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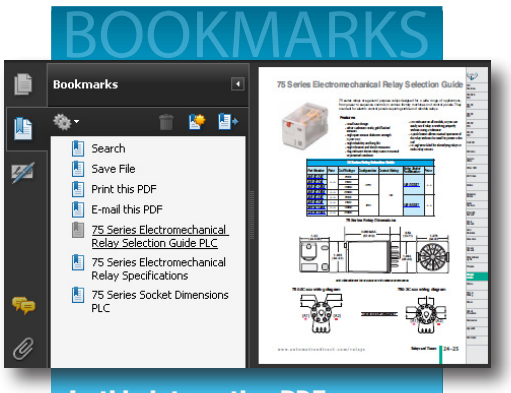
VIEWMARQ®
LED MESSAGE DISPLAY

Industrial Message Display



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Company Information
Control Systems Overview
CLICK PLC
Do-More PLCs Overview
Do-More H2 PLC
Do-More T1H PLC
DirectLOGIC PLCs Overview
DirectLOGIC DL05/06
DirectLOGIC DL105
DirectLOGIC DL205
DirectLOGIC DL305
DirectLOGIC DL405
Productivity Controller Overview
Productivity 2000
Productivity 3000
Universal Field I/O
Software
C-More HMI
C-More Micro HMI
ViewMarq Industrial Marquees
Other HMI
Communications
Appendix Book 1
Terms and Conditions

VIEWMARQ®
LED MESSAGE DISPLAY

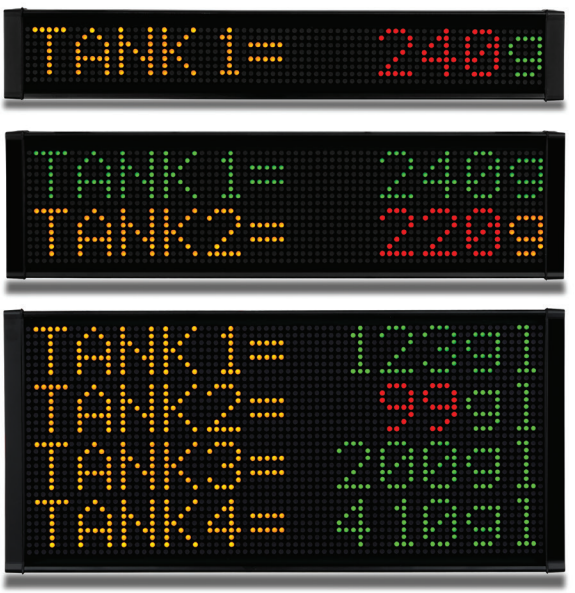
starting at
$435.00

Overview

ViewMarq is an Industrial LED Message Display that utilizes the latest LED and communications technologies to help communicate important information. ViewMarq can display real-time factory floor data, with messages controlled from a PLC or any other device that uses the supported protocols. Embedded data support allows real-time production data from the controller to be contained within each message. The free configuration software allows you to create pre-formatted message strings that can be loaded into the PLC. This data can then be displayed in real-time messages that help to keep your facility productive and informed.

Features

- **UL508, CE, RoHS**
- **NEMA 4 (Wash Down)**
- **NEMA 12 (Dust, Oil, Water, and Dirt)**



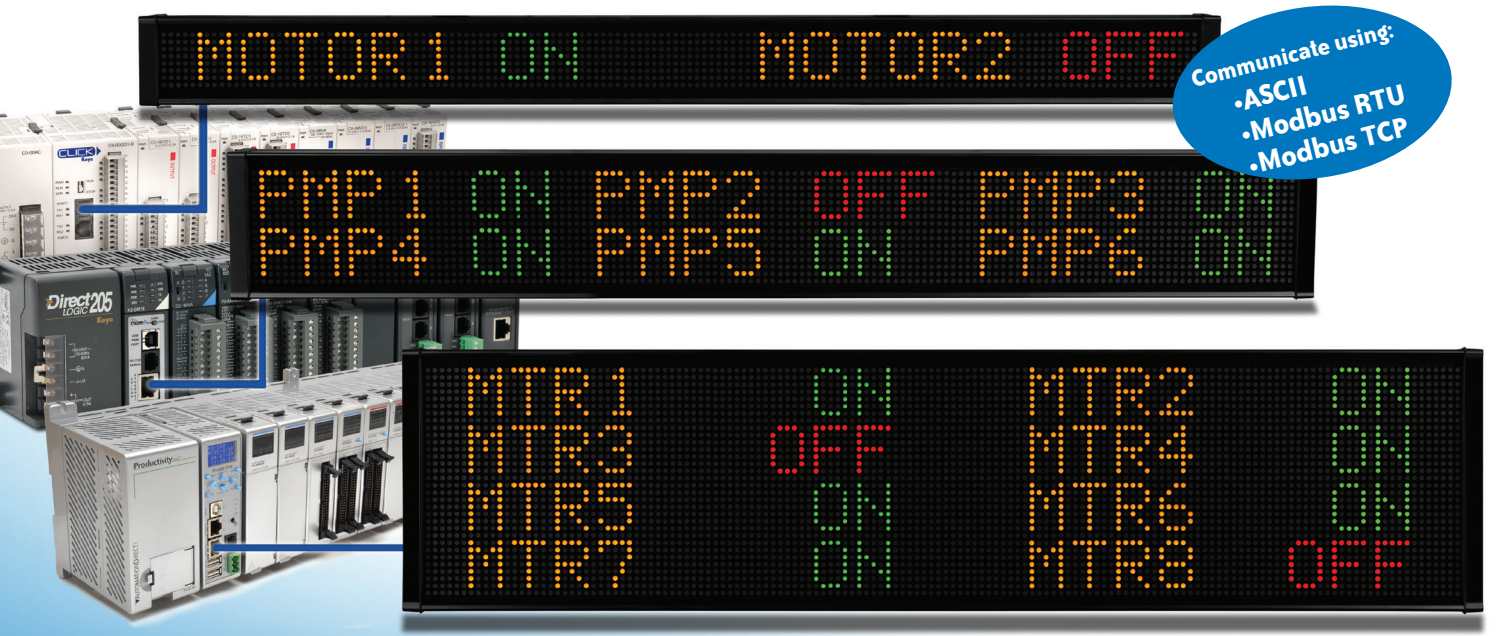
Message Control

The ViewMarq message displays utilize both serial and Ethernet communications and can be connected to a PLC or PC or any device capable of serial ASCII master, Modbus RTU, or Modbus TCP communications. Messages can be controlled by any of the following methods:

- **ASCII Input Strings through the RS232 or RS485 port**
- **Modbus RTU Messages through the RS232 or RS485 port**
- **Modbus TCP Messages through the Ethernet port**

Features

- One-, two-, or four-line displays
- **Store and trigger up to 200 messages**
- Scrolling messages
- Blinking text and messages
- Display embedded PLC string and numeric variables
- Tri-Color LED (Red, Green, Amber)
- Built-in Ethernet port; RS-232, and RS-485 serial ports
- Free, easy-to-use configuration software package
- Low power consumption, high-efficiency switch mode power supply reduces cost of ownership
- Wall mount / cabinet top mount or chain mount - brackets included
- All the configuration parameters are set through software for ease of use.
  (No DIP switches.)
- Customer configured messages can be sent via an ASCII serial string, Modbus RTU or Modbus TCP protocols
- Serial RS232/485 and Ethernet Modbus TCP communications can be used at the same time



FREE Configuration Software!

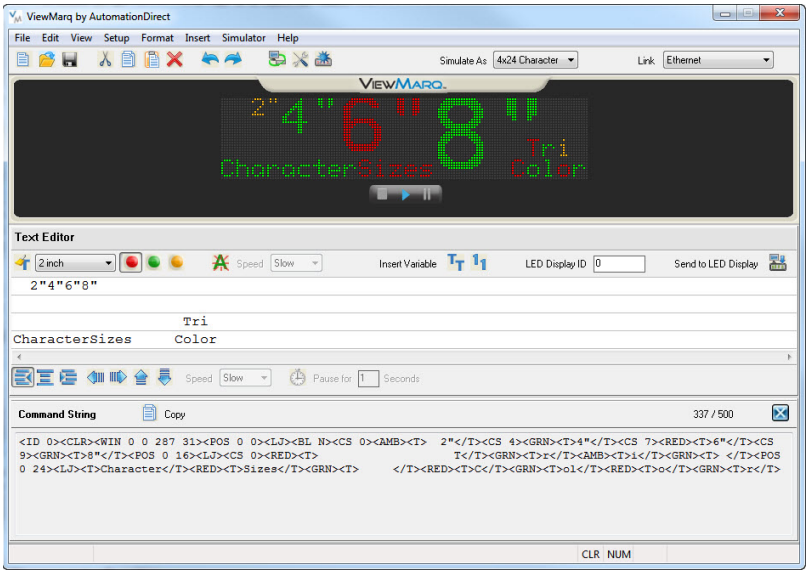
ViewMarq Configuration Software is designed to help you create messages with ease. Simply type your message in the text editor and immediately see the results in the included simulator. Change character colors and sizes or add features such as scrolling and blinking. This software utility gives you multiple functionality, allowing you to:

- Create and preview messages on your PC
- Send messages to the ***ViewMarq*** LED display
- Configure the ***ViewMarq*** to communicate with a PLC
- Create ASCII string commands that may be used in the PLC instructions to control the ***ViewMarq***. The software generates the required ASCII command string from your message and then allowsyou to copy and paste the string into your ladder logic program in your PLC.

