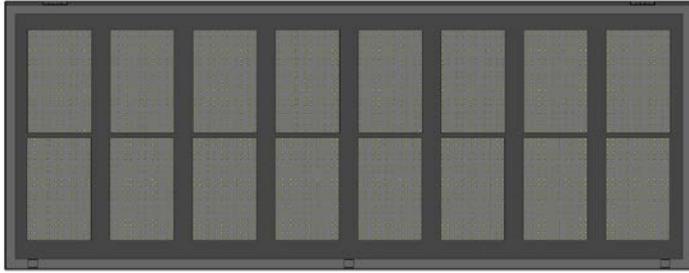


Model 1020A-4



Description	2-Line (10" Character) character matrix vehicle changeable message sign.
Function	Displays messages to inform and direct traffic through road work zones.
Benefit	Unlike light bars and arrow boards, a truck mounted changeable message sign can display specific messages to better inform and direct traffic through busy road work zones. When used, work zone operations report a significant increase in safety and a reduction in claims.
Application	Truck mounted changeable message signs are typically installed on, but not limited to, paint striping, road maintenance, and traffic incident management vehicles.
Standard	MUTCD Section 6F.60.15, Portable Changeable Message Sign
Weight	88lb (39.9kg)
Power Source	12VDC
Current Draw	Average: 5.0Ah Peak: 5.50Ah
RF Immunity	SAE J551-4, 150kHz – 1000MHz
Operating Temp	-40°F to 185°F (-40°C to 85°C)
Cables	Communication Cable: 30'-50' Power Cable: 30'-50'
Enclosure	
Description	The enclosure is comprised of the sign cabinet and lid assembly.
Function	Provides environmental protection & temperature control for sign components.
Benefit	Maximizes sign display visibility & legibility.
Enclosure Size	75" x 31" x 5" (190cm x 79cm x 13cm)
Cabinet	Material: Aluminum Construction: Formed sheet aluminum with welded corners Protective Powder Coat: Gloss White – Outside & Matte Black - Inside Ventilation: 2 rain-tight vents (intake & exhaust) restrict water from entering.
Lid Assembly	Material: Stainless Steel, Polycarbonate Window: Scratch resistant, UV stabilized polycarbonate. Frame Construction: Welded stainless steel tube. Weather Stripping: Creates a tight seal from harsh environmental conditions. Enclosure Access: Hinged lid with latches allows easy access without the aid of tools.
Components	
Description	Components located in the enclosure include: Photo Cell, Fan, Cables, Control Board and LED Modules.

