols, text and numbers instantly direct traffic to the most convenient lane.

BRIDGES

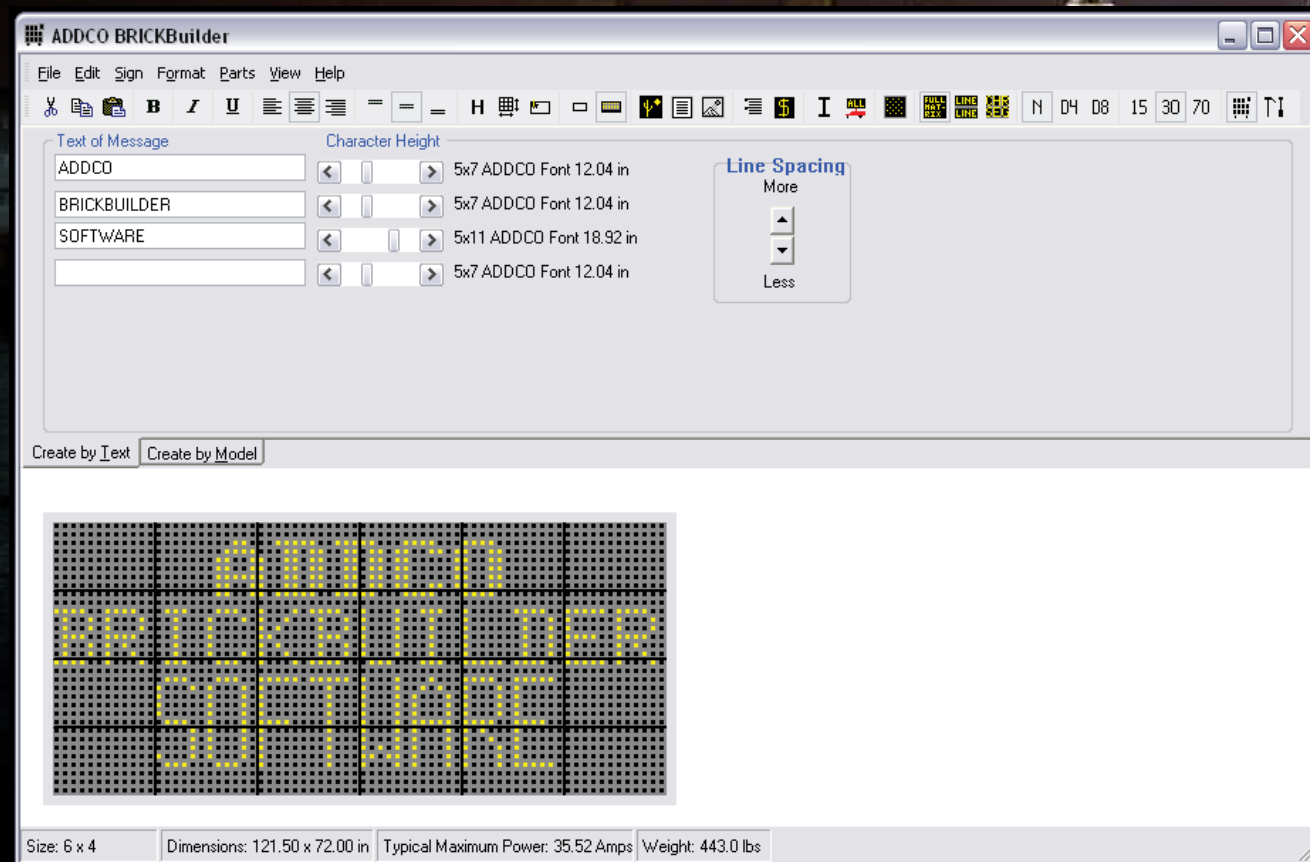


Mounting DMS to bridges can reduce the amount of structure required, saving overall project costs.

BRICK® BUILDER

CONTACT YOUR ADDCO REPRESENTATIVE FOR A FREE COPY

ADCCO's BRICKBuilder is an easy and intuitive to use software program designed to help you find the best BRICK® configuration for your application. It allows ITS engineers to correctly size the BRICK® DMS to fit the planned message sets. Type in the largest expected message and BRICKBuilder will determine the best size sign for that message. It also allows you to change the BRICK® orientation and density type for increased layout flexibility. Change the BRICK® type by selecting between different LED angularities or the number of LED per pixel. Use different font sizes or line spacing to see how the overall size of your sign changes to better accommodate weight and cost constraints. BRICKBuilder is the only tool in the market that provides a quick look at a DMS configuration, no more display screen size formula calculations!



Visit our website or call
1.800.616.4408

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BRICK® DMS MODEL SPECIFICATIONS

1. Nominal character heights and number of lines that fit on each DMS are calculated using the stated fonts. Many other font sizes are available. Contact ADDCO for details about other fonts.