Download the Software

The ViewMarq Configuration Software can be downloaded at no charge from the AutomationDirect Web site, or a CD version may be purchased for $10 by ordering p/n MD-PGMSW. Help files are included in the software.

ViewMarq Configuration Software
Part Number: MD-PGMSW



Built-in Message Simulator

- Displays formatted message on your PC as you type.
- Test all of your messages before downloading.
- Saving time saves you money!

Simple Message Creation

- Message creation and editing is made simple and fast with intuitive software. Easy-to-find tools help change the character color, add blinking, and insert embedded variables.

Command String Viewer

- Allows you to copy and paste the command string needed for your PLC ladder code.

Message Lists

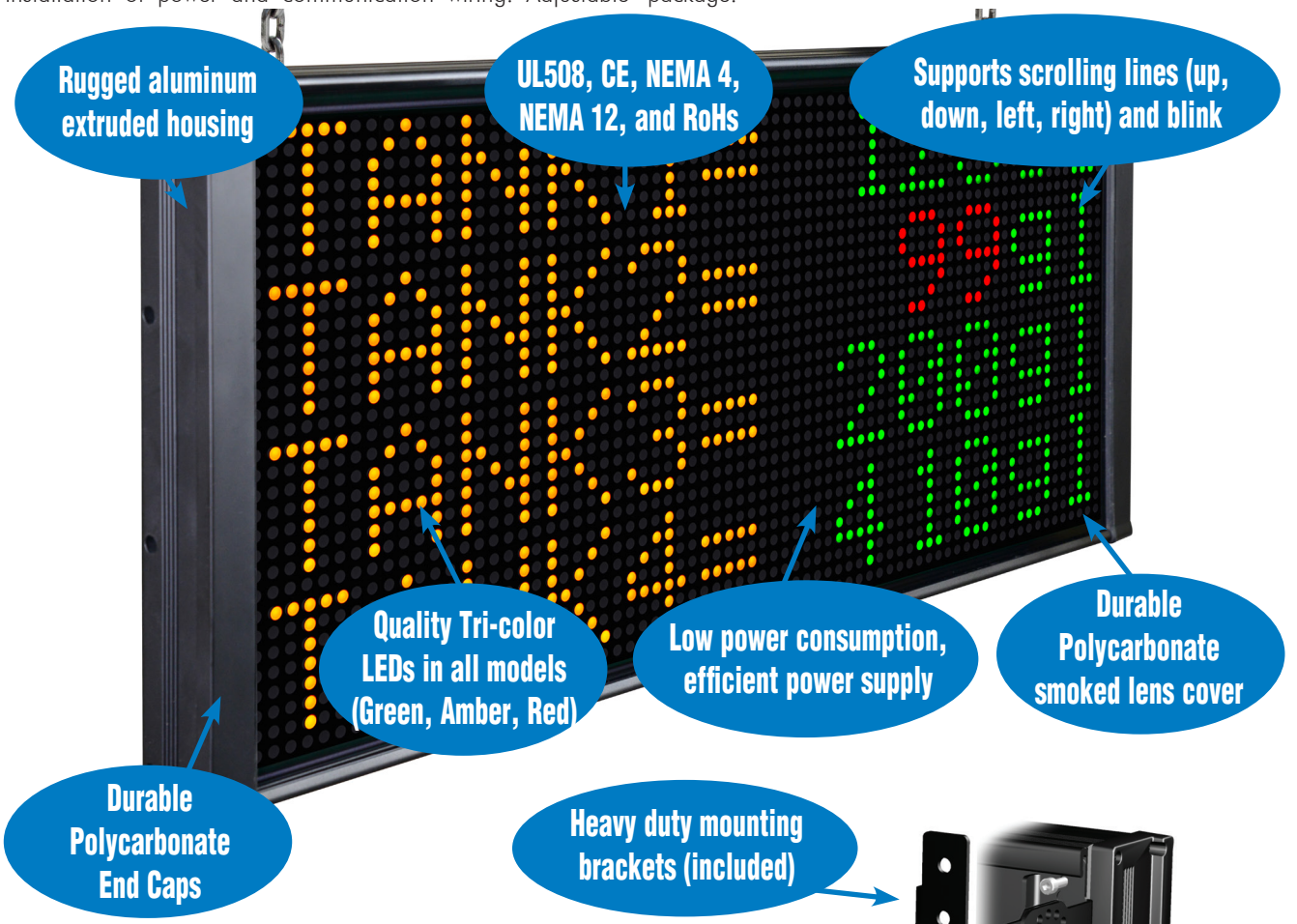
- Create message lists that can be downloaded to the LED Display and triggered by a PLC or by discrete inputs.

Requires Windows XP (Service Pack 3), Vista,Windows 7 (32 and 64-bit) or Windows 8 and a serial or Ethernet connection to the ViewMarq Display. Purchase cables separately. (An Ethernet cable comes packaged with each ViewMarq LED message display.)

Rugged and Reliable

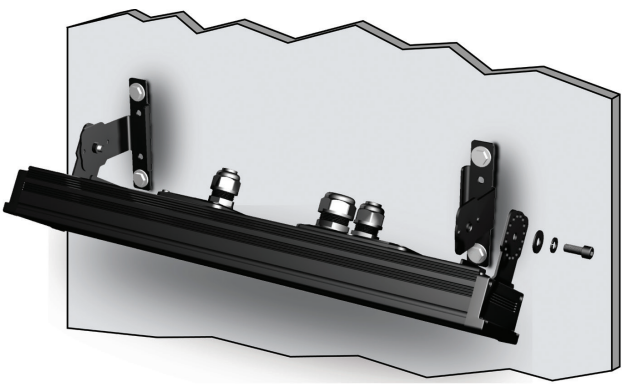
Rugged Industrial Design

The heavy duty extruded aluminum housing offers a dependable yet attractive display in even the most demanding industrial environments. ViewMarq is one of the few message displays on the market that is NEMA 4 and NEMA 12 rated (indoor only). Access covers with seal-tight cable glands offer reliable, easy installation of power and communication wiring. Adjustable heavy-duty mounting brackets offer secure mounting at various angles or when hung from chains. The unit ships with wall-mount and chain-mount brackets as well an Ethernet cable to help you get started. The NEMA 4 and NEMA 12 cable gland fittings for communications and power wiring are also included in the package.

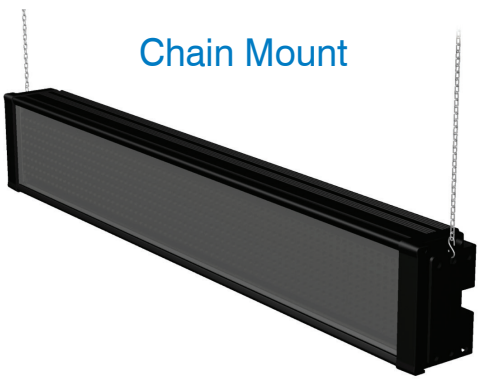


Heavy duty mounting brackets (included)

Wall or Ceiling Mount



Chain Mount



Choosing the Right Model

One-Line Displays

- 1-1/4", 2" characters
- Models with 12 or 24 characters per line
- Approximate viewing distance up to 100 ft

MD4-0112T **$435.00**

MD4-0124T **$599.00**

Two-Line Displays

- 1-1/4", 2", 4" characters
- Models with 12 or 24 characters per line
- Approximate viewing distance up to 200 ft

MD4-0212T **$613.00**

MD4-0224T **$929.00**

Four-Line Displays

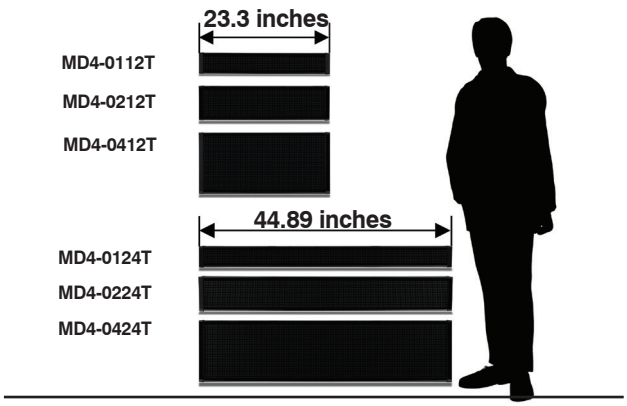
- 1-1/4", 2", 4", 6", 8" characters
- Models with 12 or 24 characters per line
- Approximate viewing distance up to 400 ft