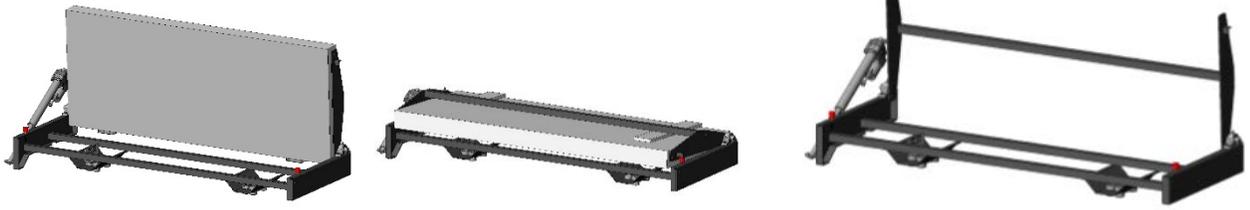


LiteReader® Vehicle Changeable Message Sign (VCMS) Specification

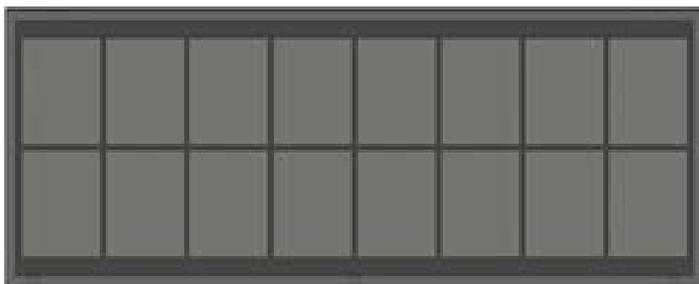
Photo-Cell	Detects environmental light conditions to brighten or dim the display to maximize message legibility and visibility.
Fan	Circulates air to maintain optimal sign cabinet temperature.
Cables	Power Pigtail Cable Communication Pigtail Cable Data Cables (16)
Control Board	Description: The control board stores and displays 40 user-programmable messages, adjusts display brightness, and monitors and controls cabinet temperature. Benefit: The control board's cabinet enclosure location simplifies the sign's design and installation, while maximizing vehicle space. Environmental Protection: Conformal Coat
LED Module	Benefit: The LED Module can be installed to any location on the sign's display. The removal of one module will not adversely affect any of the sign. LED Type: High-Brightness LED Color: Amber 590-594nm peak LED Hr. Rating: 100,000 LED Viewing Angle Rating: 30° (15° from center) Number of LED's Per Pixel: 4 Number of Pixels: 40 Total (8 Rows X 5 Columns) Environmental Protection: Conformal Coat

Display

Matrix Type	Character Matrix
Matrix Size	69.75" x 23.25" (177.2cm x 59.1cm)
Number of LED Modules per Matrix	16 Total (2 Rows x 8 Columns)
Number of LED Pixels per Matrix	640 Total (16 Rows x 40 Columns)
Symbols/Arrows	Left/Right Arrow (Type A) Left/Right Sequencing Arrow Left/Right Chevron Double Arrow Corner Caution
Alpha/Numeric Font Sizes	2 lines of 10" characters, 8 characters per line 1 line of 23" characters, 4 characters per line
Alpha/Numeric Pixel Configuration	5 x 7 for 10" character 9 x 16 for 23" character
Day Legibility	2 lines of 10" characters: 650'+ 1 line of 23" characters: 1,400'+
Night Legibility	2 lines of 10" characters: 600'+ 1 line of 23" characters: 1,000'+
Message Viewing Angle	120°+ (60°+ from center)

Upper Mount (1020 Series)	
	
Description	The 1020 Series Upper Mount moves the sign from a horizontal (stow) position to a vertical (display) position, and back.
Application	Enclosed truck body, bulkhead, or headache rack.
Construction	Welded plate & rectangular tube mild steel with a matte black protective powder coat.
Vibration Dampening	A vibration dampening system is incorporated into the mount design to minimize harmful road vibration to the sign.
Stowed Upper Mount Size	84" x 29" x 17" (213cm x 74cm x 43cm)
Upper Mount Weight	134lb (61kg)
Sign & Upper Mount Weight	222lb (101kg)
 Actuator	A 12 volt linear actuator rated 1,200lb dynamic and 3,000lb static load shall be used to stabilize and move the sign from horizontal (stow) position to vertical (display) position.
  Actuator Control Box	<p>Description: The Actuator Control Box switch which moves the sign to from a horizontal (stow) or vertical (display) position, and back.</p> <p>Features:</p> <p>Three position non-momentary toggle switch:</p> <ul style="list-style-type: none"> • Up-position raises the sign • Down-position lowers the sign • Middle-position stops the sign <p>Auto-Stop Function: The Actuator Control Box allows the operator to initiate sign movement to its desired position. When the sign reaches the desired position, the Actuator Control Box will automatically stop the sign.</p> <p>Sign Position Indicator Lights:</p> <ul style="list-style-type: none"> • Red Light – Sign position is in a vertical (display) position • Yellow Light – Sign is in transition to display or stow position • Green Light – Sign is in horizontal (stow) position, off after 10s <p>Red Warning Light: Red LED light with 5ft cable connecting to the Actuator Control Box, for mounting onto the vehicles dash. This extra light is used as an additional warning light to inform the driver that the sign is in the display position, when lighted.</p>
Bumpers	When in the horizontal (stow) position, the sign is resting on two adjustable polyurethane bumpers.
Deploy Speed	6s
Travel Speed	Sign deploying 45 MPH Sign in vertical (display) position 65 MPH Sign in horizontal (stow) position 75 MPH