2. The number of characters per line is calculated using the font stated and one pixel separator between characters and lines. Contact ADDCO for character capacity using other fonts.

3. Because of the unique attributes of the BRICK, the listed model numbers are only a small representation of common available sizes. The BRICK Modular DMS system allows you the flexibility to configure the modules in many different orientations to easily customize the display for a huge variety of applications.

4. Approx. Display Dimensions include a minimum 3" border around the display area.

5. Typical Power includes a partially illuminated DMS (15% of the pixels at full intensity), and the sign controller, operating with 14.1 VDC nominal power supplies at 80% efficiency. ADDCO uses universal input power supplies rated for 85-265 VAC, 50-60 Hz operation. 70mm pixel pitch displays assume SD4-30 BRICK power consumption. 44mm pixel pitch displays assume HD-30 BRICK power consumption.

6. All configurations are for full matrix signs. Line and character matrix configurations are also available. Contact ADDCO for details about other matrix configurations.

7. All BRICK Modular DMS systems have a nominal depth of 4.5" (0.11 m).

70 mm Pixel Spacing - Standard Density BRICK®
 2 lines of 18-inch characters
 15, 30 or 70 degree viewing cone
 4 or 8 LED per pixel
 Pixel Diagnostics optional on some models

Model Number	Approx. Display Dimensions (HxW)	Approx. Display Dimensions (HxW) Meters	Lines / Characters per line 7x5 Pixel Font	Pixel Resolution (HxW) Pixels	Weight Pounds	Weight Kilograms	Typical Power Watts
AF0-2SXAX-0903H	48" x 179.25"	1.22 x 4.55	2/10	15 x 63	489	220	89
AF0-2SXAX-1103H	48" x 217.75"	1.22 x 5.53	2/12	15 x 77	585	263	108
AF0-2SXAX-1303H	48" x 256.25"	1.22 x 6.51	2/15	15 x 91	680	306	128
AF0-2SXAX-1503H	48" x 294.75"	1.22 x 7.49	2/17	15 x 105	775	349	147
AF0-2SXAX-1603H	48" x 314"	1.22 x 7.98	2/18	15 x 112	823	370	157
AF0-2SXAX-1703H	48" x 333.25"	1.22 x 8.46	2/20	15 x 119	871	392	166
AF0-2SXAX-1803H	48" x 352.50"	1.22 x 8.95	2/21	15 x 126	919	414	176

3 lines of 18-inch characters
 15, 30 or 70 degree viewing cone
 4 or 8 LED per pixel
 Pixel Diagnostics optional on some models

Model Number	Approx. Display Dimensions (HxW)	Approx. Display Dimensions (HxW) Meters	Lines / Characters per line 7x5 Pixel Font	Pixel Resolution (HxW) Pixels	Weight Pounds	Weight Kilograms	Typical Power Watts
AF0-2SXAX-0905H	84" x 179.25"	2.13 x 4.55	3/10	25 x 63	786	354	147
AF0-2SXAX-1105H	84" x 217.75"	2.13 x 5.53	3/12	25 x 77	944	425	179
AF0-2SXAX-1305H	84" x 256.25"	2.13 x 6.51	3/15	25 x 91	1,102	496	212
AF0-2SXAX-1505H	84" x 294.75"	2.13 x 7.49	3/17	25 x 105	1,259	567	244
AF0-2SXAX-1605H	84" x 314"	2.13 x 7.98	3/18	25 x 112	1,338	602	260
AF0-2SXAX-1705H	84" x 333.25"	2.13 x 8.46	3/20	25 x 119	1,416	637	276
AF0-2SXAX-1805H	84" x 352.50"	2.13 x 8.95	3/21	25 x 126	1,495	673	292

BRICK
 Do MORE with LESS.
www.ADDCO.com

Product specifications are subject to change without notice.

FIXED LOCATION VARIABLE MESSAGE SIGNS

44 mm Pixel Spacing - High Density BRICK®

2 lines of 12-inch characters
 15, 30 or 70 degree viewing cone
 4 or 8 LED per pixel

Pixel Diagnostics optional on some models

Model Number	Approx. Display Dimensions (HxW)	Approx. Display Dimensions (HxW) Meters	Lines / Characters per line 7x5 Pixel Font	Pixel Resolution (HxW) Pixels	Weight Pounds	Weight Kilograms	Typical Power Watts
AFO-2HXAX-0502H	36" x 102.25"	0.91 x 2.60	2/10	16 x 60	225	101	44
AFO-2HXAX-0602H	36" x 121.50"	0.91 x 3.09	2/12	16 x 72	260	117	52
AFO-2HXAX-0802H	36" x 160"	0.91 x 4.06	2/15	16 x 96	328	148	69
AFO-2HXAX-0902H	36" x 179.25"	0.91 x 4.55	2/17	16 x 108	362	163	78
AFO-2HXAX-0902H	36" x 179.25"	0.91 x 4.55	2/18	16 x 108	362	163	78
AFO-2HXAX-1002H	36" x 198.50"	0.91 x 5.04	2/20	16 x 120	397	179	86
AFO-2HXAX-1102H	36" x 217.75"	0.91 x 5.53	2/21	16 x 132	431	194	94