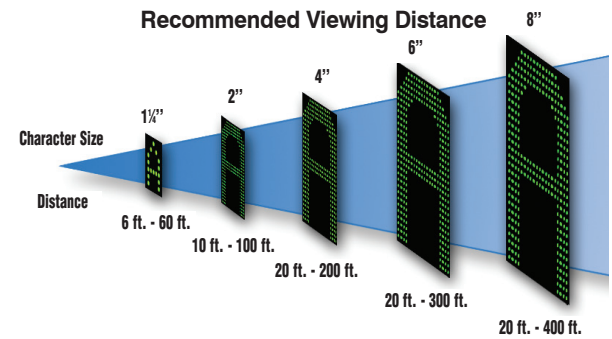
MD4-0412T **$916.00**

MD4-0424T **$1,551.00**

Here are the recommended viewing distances based on the character size that can be used:

Character Size	Minimum Recommended Viewing Distance	Maximum Recommended Viewing Distance	Displays with these character sizes (Part Numbers)
1.25 in	6 ft	60 ft	**MD4-0112T MD4-0124T MD4-0212T MD4-0224T MD4-0412T MD4-0424T**
2 in	10 ft	100 ft	**MD4-0112T MD4-0124T MD4-0212T MD4-0224T MD4-0412T MD4-0424T**
4 in	20 ft	200 ft	**MD4-0212T MD4-0224T MD4-0412T MD4-0424T**
6 in	20 ft	300 ft	**MD4-0412T MD4-0424T**
8 in	20 ft	400 ft	**MD4-0412T MD4-0424T**

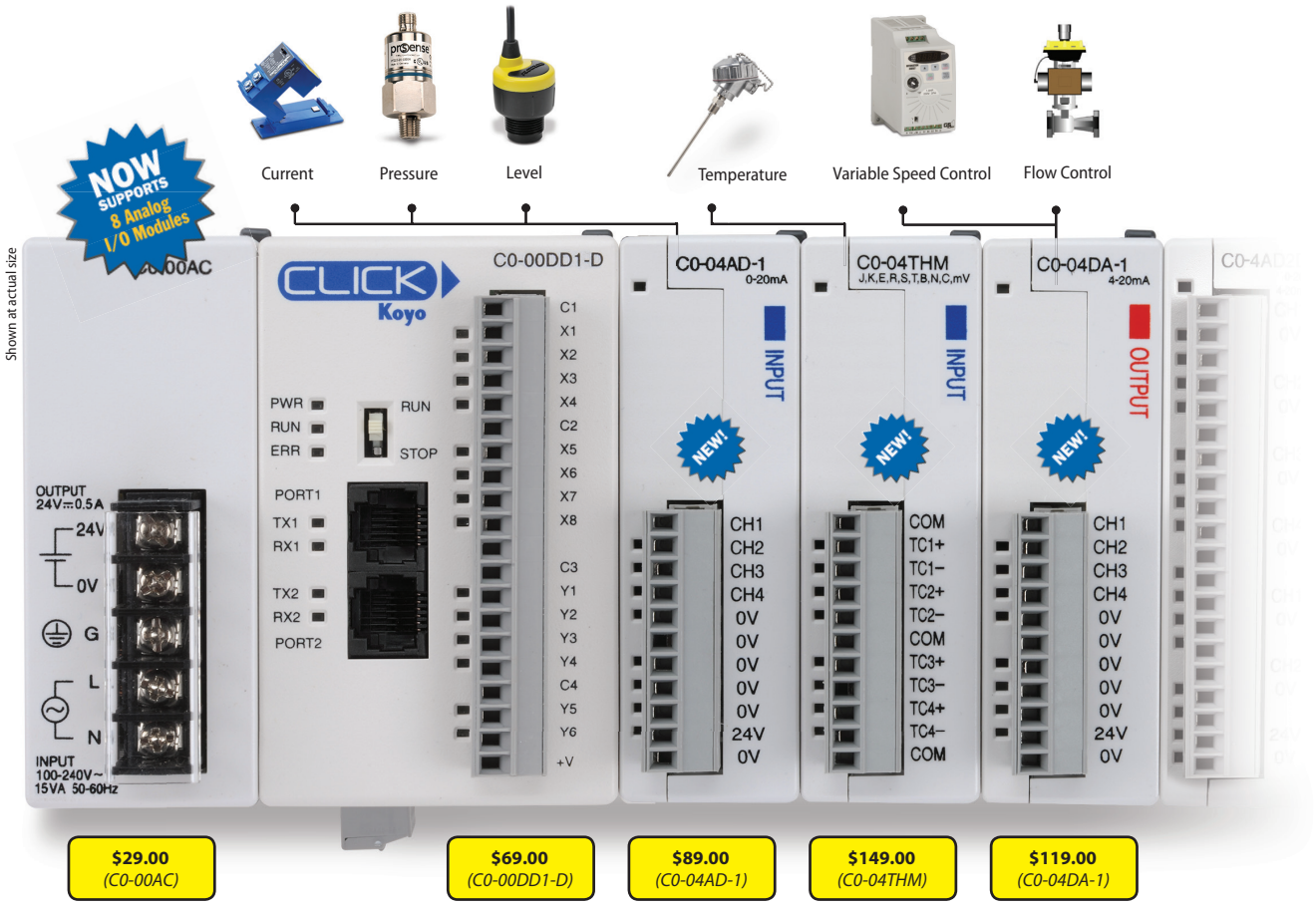




Other products you might want to consider

Now simply CLICK for analog

The best little PLC keeps getting better



$29.00 (C0-00AC)	$69.00 (C0-00DD1-D)	$89.00 (C0-04AD-1)	$149.00 (C0-04THM)	$119.00 (C0-04DA-1)

Connect to lots of process devices with analog I/O modules for the CLICK PLC

The CLICK PLC now has more ways to help you with simple control applications. Monitor pressure, level, current, even thermocouples and RTDs directly. Perform simple variable control* with analog outputs connected to devices such as drives. These high-resolution modules offer fast setup (no DIP switches) with software scaling to make your life (and program) easier. Choose from:

- **4-channel, current or voltage in (13-bit) $89 each**
- **4-channel, thermocouple or RTD in (16-bit) $149 each**
- **4-channel, current or voltage out (12-bit) $119 each**
- **Combo 4-channel in / 2-channel out, current or voltage $149 each**

** no PID*

Mighty as a stand-alone unit, or expand to 142 total I/O

With CLICK PLCs, you get a lot of application control in a small package. You can replace even just a few relays cost-effectively, but do a whole lot more with the easy-to-understand instruction set.

An 8-input / 6-output base unit with built-in serial ports can stand alone (starting at just $69), or add any combination of up to 8 discrete and analog I/O modules. Simple!

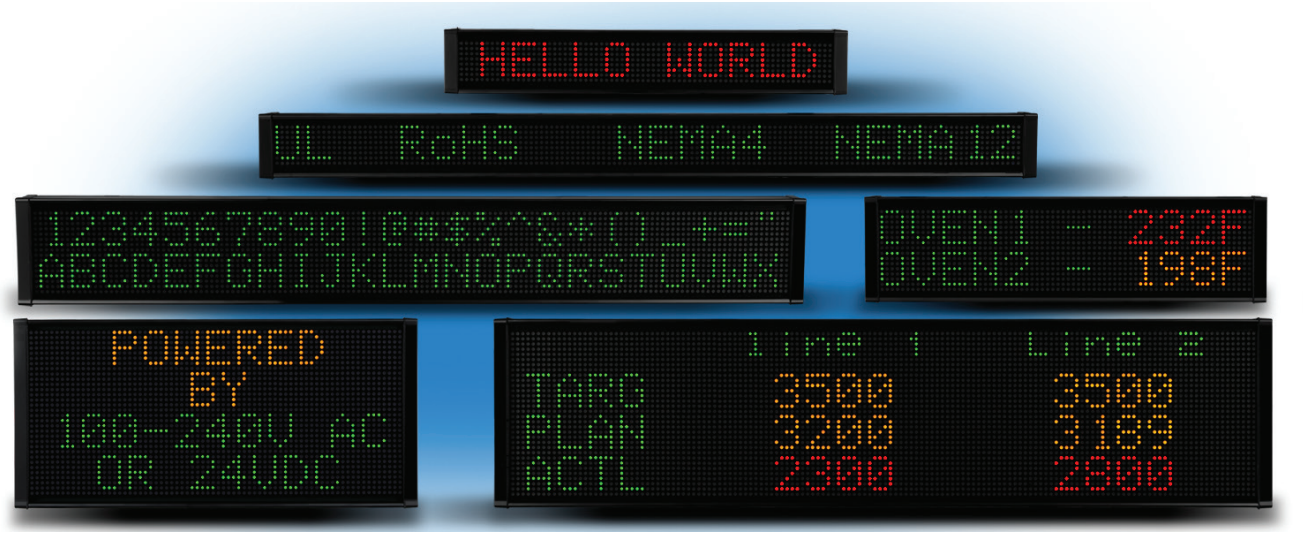
And with FREE programming software, we've made it even easier to give CLICK a try.