Model 1020F-4



Description	2-Line (10" Character) full matrix vehicle changeable message sign.
Function	Displays messages to inform and direct traffic through road work zones.
Benefit	Unlike light bars and arrow boards, a truck mounted changeable message sign can display specific messages to better inform and direct traffic through busy road work zones. When used, work zone operations report a significant increase in safety and a reduction in claims.
Application	Truck mounted changeable message signs are typically installed on, but not limited to, paint striping, road maintenance, and traffic incident management vehicles.
Standard	MUTCD Section 6F.60.15, Portable Changeable Message Sign
Weight	88lb (39.9kg)
Power Source	12VDC
Current Draw	Average: 3.50Ah Peak: 5.75Ah
RF Immunity	SAE J551-4, 150kHz – 1000MHz
Operating Temp	-40°F to 185°F (-40°C to 85°C)
Cables	Communication Cable: 30'-50' Power Cable: 30'-50'
Enclosure	
Description	The enclosure is comprised of the sign cabinet and lid assembly.
Function	Provides environmental protection & temperature control for sign components.
Benefit	Maximizes sign display visibility & legibility.
Enclosure Size	75" x 31" x 5" (190cm x 79cm x 13cm)
Cabinet	Material: Aluminum Construction: Formed sheet aluminum with welded corners Protective Powder Coat: Gloss White – Outside & Matte Black - Inside Ventilation: 2 rain-tight vents (intake & exhaust) restrict water from entering.
Lid Assembly	Material: Stainless Steel, Polycarbonate Window: Scratch resistant, UV stabilized polycarbonate. Frame Construction: Welded stainless steel tube. Weather Stripping: Creates a tight seal from harsh environmental conditions. Enclosure Access: Hinged lid with latches allows easy access without the aid of tools.
Components	
Description	Components located in the enclosure include: Photo Cell, Fan, Cables, Control Board and LED Modules.



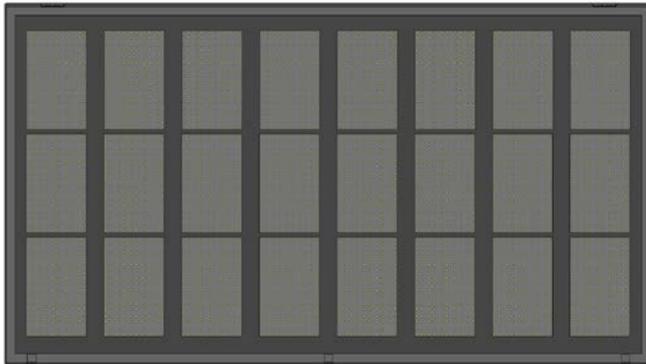
LiteReader® Vehicle Changeable Message Sign (VCMS) Specification

Photo-Cell	Detects environmental light conditions to brighten or dim the display to maximize message legibility and visibility.
Fan	Circulates air to maintain optimal sign cabinet temperature.
Cables	Power Pigtail Cable Communication Pigtail Cable Data Cables (16)
Control Board	Description: The control board stores and displays 40 user-programmable messages, adjusts display brightness, and monitors and controls cabinet temperature. Benefit: The control board's cabinet enclosure location simplifies the sign's design and installation, while maximizing vehicle space. Environmental Protection: Conformal Coat
LED Module	Benefit: The LED Module can be installed to any location on the sign's display. The removal of one module will not adversely affect any of the sign. LED Type: High-Brightness LED Color: Amber 590-594nm peak LED Hr. Rating: 100,000 LED Viewing Angle Rating: 30° (15° from center) Number of LED's Per Pixel: 4 Number of Pixels: 48 Total (8 Rows X 6 Columns) Environmental Protection: Conformal Coat

Display

Matrix Type	Full Matrix
Matrix Size	71.25" x 23.25" (181.0cm x 59.1cm)
Number of LED Modules per Matrix	16 Total (2 Rows x 8 Columns)
Number of LED Pixels per Matrix	768 Total (16 Rows x 48 Columns)
Symbols/Arrows	Left/Right Arrow (Type A) Left/Right Sequencing Arrow Left/Right Chevron Double Arrow Corner Caution
Alpha/Numeric Font Sizes	2 lines of 10" characters, 8 characters per line 1 line of 14" characters, 6 characters per line 1 line of 20" characters, 4 characters per line
Alpha/Numeric Pixel Configuration	5 x 7 for 10" character 7 x 10 for 14" character 10 x 14 for 20" character
Day Legibility	2 lines of 10" characters: 650'+ 1 line of 14" characters: 1,000'+ 1 line of 20" characters: 1,400'+
Night Legibility	2 lines of 10" characters: 600'+ 1 line of 14" characters: 700'+ 1 line of 20" characters: 1,000'+
Message Viewing Angle	120°+ (60°+ from center)

