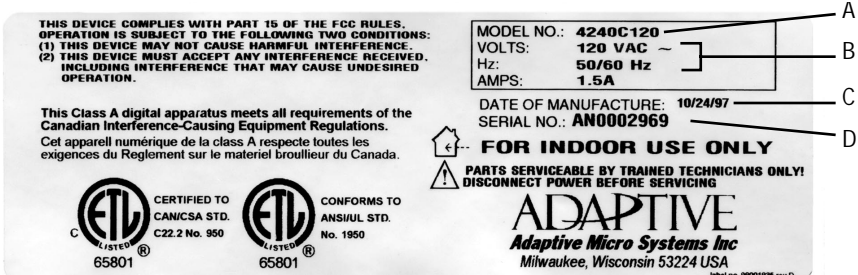


Introduction

Signs are identified by a label similar to the following. This document explains the meaning of the sections of sign labels and sign model numbers.

Model	Description																									
Generic information for all models																										
	Table 1: Information on labels																									
	<table border="1"> <tr> <td data-bbox="430 819 487 861">A</td> <td data-bbox="487 819 698 861">Model number</td> <td data-bbox="698 819 1412 861">Type of sign, size, color capability.</td> </tr> <tr> <td data-bbox="430 871 487 913">B</td> <td data-bbox="487 871 698 913">Electrical information</td> <td data-bbox="698 871 1412 913">Input voltage, frequency, and amperage.</td> </tr> <tr> <td data-bbox="430 924 487 966">C</td> <td data-bbox="487 924 698 966">Date of manufacture</td> <td data-bbox="698 924 1412 966">Month, day, and year the sign was made.</td> </tr> <tr> <td data-bbox="430 976 487 1018">D</td> <td data-bbox="487 976 698 1018">Serial number</td> <td data-bbox="698 976 1412 1018">Consecutive identification number. (This number starts from an offset, not from 0.)</td> </tr> </table>	A	Model number	Type of sign, size, color capability.	B	Electrical information	Input voltage, frequency, and amperage.	C	Date of manufacture	Month, day, and year the sign was made.	D	Serial number	Consecutive identification number. (This number starts from an offset, not from 0.)													
	A	Model number	Type of sign, size, color capability.																							
B	Electrical information	Input voltage, frequency, and amperage.																								
C	Date of manufacture	Month, day, and year the sign was made.																								
D	Serial number	Consecutive identification number. (This number starts from an offset, not from 0.)																								
Table 2: Definitions																										
<table border="1"> <tr> <td data-bbox="430 1081 698 1144">CE</td> <td data-bbox="698 1081 1412 1144">Conformité Européenne. Insignia indicates conformity to European Council directives for various categories of products. Necessary to sell a product in Europe.</td> </tr> <tr> <td data-bbox="430 1155 698 1228">Character height</td> <td data-bbox="698 1155 1412 1228">Number of horizontal rows of LEDs used for a character in a one-line format. The typical height is 7. Fractions are dropped, e.g., 4.8" is denoted as 4.</td> </tr> <tr> <td data-bbox="430 1239 698 1312">Character height-to-pitch relationship</td> <td data-bbox="698 1239 1412 1312">Character height (rows) times the pitch equals height of characters. For example, for an Alpha 215, 7 rows times 0.3 inches = 2.1 inches.</td> </tr> <tr> <td data-bbox="430 1323 698 1365">CM (Character matrix)</td> <td data-bbox="698 1323 1412 1365">Displays characters only (not graphics) in discrete blocks of LEDs.</td> </tr> <tr> <td data-bbox="430 1375 698 1438">ETL</td> <td data-bbox="698 1375 1412 1438">Originally "Edison Testing Laboratories," now just "ETL". Tests and certifies conformity to both domestic and international standards.</td> </tr> <tr> <td data-bbox="430 1449 698 1522">FCC</td> <td data-bbox="698 1449 1412 1522">Federal Communications Commission. Regulates radio frequency emissions from and interaction between electrical and communications devices. Domestic only.</td> </tr> <tr> <td data-bbox="430 1533 698 1575">FM (Full matrix)</td> <td data-bbox="698 1533 1412 1575">Displays characters and graphics, with no empty spaces between blocks of LEDs.</td> </tr> <tr> <td data-bbox="430 1585 698 1627">LD</td> <td data-bbox="698 1585 1412 1627">The prefix for the Director sign (formerly called "Lobby Display".)</td> </tr> <tr> <td data-bbox="430 1638 698 1711">NEMA</td> <td data-bbox="698 1638 1412 1711">National Electrical Manufacturing Association. Creates standards for enclosures for electrical devices. Domestic only.</td> </tr> <tr> <td data-bbox="430 1722 698 1764">Pitch</td> <td data-bbox="698 1722 1412 1764">The center-to-center spacing between adjacent LEDs.</td> </tr> <tr> <td data-bbox="430 1774 698 1816">PV</td> <td data-bbox="698 1774 1412 1816">The prefix for an ALPHA Solar sign (formerly called "PowerView".)</td> </tr> <tr> <td data-bbox="430 1827 698 1869">Tri-color</td> <td data-bbox="698 1827 1412 1869">Capable of red, green, and amber colors.</td> </tr> <tr> <td data-bbox="430 1879 698 1932">UL</td> <td data-bbox="698 1879 1412 1932">Underwriters Laboratories. Creates testing standards for safety (electrical, shock, fire hazard, etc.) Tests and certifies both domestically and internationally.</td> </tr> </table>	CE	Conformité Européenne. Insignia indicates conformity to European Council directives for various categories of products. Necessary to sell a product in Europe.	Character height	Number of horizontal rows of LEDs used for a character in a one-line format. The typical height is 7. Fractions are dropped, e.g., 4.8" is denoted as 4.	Character height-to-pitch relationship	Character height (rows) times the pitch equals height of characters. For example, for an Alpha 215, 7 rows times 0.3 inches = 2.1 inches.	CM (Character matrix)	Displays characters only (not graphics) in discrete blocks of LEDs.	ETL	Originally "Edison Testing Laboratories," now just "ETL". Tests and certifies conformity to both domestic and international standards.	FCC	Federal Communications Commission. Regulates radio frequency emissions from and interaction between electrical and communications devices. Domestic only.	FM (Full matrix)	Displays characters and graphics, with no empty spaces between blocks of LEDs.	LD	The prefix for the Director sign (formerly called "Lobby Display".)	NEMA	National Electrical Manufacturing Association. Creates standards for enclosures for electrical devices. Domestic only.	Pitch	The center-to-center spacing between adjacent LEDs.	PV	The prefix for an ALPHA Solar sign (formerly called "PowerView".)	Tri-color	Capable of red, green, and amber colors.	UL	Underwriters Laboratories. Creates testing standards for safety (electrical, shock, fire hazard, etc.) Tests and certifies both domestically and internationally.
CE	Conformité Européenne. Insignia indicates conformity to European Council directives for various categories of products. Necessary to sell a product in Europe.																									
Character height	Number of horizontal rows of LEDs used for a character in a one-line format. The typical height is 7. Fractions are dropped, e.g., 4.8" is denoted as 4.																									
Character height-to-pitch relationship	Character height (rows) times the pitch equals height of characters. For example, for an Alpha 215, 7 rows times 0.3 inches = 2.1 inches.																									
CM (Character matrix)	Displays characters only (not graphics) in discrete blocks of LEDs.																									
ETL	Originally "Edison Testing Laboratories," now just "ETL". Tests and certifies conformity to both domestic and international standards.																									
FCC	Federal Communications Commission. Regulates radio frequency emissions from and interaction between electrical and communications devices. Domestic only.																									
FM (Full matrix)	Displays characters and graphics, with no empty spaces between blocks of LEDs.																									
LD	The prefix for the Director sign (formerly called "Lobby Display".)																									
NEMA	National Electrical Manufacturing Association. Creates standards for enclosures for electrical devices. Domestic only.																									
Pitch	The center-to-center spacing between adjacent LEDs.																									
PV	The prefix for an ALPHA Solar sign (formerly called "PowerView".)																									
Tri-color	Capable of red, green, and amber colors.																									
UL	Underwriters Laboratories. Creates testing standards for safety (electrical, shock, fire hazard, etc.) Tests and certifies both domestically and internationally.																									