Download the free software so you can see just how simple control can be.

Configure, price, and buy at:
www.automationdirect.com/click-plc

AUTOMATIONDIRECT.com

ViewMarq Message Displays



Overview

ViewMarq is an LED Message Display utilizing the latest LED and communications technologies for industry. It utilizes both serial and Ethernet communications. The display can be connected to a PLC or any device capable of sending serial ASCII, Modbus RTU, or Modbus TCP communications. It can accept commands over Modbus and Modbus TCP, or serial ASCII.

Applications

The ViewMarq is used to display real time factory floor data or to display PLC triggered messages. The message display is controlled by any of the following:

- ASCII input strings through the RS-232 or RS-485 port
- Modbus RTU messages through the RS-232 or RS-485 port
- Modbus TCP messages through the Ethernet port

Features

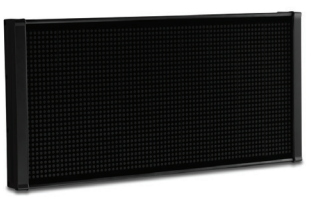
- Low power consumption, high-efficiency switch mode power supply
- Wall mount / cabinet top mount and chain mount - brackets included
- Free, easy-to-use configuration software package
- The display is fully configurable through the ViewMarq software for ease of use.
- Messages can be sent by an ASCII serial string or through Modbus RTU or Modbus TCP
- Store and trigger up to 200 messages

Compliances

- UL508, file number E157382
- CE
- NEMA 12 - Indoor use
- NEMA 4 - Indoor use
- RoHS

Company Information
Control Systems Overview
CLICK PLC
Do-More PLCs Overview
Do-More H2 PLC
Do-More T1H PLC
DirectLOGIC PLCs Overview
DirectLOGIC DL05/06
DirectLOGIC DL105
DirectLOGIC DL205
DirectLOGIC DL305
DirectLOGIC DL405
Productivity Controller Overview
Productivity 2000
Productivity 3000
Universal Field I/O
Software
C-More HMI
C-More Micro HMI
ViewMarq Industrial Marquees
Other HMI
Communications
Appendix Book 1
Terms and Conditions

ViewMarq Message Displays Selection Guide

ViewMarq Message Displays			
Part Number		**Description**	**Price**
MD4-0112T		ViewMarq industrial LED message display, 1 line by 12 characters, tri-color, 2 inch maximum character size. Supports red, amber and green characters, embedded string and numeric variables, scrolling (right, left, up and down). (1) RS-232 port, (1) RS-485 port and (1) 10/100 BaseT Ethernet port for configuration and external message control; supports serial ASCII, Modbus RTU, and Modbus TCP protocols. NEMA 4 / NEMA 12 (Indoor only) extruded aluminum housing. UL 508 listed, CE marked. Includes wall mount and chain mount bracket assemblies, 1/2 and 3/4 inch cable glands for input wiring and one seven foot Ethernet patch cable. Requires configuration software (MD-PGMSW) which can be purchased on CD or downloaded for free.	$435.00
MD4-0124T		ViewMarq industrial LED message display, 1 line by 24 characters, tri-color, 2 inch maximum character size. Supports red, amber and green characters, embedded string and numeric variables, scrolling (right, left, up and down). (1) RS-232 port, (1) RS-485 port and (1) 10/100 BaseT Ethernet port for configuration and external message control; supports serial ASCII, Modbus RTU, and Modbus TCP protocols. NEMA 4 / NEMA 12 (Indoor only) extruded aluminum housing. UL 508 listed, CE marked. Includes wall mount and chain mount bracket assemblies, 1/2 and 3/4 inch cable glands for input wiring and one seven foot Ethernet patch cable. Requires configuration software (MD-PGMSW) which can be purchased on CD or downloaded for free.	$599.00
MD4-0212T		ViewMarq industrial LED message display, 2 line by 12 characters, tri-color, 4.75 inch maximum character size. Supports red, amber and green characters, embedded string and numeric variables, scrolling (right, left, up and down). (1) RS-232 port, (1) RS-485 port and (1) 10/100 BaseT Ethernet port for configuration and external message control; supports serial ASCII, Modbus RTU, and Modbus TCP protocols. NEMA 4 / NEMA 12 (Indoor only) extruded aluminum housing. UL 508 listed, CE marked. Includes wall mount and chain mount bracket assemblies, 1/2 and 3/4 inch cable glands for input wiring and one seven foot Ethernet patch cable. Requires configuration software (MD-PGMSW) which can be purchased on CD or downloaded for free.	$613.00
MD4-0224T		ViewMarq industrial LED message display, 2 line by 24 characters, tri-color, 4.75 inch maximum character size. Supports red, amber and green characters, embedded string and numeric variables, scrolling (right, left, up and down). (1) RS-232 port, (1) RS-485 port and (1) 10/100 BaseT Ethernet port for configuration and external message control; supports serial ASCII, Modbus RTU, and Modbus TCP protocols. NEMA 4 / NEMA 12 (Indoor only) extruded aluminum housing. UL 508 listed, CE marked. Includes wall mount and chain mount bracket assemblies, 1/2 and 3/4 inch cable glands for input wiring and one seven foot Ethernet patch cable. Requires configuration software (MD-PGMSW) which can be purchased on CD or downloaded for free.	$929.00
MD4-0412T		ViewMarq industrial LED message display, 4 line by 12 characters, tri-color, 9.5 inch maximum character size. Supports red, amber and green characters, embedded string and numeric variables, scrolling (right, left, up and down). (1) RS-232 port, (1) RS-485 port and (1) 10/100 BaseT Ethernet port for configuration and external message control; supports serial ASCII, Modbus RTU, and Modbus TCP protocols. NEMA 4 / NEMA 12 (Indoor only) extruded aluminum housing. UL 508 listed, CE marked. Includes wall mount and chain mount bracket assemblies, 1/2 and 3/4 inch cable glands for input wiring and one seven foot Ethernet patch cable. Requires configuration software (MD-PGMSW) which can be purchased on CD or downloaded for free.	$916.00
MD4-0424T		ViewMarq industrial LED message display, 4 line by 24 characters, tri-color, 9.5 inch maximum character size. Supports red, amber and green characters, embedded string and numeric variables, scrolling (right, left, up and down). (1) RS-232 port, (1) RS-485 port and (1) 10/100 BaseT Ethernet port for configuration and external message control; supports serial ASCII, Modbus RTU, and Modbus TCP protocols. NEMA 4 / NEMA 12 (Indoor only) extruded aluminum housing. UL 508 listed, CE marked. Includes wall mount and chain mount bracket assemblies, 1/2 and 3/4 inch cable glands for input wiring and one seven foot Ethernet patch cable. Requires configuration software (MD-PGMSW) which can be purchased on CD or downloaded for free.	$1,551.00

ViewMarq 1-Line Message Displays

Description

ViewMarq models MD4-0112T and MD4-0124T are 1-line, tri-color, 2-inch maximum character size LED message displays. Model MD4-0112T is a 1-line x 12 character display. Model MD4-0124T is a 1-line x 24 character display. Each supports red, amber and green characters, embedded string and numeric variables and scrolling (right, left, up and down). There are (1) RS-232 port, (1) RS-485 port and (1) 10/100 BaseT Ethernet port for configuration and external message control. They support serial ASCII, Modbus RTU, and Modbus TCP protocols. The extruded aluminum housing is NEMA 4 / NEMA 12 (Indoor only) rated. They are UL 508 listed and CE marked. Included are wall mount and chain mount bracket assemblies, 1/2 and 3/4 inch cable glands for input wiring and one seven foot Ethernet patch cable. The required configuration software (MD-PGMSW) can be downloaded for free or purchased on CD.