Model 1030A-4



Description	3-Line (10" Character) character matrix vehicle changeable message sign.
Function	Displays messages to inform and direct traffic through road work zones.
Benefit	Unlike light bars and arrow boards, a truck mounted changeable message sign can display specific messages to better inform and direct traffic through busy road work zones. When used, work zone operations report a significant increase in safety and a reduction in claims.
Application	Truck mounted changeable message signs are typically installed on, but not limited to, paint striping, road maintenance, and traffic incident management vehicles.
Standard	MUTCD Section 6F.60.15, Portable Changeable Message Sign
Weight	118lb (53.5kg)
Power Source	12VDC
Current Draw	Average: 6.0Ah Peak: 9.75Ah
RF Immunity	SAE J551-4, 150kHz – 1000MHz
Operating Temp	-40°F to 185°F (-40°C to 85°C)
Cables	Communication Cable: 30'-50' Power Cable: 30'-50'
Enclosure	
Description	The enclosure is comprised of the sign cabinet and lid assembly.
Function	Provides environmental protection & temperature control for sign components.
Benefit	Maximizes sign display visibility & legibility.
Enclosure Size	75" x 41" x 5" (190cm x 104cm x 13cm)
Cabinet	Material: Aluminum Construction: Formed sheet aluminum with welded corners Protective Powder Coat: Gloss White – Outside & Matte Black - Inside Ventilation: 2 rain-tight vents (intake & exhaust) restrict water from entering.
Lid Assembly	Material: Stainless Steel, Polycarbonate Window: Scratch resistant, UV stabilized polycarbonate. Frame Construction: Welded stainless steel tube. Weather Stripping: Creates a tight seal from harsh environmental conditions. Enclosure Access: Hinged lid with latches allows easy access without the aid of tools.
Components	
Description	Components located in the enclosure include: Photo Cell, Fan, Cables, Control Board and LED Modules.



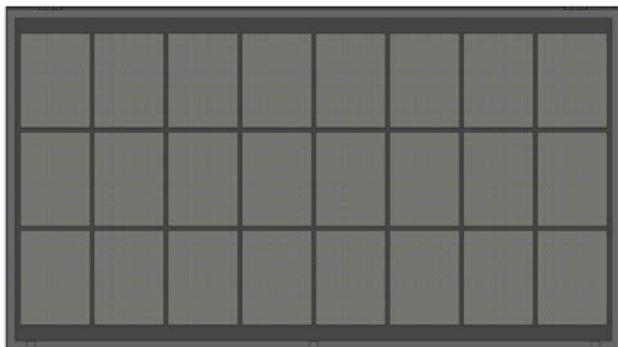
LiteReader® Vehicle Changeable Message Sign (VCMS) Specification

Photo-Cell	Detects environmental light conditions to brighten or dim the display to maximize message legibility and visibility.
Fan	Circulates air to maintain optimal sign cabinet temperature.
Cables	Power Pigtail Cable Communication Pigtail Cable Data Cables (24)
Control Board	Description: The control board stores and displays 40 user-programmable messages, adjusts display brightness, and monitors and controls cabinet temperature. Benefit: The control board's cabinet enclosure location simplifies the sign's design and installation, while maximizing vehicle space. Environmental Protection: Conformal Coat
LED Module	Benefit: The LED Module can be installed to any location on the sign's display. The removal of one module will not adversely affect any of the sign. LED Type: High-Brightness LED Color: Amber 590-594nm peak LED Hr. Rating: 100,000 LED Viewing Angle Rating: 30° (15° from center) Number of LED's Per Pixel: 4 Number of Pixels: 40 Total (8 Rows X 5 Columns) Environmental Protection: Conformal Coat