Model	Description
ALPHA model	<p style="text-align: center;">4120C120</p> <p><u>Character height</u> In this case, each letter is about 4" high.</p> <p><u>Width</u> in number of columns of LEDs.</p> <p><u>LED color</u> R = Red C = Color</p> <p><u>AC voltage</u> 120 = 88-132 VAC 230 = 170-264 VAC</p>
ALPHA model with enclosure for NEMA 2 protection	<p style="text-align: center;">N02CM040012P03TRI120</p> <p><u>Identification code</u> In this case, for an ALPHA NEMA 2 character matrix sign.</p> <p><u>Characters in a line</u> The number of LED characters in a line. In this case, there are 40 characters.</p> <p><u>Number of lines</u> The number of lines of characters on a sign. In this case, there are 12 lines.</p> <p><u>LED pitch</u> In this case, the pitch is 0.3 inches.</p> <p><u>LED color</u> TRI = tri-color</p> <p><u>AC voltage</u> 120 = 88-132 VAC 230 = 170-264 VAC</p>
AlphaVision	<p style="text-align: center;">CM024004P03TRI</p> <p><u>Matrix type</u> CM (character matrix)</p> <p><u>Characters</u> Number of characters available in a line.</p> <p><u>Lines</u> The number of lines available on a sign.</p> <p><u>LED pitch</u> In this case, the pitch is 0.3 inches.</p> <p><u>LED color</u> TRI = tri-color RED = red SBR = Super-bright red</p> <p style="text-align: center;">FM128032P03RED</p> <p><u>Matrix type</u> FM (full matrix)</p> <p><u>Columns</u> Number of columns of LEDs.</p> <p><u>Rows</u> The number of rows of LEDs.</p> <p><u>LED pitch</u> In this case, the pitch is 0.3 inches.</p> <p><u>LED color</u> TRI = tri-color RED = red SBR = Super-bright red</p>
ALPHA Director	<p style="text-align: center;">LD016008P02TRI</p> <p><u>Prefix</u> LD, only available in character matrix</p> <p><u>Characters</u> Number of characters available in a line.</p> <p><u>Lines</u> Number of lines available on a sign</p> <p><u>LED pitch</u> In this case, the pitch is 0.2 inches.</p> <p><u>LED color</u> TRI = tri-color</p>
ALPHA Solar	<p style="text-align: center;">PV096016P045SBR</p> <p><u>Prefix</u> PV</p> <p><u>Columns</u> Number of LED columns</p> <p><u>Rows</u> The number of LED rows</p> <p><u>LED pitch</u> In this case, the pitch is 0.45 inches.</p> <p><u>LED color</u> SBR = Super-bright red SBA = Super-bright amber</p>