MD4-0112T

$435.00

MD4-0124T

$599.00

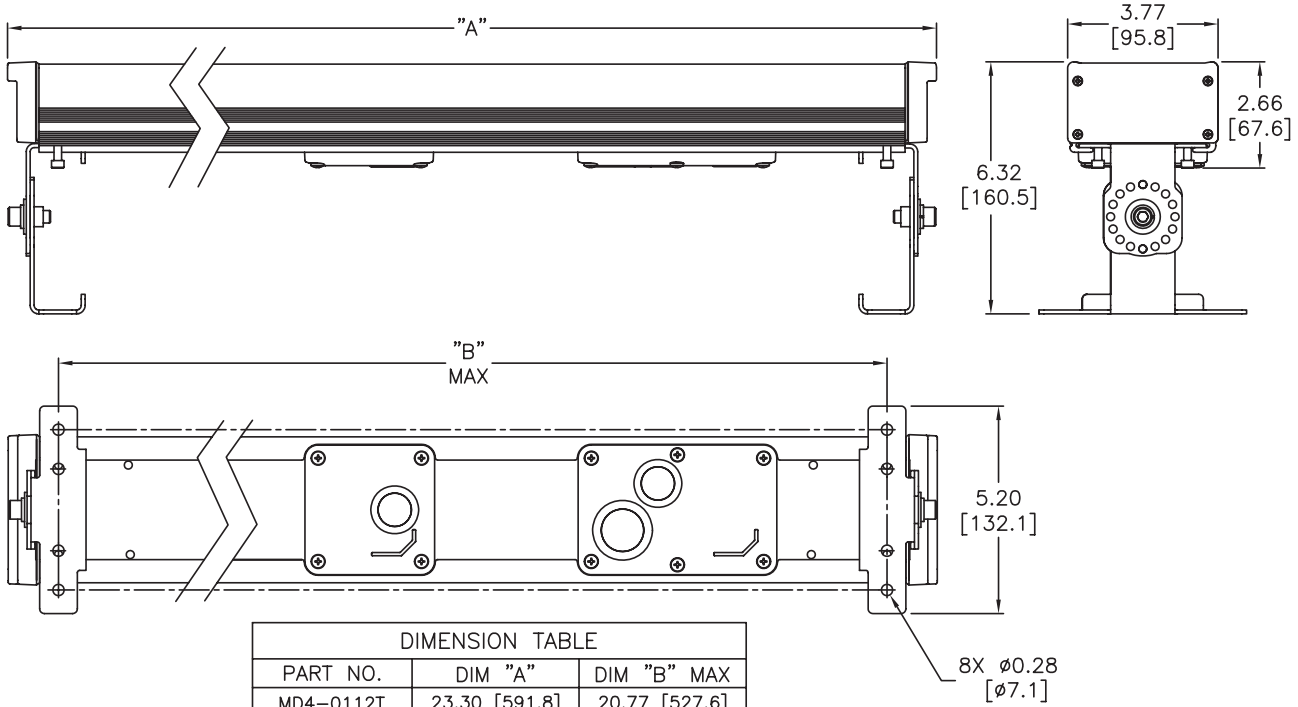
RoHS 2002/95/EC CE cULus *file E157382*

Features

- Low power consumption, high-efficiency switch mode power supply
- Wall mount / cabinet top mount and chain mount - brackets included.
- Free, easy-to-use configuration software package
- The display is fully configurable through the ViewMarq software for ease of use.
- Messages can be sent by an ASCII serial string or through Modbus RTU or Modbus TCP.
- Serial RS-232/485 and Ethernet Modbus TCP communications can be used at the same time.
- Store and trigger up to 200 messages

Dimensions

Units: inches [mm]



DIMENSION TABLE		
PART NO.	DIM "A"	DIM "B" MAX
MD4-0112T	23.30 [591.8]	20.77 [527.6]
MD4-0124T	44.89 [1140.2]	42.38 [1076.5]

ViewMarq Message Displays Specifications

ViewMarq 1-Line Message Displays Specifications		
Part Number	**MD4-0112T**	**MD4-0124T**
Description	1 Line X 12 Characters	1 Line X 24 Characters
Display		
• Type	LED matrix: Tri-color (Green, Red, Amber)	
• LED Life	100,000 hours	
• LED Pitch	0.19 in [5 mm]	
• Center to Center Spacing of each LED	0.27 in [7 mm]	
• Number of Lines	1 (Based on 5 x 7 pixel sized characters)	
• Text Height	1.25 in, 2 in (Depends on character set selected)	
• Character Set	Printable ASCII	
• Approximate Viewing Distance	100 ft	
AC Electrical		
• Input Voltage	100-240 VAC (+10% / -15%), 50 / 60 Hz	
• Maximum Current	0.5A	0.8A
• Power Consumption (MAX)	22W	38W
• Maximum Inrush Current (Cold and Hot)	25A	26A
• Input Fuse Protection (Internal)	Yes (not user replaceable)	
• Output Protection for Overcurrent, Over Voltage and Over Temperature	Yes – Self Resetting	
• Insulation Resistance	> 10 MOhms @ 500 VAC	
DC Electrical		
• Input Voltage	24 VDC (+10% / -15%)	
• Maximum Current	1A	1.5A
• Maximum Inrush Current (Cold and Hot)	3A	4.5A
• Input Fuse Protection (Internal)	Yes (not user replaceable)	
• Reverse Polarity Protection	Yes	
Communication		
• Serial Communications	Serial RS-232, RS-485 both ASCII and Modbus, 2400 – 38.4KB	
• Ethernet Communications	Modbus TCP, 10/100BaseT	
Dimensions / Weight		
• Enclosure Approximate Weight	4.9 lbs [2.2 kg]	9.0 lbs [4.1 kg]
Environmental		
• Storage Temperature	–30 to +85 °C (–22 to +185 °F)	
• Operating Temperature	0 to 60 °C (32 to +140 °F)	
• Humidity	5 – 95% non-condensing	
• Enclosure Ratings	NEMA 12 indoor use only, NEMA 4 indoor use only	
• Vibration	IEC 60068-2-6 (Test Fc)	
• Shock	IEC 60068-2-27 (Test Ea)	
• Noise Immunity	EN61131-2:2007	
• Agency Approvals	UL508 (E157382), NEMA 4, NEMA 12, RoHS, REACH CE (EN61131-2:2007) - Pollution Degree 2, Overvoltage Category II	

ViewMarq 2-Line Message Displays

Description

ViewMarq models MD4-0212T and MD4-0224T are 2-line, tri-color, 4.75-inch maximum character size LED message displays. Model MD4-0212T is a 2-line x 12 character display. Model MD4-0224T is a 2-line x 24 character display. Each supports red, amber and green characters, embedded string and numeric variables and scrolling (right, left, up and down). There are (1) RS-232 port, (1) RS-485 port and (1) 10/100 BaseT Ethernet port for configuration and external message control. They support serial ASCII, Modbus RTU, and Modbus TCP protocols. The extruded aluminum housing is NEMA 4 / NEMA 12 (Indoor only) rated. They are UL508 listed and CE marked. Included are wall mount and chain mount bracket assemblies, 1/2 and 3/4 inch cable glands for input wiring and one seven foot Ethernet patch cable. The required configuration software (MD-PGMSW) can be downloaded for free or purchased on CD.

MD4-0212T

$613.00

MD4-0224T

$929.00

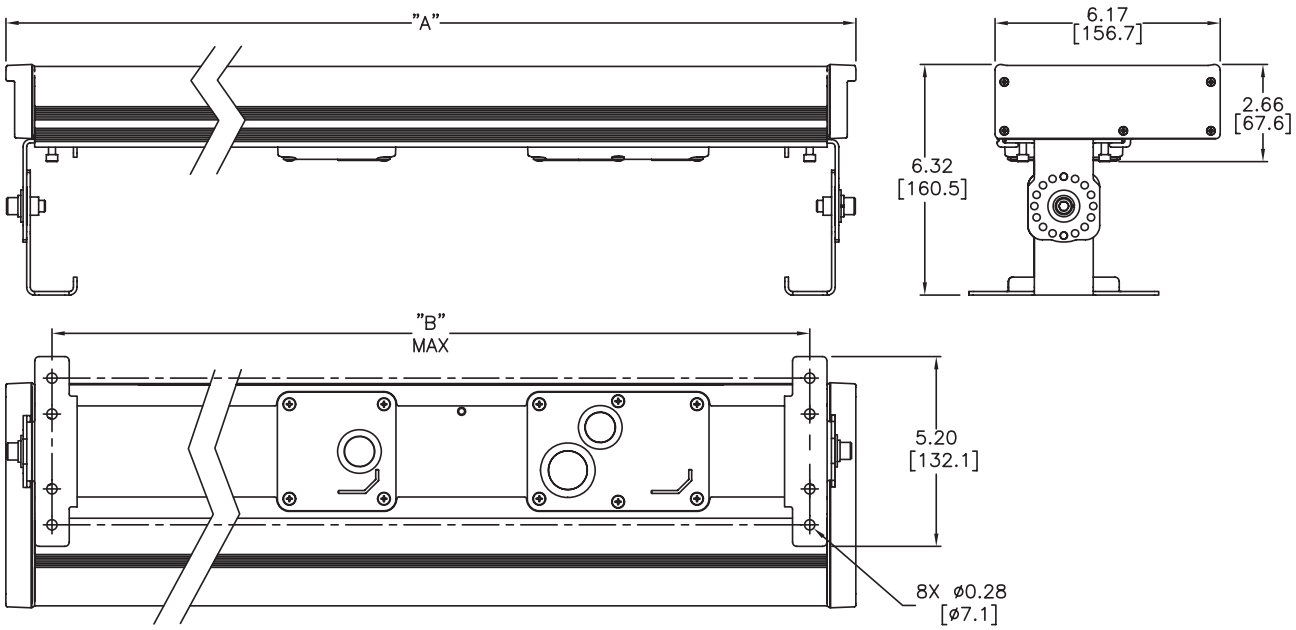
RoHS 2002/95/EC CE c UL us *file E157382*