Display

Matrix Type	Character Matrix
Matrix Size	69.75" x 36.75" (177.2cm x 93.4cm)
Number of LED Modules per Matrix	24 Total (3 Rows x 8 Columns)
Number of LED Pixels per Matrix	960 Total (24 Rows x 40 Columns)
Symbols/Arrows	Left/Right Arrow (Type A) Left/Right Sequencing Arrow Left/Right Chevron Double Arrow Corner Caution
Alpha/Numeric Font Sizes	3 lines of 10" characters, 8 characters per line 1 line of 23" characters, 4 characters per line
Alpha/Numeric Pixel Configuration	5 x 7 for 10" character 9 x 16 for 23" character
Day Legibility	2 lines of 10" characters: 650'+ 1 line of 23" characters: 1,400'+
Night Legibility	2 lines of 10" characters: 600'+ 1 line of 23" characters: 1,000'+
Message Viewing Angle	120°+ (60°+ from center)

Model 1030F-4



Description	3-Line (10" Character) full matrix vehicle changeable message sign.
Function	Displays messages to inform and direct traffic through road work zones.
Benefit	Unlike light bars and arrow boards, a truck mounted changeable message sign can display specific messages to better inform and direct traffic through busy road work zones. When used, work zone operations report a significant increase in safety and a reduction in claims.
Application	Truck mounted changeable message signs are typically installed, but not limited to, paint striping, road maintenance, and traffic incident management vehicles.
Standard	MUTCD Section 6F.60.15, Portable Changeable Message Sign
Weight	118lb (53.5kg)
Power Source	12VDC
Current Draw	Average: 7.25Ah Peak: 12.25Ah
RF Immunity	SAE J551-4, 150kHz – 1000MHz
Operating Temp	-40°F to 185°F (-40°C to 85°C)
Cables	Communication Cable: 30'-50' Power Cable: 30'-50'
Enclosure	
Description	The enclosure is comprised of the sign cabinet and lid assembly.
Function	Provides environmental protection & temperature control for sign components.
Benefit	Maximizes sign display visibility & legibility.
Enclosure Size	75" x 41" x 5" (190cm x 104cm x 13cm)
Cabinet	Material: Aluminum Construction: Formed sheet aluminum with welded corners Protective Powder Coat: Gloss White – Outside & Matte Black - Inside Ventilation: 2 rain-tight vents (intake & exhaust) restrict water from entering.
Lid Assembly	Material: Stainless Steel, Polycarbonate Window: Scratch resistant, UV stabilized polycarbonate. Frame Construction: Welded stainless steel tube. Weather Stripping: Creates a tight seal from harsh environmental conditions. Enclosure Access: Hinged lid with latches allows easy access without the aid of tools.
Components	
Description	Components located in the enclosure include: Photo Cell, Fan, Cables, Control Board and LED Modules.



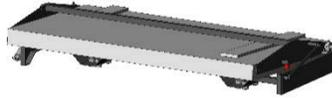
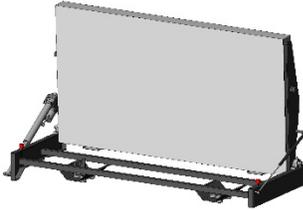
LiteReader® Vehicle Changeable Message Sign (VCMS) Specification

Photo-Cell	Detects environmental light conditions to brighten or dim the display to maximize message legibility and visibility.
Fan	Circulates air to maintain optimal sign cabinet temperature.
Cables	Power Pigtail Cable Communication Pigtail Cable Data Cables (24)
Control Board	Description: The control board stores and displays 48 user-programmable messages, adjusts display brightness, and monitors and controls cabinet temperature. Benefit: The control board's cabinet enclosure location simplifies the sign's design and installation, while maximizing vehicle space. Environmental Protection: Conformal Coat
LED Module	Benefit: The LED Module can be installed to any location on the sign's display. The removal of one module will not adversely affect any of the sign. LED Type: High-Brightness LED Color: Amber 590-594nm peak LED Hr. Rating: 100,000 LED Viewing Angle Rating: 30° (15° from center) Number of LED's Per Pixel: 4 Number of Pixels: 48 Total (8 Rows X 6 Columns) Environmental Protection: Conformal Coat