3 lines of 12-inch characters
 15, 30 or 70 degree viewing cone
 4 or 8 LED per pixel

Pixel Diagnostics optional on some models

Model Number	Approx. Display Dimensions (HxW)	Approx. Display Dimensions (HxW) Meters	Lines / Characters per line 7x5 Pixel Font	Pixel Resolution (HxW) Pixels	Weight Pounds	Weight Kilograms	Typical Power Watts
AFO-2HXAX-0503H	48" x 102.25"	1.22 x 2.60	3/10	24 x 60	298	134	65
AFO-2HXAX-0603H	48" x 121.50"	1.22 x 3.09	3/12	24 x 72	346	156	78
AFO-2HXAX-0803H	48" x 160"	1.22 x 4.06	3/15	24 x 96	441	198	103
AFO-2HXAX-0903H	48" x 179.25"	1.22 x 4.55	3/17	24 x 108	489	220	115
AFO-2HXAX-0903H	48" x 179.25"	1.22 x 4.55	3/18	24 x 108	489	220	115
AFO-2HXAX-1003H	48" x 198.50"	1.22 x 5.04	3/20	24 x 120	537	242	128
AFO-2HXAX-1103H	48" x 217.75"	1.22 x 5.53	3/21	24 x 132	585	263	141

4 lines of 12-inch characters
 15, 30 or 70 degree viewing cone
 4 or 8 LED per pixel

Pixel Diagnostics optional on some models

Model Number	Approx. Display Dimensions (HxW)	Approx. Display Dimensions (HxW) Meters	Lines / Characters per line 7x5 Pixel Font	Pixel Resolution (HxW) Pixels	Weight Pounds	Weight Kilograms	Typical Power Watts
AFO-2HXAX-0504H	72" x 102.25"	1.83 x 2.60	4/10	32 x 60	397	179	86
AFO-2HXAX-0604H	72" x 121.50"	1.83 x 3.09	4/12	32 x 72	463	208	103
AFO-2HXAX-0804H	72" x 160"	1.83 x 4.06	4/15	32 x 96	594	267	137
AFO-2HXAX-0904H	72" x 179.25"	1.83 x 4.55	4/17	32 x 108	659	297	153
AFO-2HXAX-0904H	72" x 179.25"	1.83 x 4.55	4/18	32 x 108	659	297	153
AFO-2HXAX-1004H	72" x 198.50"	1.83 x 5.04	4/20	32 x 120	725	326	170
AFO-2HXAX-1104H	72" x 217.75"	1.83 x 5.53	4/21	32 x 132	790	356	187

5 lines of 12-inch characters
 15, 30 or 70 degree viewing cone
 4 or 8 LED per pixel

Pixel Diagnostics optional on some models

Model Number	Approx. Display Dimensions (HxW)	Approx. Display Dimensions (HxW) Meters	Lines / Characters per line 7x5 Pixel Font	Pixel Resolution (HxW) Pixels	Weight Pounds	Weight Kilograms	Typical Power Watts
AFO-2HXAX-0505H	84" x 102.25"	2.13 x 2.60	5/10	40 x 60	470	212	107
AFO-2HXAX-0605H	84" x 121.50"	2.13 x 3.09	5/12	40 x 72	549	247	128
AFO-2HXAX-0805H	84" x 160"	2.13 x 4.06	5/15	40 x 96	707	318	170
AFO-2HXAX-0905H	84" x 179.25"	2.13 x 4.55	5/17	40 x 108	786	354	191
AFO-2HXAX-0905H	84" x 179.25"	2.13 x 4.55	5/18	40 x 108	786	354	191
AFO-2HXAX-1005H	84" x 198.50"	2.13 x 5.04	5/20	40 x 120	865	389	212
AFO-2HXAX-1105H	84" x 217.75"	2.13 x 5.53	5/21	40 x 140	944	425	246

2 lines of 10-inch characters
 15, 30 or 70 degree viewing cone
 4 or 8 LED per pixel