Features

- Low power consumption, high-efficiency switch mode power supply
- Wall mount / cabinet top mount and chain mount - brackets included.
- Free, easy-to-use configuration software package
- The display is fully configurable through the ViewMarq software for ease of use.
- Messages can be sent by an ASCII serial string or through Modbus RTU or Modbus TCP.
- Serial RS-232/485 and Ethernet Modbus TCP communications can be used at the same time.
- Store and trigger up to 200 messages

Dimensions

Units: inches [mm]



DIMENSION TABLE		
PART NO.	DIM "A"	DIM "B" MAX
MD4-0212T	23.30 [591.8]	20.77 [527.6]
MD4-0224T	44.89 [1140.2]	42.38 [1076.5]

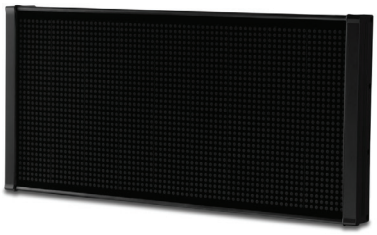
ViewMarq Message Displays Specifications

ViewMarq 2-Line Message Displays Specifications		
Part Number	**MD4-0212T**	**MD4-0224T**
Description	2 Line X 12 Characters	2 Line X 24 Characters
Display		
• Type	LED matrix: Tri-color (Green, Red, Amber)	
• LED Life	100,000 hours	
• LED Pitch	0.19 in [5 mm]	
• Center to Center Spacing of each LED	0.27 in [7 mm]	
• Number of Lines	2 (Based on 5 x 7 pixel sized characters)	
• Text Height	1.25 in, 2 in, 4 in (Depends on character set selected)	
• Character Set	Printable ASCII	
• Approximate Viewing Distance	200 ft	
AC Electrical		
• Input Voltage	100-240 VAC (+10% / -15%), 50 / 60 Hz	
• Maximum Current	1A	2A
• Power Consumption (MAX)	38W	74W
• Maximum Inrush Current (Cold and Hot)	26A	24A
• Input Fuse Protection (Internal)	Yes (not user replaceable)	
• Output Protection for Overcurrent, Over Voltage and Over Temperature	Yes – Self Resetting	
• Insulation Resistance	> 10 MOhms @ 500 VAC	
DC Electrical		
• Input Voltage	24 VDC (+10% / -15%)	
• Maximum Current	2A	3.5A
• Maximum Inrush Current (Cold and Hot)	10.5A	
• Input Fuse Protection (Internal)	Yes (not user replaceable)	
• Reverse Polarity Protection	Yes	
Communication		
• Serial Communications	Serial RS-232, RS-485 both ASCII and Modbus, 2400 – 38.4KB	
• Ethernet Communications	Modbus TCP, 10/100BaseT	
Dimensions / Weight		
• Enclosure Approximate Weight	7.3 lbs [3.3 kg]	13.1 lbs [6.0 kg]
Environmental		
• Storage Temperature	–30 to +85 °C (–22 to +185 °F)	
• Operating Temperature	0 to 60 °C (32 to +140 °F)	
• Humidity	5 – 95% non-condensing	
• Enclosure Ratings	NEMA 12 indoor only, NEMA 4 indoor only	
• Vibration	IEC 60068-2-6 (Test Fc)	
• Shock	IEC 60068-2-27 (Test Ea)	
• Noise Immunity	EN61131-2:2007	
• Agency Approvals	UL508 (E157382), NEMA 4, NEMA 12, RoHS, REACH CE (EN61131-2:2007) - Pollution Degree 2, Overvoltage Category II	

ViewMarq 4-Line Message Displays

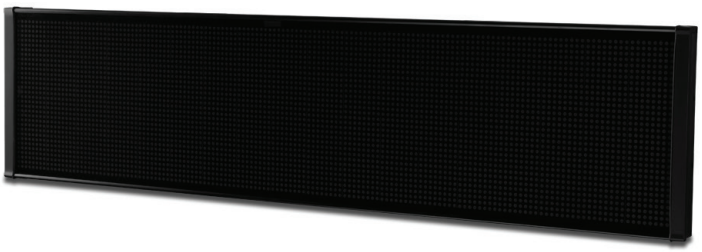
Description

ViewMarq models MD4-0412T and MD4-0424T are 4-line, tri-color, 9.5-inch maximum character size LED message displays. Model MD4-0412T is a 4-line x 12 character display. Model MD4-0424T is a 4-line x 24 character display. Each supports red, amber and green characters, embedded string and numeric variables and scrolling (right, left, up and down). There are (1) RS-232 port, (1) RS-485 port and (1) 10/100 BaseT Ethernet port for configuration and external message control. They support serial ASCII, Modbus RTU, and Modbus TCP protocols. The extruded aluminum housing is NEMA 4 / NEMA 12 (Indoor only) rated. They are UL 508 listed and CE marked. Included are wall mount and chain mount bracket assemblies, 1/2 and 3/4 inch cable glands for input wiring and one seven foot Ethernet patch cable. The required configuration software (MD-PGMSW) can be downloaded for free or purchased on CD.



MD4-0412T

$916.00



MD4-0424T

$1,551.00

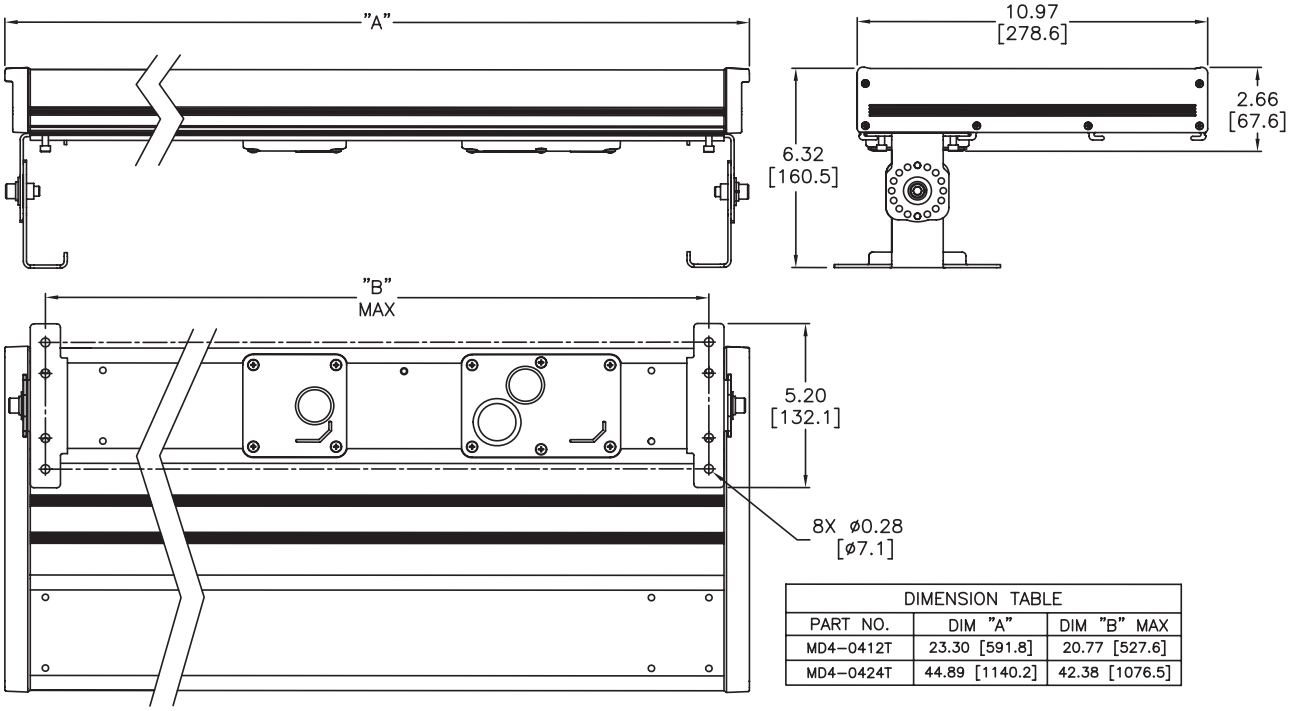
RoHS 2002/95/EC CE c UL us *file E157382*

Features

- Low power consumption, high-efficiency switch mode power supply
- Wall mount / cabinet top mount and chain mount - brackets included.
- Free, easy-to-use configuration software package
- The display is fully configurable through the ViewMarq software for ease of use.
- Messages can be sent by an ASCII serial string or through Modbus RTU or Modbus TCP.
- Serial RS-232/485 and Ethernet Modbus TCP communications can be used at the same time.
- Store and trigger up to 200 messages

Dimensions

Units: inches [mm]



DIMENSION TABLE		
PART NO.	DIM "A"	DIM "B" MAX
MD4-0412T	23.30 [591.8]	20.77 [527.6]
MD4-0424T	44.89 [1140.2]	42.38 [1076.5]

ViewMarq Message Displays Specifications

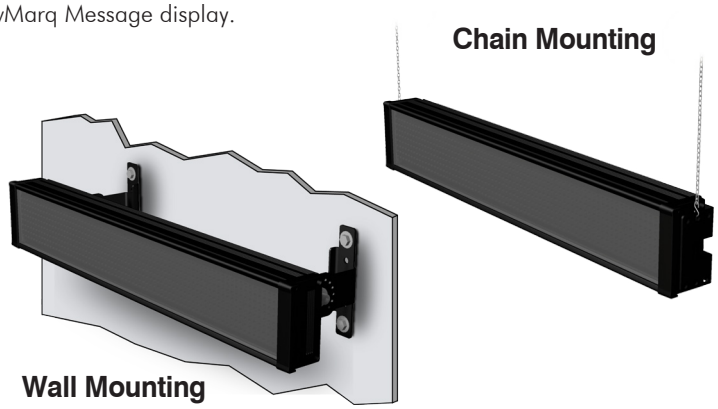
ViewMarq 4-Line Message Displays Specifications		
Part Number	**MD4-0412T**	**MD4-0424T**
Description	4 Line X 12 Characters	4 Line X 24 Characters
Display		
• Type	LED matrix: Tri-color (Green, Red, Amber)	
• LED Life	100,000 hours	
• LED Pitch	0.19 in [5 mm]	
• Center to Center Spacing of each LED	0.27 in [7 mm]	
• Number of Lines	4 (Based on 5 x 7 pixel sized characters)	
• Text Height	1.25 in, 2 in, 4 in, 6 in, 8 in (Depends on character set selected)	
• Character Set	Printable ASCII	
• Approximate Viewing Distance	400 ft	
AC Electrical		
• Input Voltage	100-240 VAC (+10% / -15%), 50 / 60 Hz	
• Maximum Current	2A	2A
• Power Consumption (MAX)	74W	123W
• Maximum Inrush Current (Cold and Hot)	24A	9.5A
• Input Fuse Protection (Internal)	Yes (not user replaceable)	
• Output Protection for Overcurrent, Over Voltage and Over Temperature	Yes – Self Resetting	
• Insulation Resistance	> 10 MOhms @ 500 VAC	
DC Electrical		
• Input Voltage	24 VDC (+10% / -15%)	
• Maximum Current	3.5A	4A
• Maximum Inrush Current (Cold and Hot)	10.5A	12A
• Input Fuse Protection (Internal)	Yes (not user replaceable)	
• Reverse Polarity Protection	Yes	
Communication		
• Serial Communications	Serial RS-232, RS-485 both ASCII and Modbus, 2400 – 38.4KB	
• Ethernet Communications	Modbus TCP, 10/100BaseT	
Dimensions / Weight		
• Enclosure Approximate Weight	12.1 lbs [5.5 kg]	22.5 lbs [10.2 kg]
Environmental		
• Storage Temperature	–30 to +85 °C (–22 to +185 °F)	
• Operating Temperature	0 to 60 °C (32 to +140 °F)	
• Humidity	5 – 95% non-condensing	
• Enclosure Ratings	NEMA 12 indoor only, NEMA 4 indoor only	
• Vibration	IEC 60068-2-6 (Test Fc)	
• Shock	IEC 60068-2-27 (Test Ea)	
• Noise Immunity	EN61131-2:2007	
• Agency Approvals	UL508 (E157382), NEMA 4, NEMA 12, RoHS, REACH CE (EN61131-2:2007) - Pollution Degree 2, Overvoltage Category II	

ViewMarq Message Display Mounting Options

Mounting Options

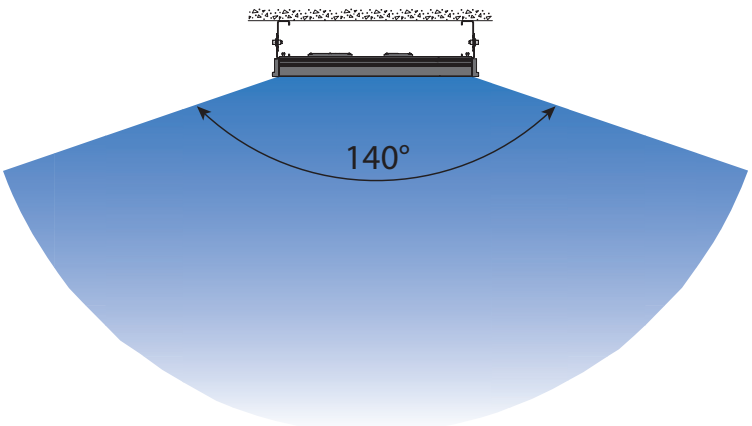
Two sets of mounting brackets are included with each ViewMarq Message display.

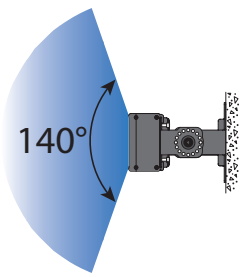
ViewMarq LED Display Mounting Specifications			
Part Numbers	*Weight*	*Weight with Wall Mount Brackets*	*Weight with Chain Mount Brackets*
MD4-0112T	4.9 lbs (2.2 kg)	6.1 lbs (2.8 kg)	5.4 lbs (2.5 kg)
MD4-0124T	9.0 lbs (4.1 kg)	10.2 lbs (4.6 kg)	9.6 lbs (4.4 kg)
MD4-0212T	7.3 lbs (3.3 kg)	8.5 lbs (3.9 kg)	7.8 lbs (3.5 kg)
MD4-0224T	13.1 lbs (6.0 kg)	14.3 lbs (6.5 kg)	13.6 lbs (6.2 kg)
MD4-0412T	12.1 lbs (5.5 kg)	13.3 lbs (6.0 kg)	12.6 lbs (5.7 kg)
MD4-0424T	22.5 lbs (10.2 kg)	23.7 lbs (10.8 kg)	23.0 lbs (10.5 kg)



Viewing Angle

The ViewMarq display should be mounted for the optimum viewing angle.





Viewing Distances

ViewMarq Message Displays Viewing Distances			
Part Numbers	*Font Size*	*Minimum Recommended Viewing Distance*	*Maximum Recommended Viewing Distance*
MD4-0112T MD4-0124T MD4-0212T MD4-0224T MD4-0412T MD4-0424T	1-1/4 in	6 ft (1.8m)	60 ft (18m)
MD4-0112T MD4-0124T MD4-0212T MD4-0224T MD4-0412T MD4-0424T	2 in	10 ft (3.0m)	100 ft (31m)
MD4-0212T MD4-0224T MD4-0412T MD4-0424T	4 in	20 ft (6.1m)	200 ft (61m)
MD4-0412T MD4-0424T	6 in	20 ft (6.1m)	300 ft (91m)
MD4-0412T MD4-0424T	8 in	20 ft (6.1m)	400 ft (122m)
MD4-0412T MD4-0424T	10 in	20 ft (6.1m)	500 ft (152m)

ViewMarq Message Display Replacement Parts

The optional replacement parts can be used to replace damaged, worn or lost ViewMarq message display components.