Pixel Diagnostics optional on some models

Model Number	Approx. Display Dimensions (HxW)	Approx. Display Dimensions (HxW) Meters	Lines / Characters per line 6x4 Pixel Font	Pixel Resolution (HxW) Pixels	Weight Pounds	Weight Kilograms	Typical Power Watts
AFO-2HXAX-0502H	36" x 102.25"	0.91 x 2.60	2/10	16 x 60	225	101	44
AFO-2HXAX-0502H	36" x 102.25"	0.91 x 2.60	2/12	16 x 60	225	101	44
AFO-2HXAX-0702H	36" x 140.75"	0.91 x 3.58	2/15	16 x 84	294	132	61
AFO-2HXAX-0702H	36" x 140.75"	0.91 x 3.58	2/17	16 x 84	294	132	61
AFO-2HXAX-0902H	36" x 179.25"	0.91 x 4.55	2/20	16 x 96	362	163	70

3 lines of 10-inch characters
 15, 30 or 70 degree viewing cone
 4 or 8 LED per pixel

Pixel Diagnostics optional on some models

Model Number	Approx. Display Dimensions (HxW)	Approx. Display Dimensions (HxW) Meters	Lines / Characters per line 6x4 Pixel Font	Pixel Resolution (HxW) Pixels	Weight Pounds	Weight Kilograms	Typical Power Watts
AFO-2HXAX-0702V	48" x 102.25"	1.22 x 2.60	3/10	24 x 56	273	123	61
AFO-2HXAX-0503H	48" x 102.25"	1.22 x 2.60	3/12	24 x 60	298	134	65
AFO-2HXAX-1002V	48" x 143.50"	1.22 x 3.64	3/15	24 x 80	366	165	86
AFO-2HXAX-0703H	48" x 140.75"	1.22 x 3.58	3/17	24 x 84	394	177	90
AFO-2HXAX-1302V	48" x 184.75"	1.22 x 4.69	3/20	24 x 104	473	213	111

4 lines of 10-inch characters
 15, 30 or 70 degree viewing cone
 4 or 8 LED per pixel
 Pixel Diagnostics optional on some models

Model Number	Approx. Display Dimensions (HxW)	Approx. Display Dimensions (HxW) Meters	Lines / Characters per line 6x4 Pixel Font	Pixel Resolution (HxW) Pixels	Weight Pounds	Weight Kilograms	Typical Power Watts
AFO-2HXAX-0504H	72" x 102.25"	1.83 x 2.60	4/10	32 x 60	397	179	86
AFO-2HXAX-0504H	72" x 102.25"	1.83 x 2.60	4/12	32 x 60	397	179	86
AFO-2HXAX-0704H	72" x 140.75"	1.83 x 3.58	4/15	32 x 84	528	238	120
AFO-2HXAX-0704H	72" x 140.75"	1.83 x 3.58	4/17	32 x 84	528	238	120
AFO-2HXAX-0904H	72" x 179.25"	1.83 x 4.55	4/20	32 x 108	659	297	153

5 lines of 10-inch characters
 15, 30 or 70 degree viewing cone
 4 or 8 LED per pixel
 Pixel Diagnostics optional on some models

Model Number	Approx. Display Dimensions (HxW)	Approx. Display Dimensions (HxW) Meters	Lines / Characters per line 6x4 Pixel Font	Pixel Resolution (HxW) Pixels	Weight Pounds	Weight Kilograms	Typical Power Watts
AFO-2HXAX-0703V	72" x 102.25	1.83 x 2.60	5/10	36 x 56	382	172	90
AFO-2HXAX-0803V	72" x 116	1.83 x 2.95	5/12	36 x 64	427	192	103
AFO-2HXAX-1003V	72" x 143.50	1.83 x 3.64	5/15	36 x 80	518	233	128
AFO-2HXAX-1103V	72" x 157.15	1.83 x 3.99	5/17	36 x 88	563	253	141
AFO-2HXAX-1303V	72" x 184.75	1.83 x 4.69	5/20	36 x 104	677	305	166

6 lines of 10-inch characters
 15, 30 or 70 degree viewing cone
 4 or 8 LED per pixel
 Pixel Diagnostics optional on some models

Model Number	Approx. Display Dimensions (HxW)	Approx. Display Dimensions (HxW) Meters	Lines / Characters per line 6x4 Pixel Font	Pixel Resolution (HxW) Pixels	Weight Pounds	Weight Kilograms	Typical Power Watts
AFO-2HXAX-0704V	84" x 102.25	2.13 x 2.60	6/10	48 x 56	469	211	120
AFO-2HXAX-0506H	96" x 102.25	2.44 x 2.60	6/12	48 x 60	545	245	128
AFO-2HXAX-1004V	84" x 143.50	2.13 x 3.64	6/15	48 x 80	638	287	170
AFO-2HXAX-0706H	96" x 140.75	2.44 x 3.58	6/17	48 x 84	729	328	179
AFO-2HXAX-1304V	84" x 184.75	2.13 x 4.69	6/20	48 x 104	841	378	221



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