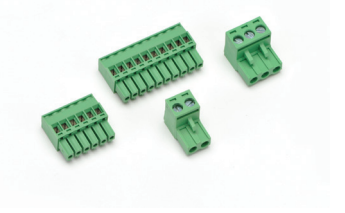
Replacement parts at a glance:

ViewMarq Message Display Replacement Parts		
Part Number	***Description***	***Price***
MD-BRK-1	Replacement wall mounting bracket assemblies for ViewMarq message display units, 2 per pack	$36.00
MD-BRK-2	Replacement chain mount brackets for ViewMarq message display units, 2 per pack	$18.00
MD-TERM-SET	Replacement terminal block set for ViewMarq message display units. Includes (1) 2-terminal DC power connector, (1) 3-terminal AC power connector, (1) 10-terminal connector (future), and (1) 6-terminal serial communications connector.	$16.00
MD-PWR-COV	Replacement power connection cover for ViewMarq message display units. Includes (1) cover and (1) 1/2 inch NPT cable gland.	$38.00
MD-COM-COV	Replacement communications cover for ViewMarq message display units. Includes (1) cover and (3) 1/2 inch NPT cable glands and (1) 3/4 inch NPT cable gland and 6mm and 10mm hole plugs.	$16.00

Wall Mount Bracket
Part No. MD-BRK-1

Chain Mount Brackets
Part No. MD-BRK-2

Terminal Block Set
Part No. MD-TERM-SET



Power Back Cover w/ Cable Gland
Part No. MD-PWR-COV

Communication Back Cover w/ Cable Glands
Part No. MD-COM-COV

ViewMarq Message Display Configuration Software

Free Software!

Part Number: MD-PGMSW

ViewMarq LED message display Windows-based configuration software. Requires Windows XP (Service Pack 3), Vista, Windows 7 (32 and 64-bit) or Windows 8 (32 and 64-bit). Requires serial or Ethernet connection to the ViewMarq display. Available for purchase on CD or can be downloaded for free from AutomationDirect Web site. Ethernet cable ships with display.

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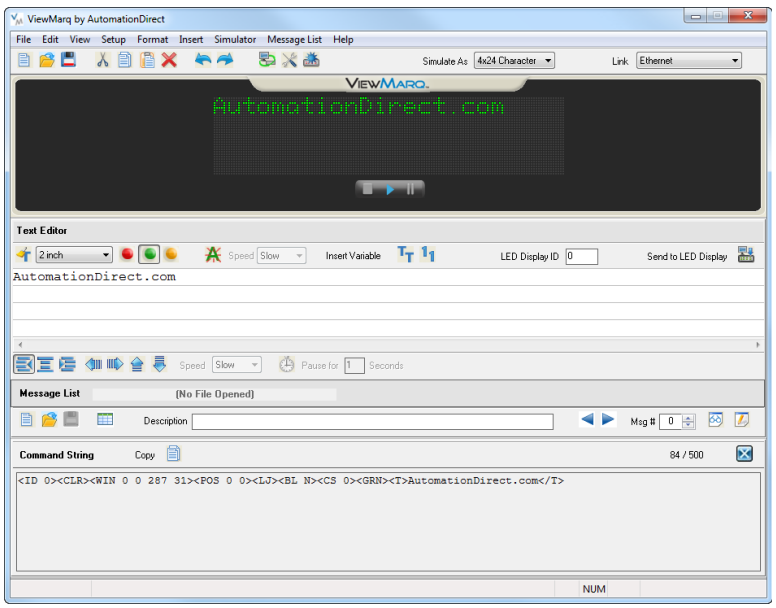
Built-in Message Simulator

- Runs the message on your PC as you type.
- Test all of your messages before downloading
- Time savings saves you money!



Simple Message Creation

- Message creation and editing is made simple and fast with inutitive software. Easy-to-find tools help change the character color, add blinking, and insert embedded variables.

Text Editor

- Simple and intuitive text message creation, editing and formatting.

Command String Viewer

- Allows you to copy and paste the command string needed for your PLC ladder code.

Message Lists

- Create message lists that can be downloaded to the LED Display and triggered by a PLC or by discrete inputs.

PC Requirements

- Personal Computer with a 333 MHz or higher processor (CPU) clock speed recommended; Intel® Pentium/Celeron family, or AMD® K6/Athlon/Duron family, or compatible processor recommended
- Keyboard and Mouse or compatible pointing device
- XVGA color video adapter and monitor with at least 1024 x 768 pixels required, 64K color minimum
- 50 MB free hard-disk space
- 512 MB free RAM
- CD-ROM or DVD drive if installing software from the CD
- Serial Port or Ethernet 10/100 Mbps port for configuring LED Display
- Operating System - Windows XP SP3, Windows Vista, Windows 7, Windows 8

Download the Software!

The Viewmarq Configuration Software can be downloaded at no charge from the AutomationDirect Web site, or a CD version may be purchased for $10 by ordering p/n MD-PGMSW. Help files are included in the software.

Company Information
Control Systems Overview
CLICK PLC
Do-More PLCs Overview
Do-More H2 PLC
Do-More T1H PLC
DirectLOGIC PLCs Overview
DirectLOGIC DL05/06
DirectLOGIC DL105
DirectLOGIC DL205
DirectLOGIC DL305
DirectLOGIC DL405
Productivity Controller Overview
Productivity 2000
Productivity 3000
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C-More HMI
C-More Micro HMI
ViewMarq Industrial Marquees
Other HMI
Communications
Appendix Book 1
Terms and Conditions

Other products you might want to consider

Build your control system for less!

with our everyday low prices on high-quality components

From cable to wire duct ...

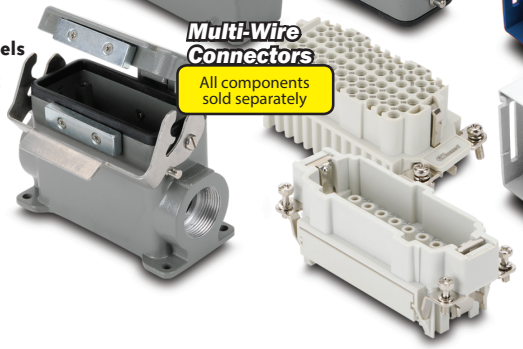
NEW! 300V UL Instrumentation Cable is dual listed as UL 2250 Type ITC (Instrumentation Tray Cables) and UL 13 Type PLTC (Power Limited Tray Cables).

NEW!

- **18 gauge**
- **1, 2, 4 or 8 twisted pairs**
- **Overall shielded or individually shielded with overall shield**
- **Available in 100, 250 or 1000 ft reels**

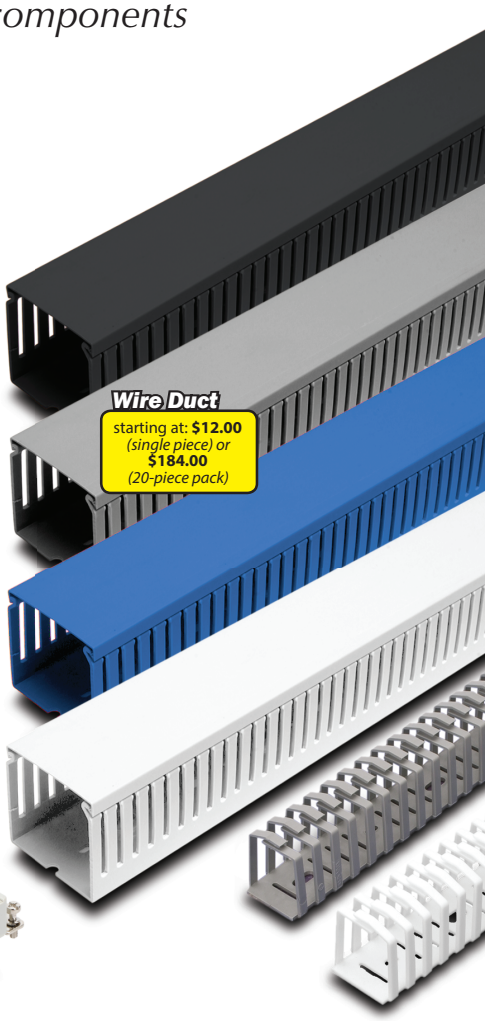
Flexible **multi-conductor control cable** is suitable for wet and dry locations, and is resistant to sunlight, oil and moisture penetration.

- **Conductor sizes from 18 to 10 gauge**
- **3 to 41 unshielded conductors**
- **Available in 100, 250, 500 or 1000 ft reels**
- **UL and CSA approved, RoHS compliant**



Heavy-duty **multi-wire connectors** quickly and reliably connect wiring in applications such as machinery, robots, and control and signal circuits.

- **Build custom connectors from components**
- **3 to 144-pole configurations**
- **3A to 32B sizes**
- **Bulkhead or surface mount housings with standard or automatic covers**



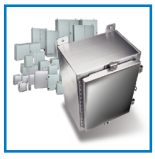
Keep your wiring in order with Iboco rigid or flexible **wire duct** in a choice of styles and colors.

- **Standard or thin finger slotted styles, and solid duct for special applications**
- **Standard duct in gray, blue and black**
- **Sold per 2-meter piece for convenience or in cost-saving multi-packs**

Research, price, buy at:
www.automationdirect.com/wiring-solutions

Also Available

Enclosures



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Terminal Blocks

Tools

Cat5e Cables

Field Wireable Connectors

Cable Ties & Accessories

AUTOMATIONDIRECT.com