Display

Matrix Type	Full Matrix
Matrix Size	71.25" x 35.25" (181.0cm x 89.5cm)
Number of LED Modules per Matrix	24 (3 Rows x 8 Columns)
Number of LED Pixels per Matrix	1152 (24 Rows x 48 Columns)
MUTCD Symbols	Left/Right Arrow (Type A) Left/Right Sequencing Arrow Left/Right Chevron Double Arrow Corner Caution Dancing Diamond
Alpha/Numeric Font Sizes	3 lines of 10" characters, 8 characters per line 2 line of 16" characters, 6 characters per line 1 line of 20" characters, 4 characters per line
Alpha/Numeric Pixel Configuration	5 x 7 for 10" character 7 x 11 for 16" character 10 x 14 for 20" character
Day Legibility	3 lines of 10" characters: 650'+ 2 line of 16" characters: 1,000'+ 1 line of 20" characters: 1,400'+
Night Legibility	3 lines of 10" characters: 600'+ 2 line of 16" characters: 700'+ 1 line of 20" characters: 1,000'+
Message Viewing Angle	120°+ (60°+ from center)

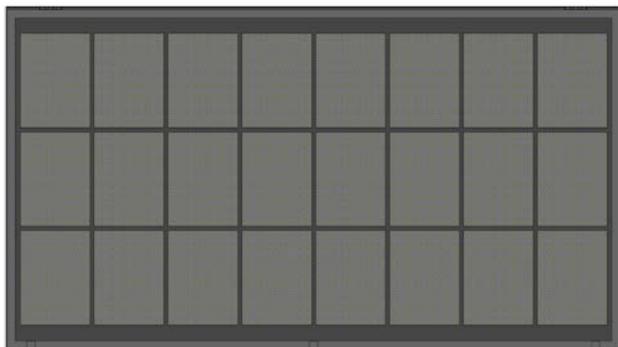
Upper Mount (1030 Series)



Description	The 1030 Series Upper Mount moves the sign from a horizontal (stow) position to a vertical (display) position, and back.
Application	Enclosed truck body, bulkhead, or headache rack.
Construction	Welded plate & rectangular tube mild steel with a matte black protective powder coat.
Vibration Dampening	A vibration dampening system is incorporated into the mount design to minimize harmful road vibration to the sign.
Stowed Mount Size	84" x 39" x 18" (214cm x 98cm x 46cm)
Upper Mount Weight	146lb (66kg)
Sign & Upper Mount Weight	264lb (112kg)
 Actuator	A 12 volt linear actuator rated 1,200lb dynamic and 3,000lb static load shall be used to stabilize and move the sign from horizontal (stow) position to vertical (display) position.
  Actuator Control Box	<p>Description: The Actuator Control Box switch which moves the sign to from a horizontal (stow) or vertical (display) position, and back.</p> <p>Features:</p> <ul style="list-style-type: none"> Three position non-momentary toggle switch: <ul style="list-style-type: none"> • Up-position raises the sign • Down-position lowers the sign • Middle-position stops the sign <p>Auto-Stop Function: The Actuator Control Box allows the operator to initiate sign movement to its desired position. When the sign reaches the desired position, the Actuator Control Box will automatically stop the sign.</p> <p>Sign Position Indicator Lights:</p> <ul style="list-style-type: none"> • Red Light – Sign position is in a vertical (display) position • Yellow Light – Sign is in transition to display or stow position • Green Light – Sign is in horizontal (stow) position, off after 10s <p>Red Warning Light: Red LED light with 5ft cable connecting to the Actuator Control Box, for mounting onto the vehicles dash. This extra light is used as an additional warning light to inform the driver that the sign is in the display position, when lighted.</p>
Bumpers	When in the horizontal (stow) position, the sign is resting on two adjustable polyurethane bumpers.
Deploy Speed	8s
Travel Speed	Sign deploying 35 MPH Sign in vertical (display) position 55 MPH Sign in horizontal (stow) position 75 MPH

Exo-Frame (1030 Series)	
	
General Description	The Exo-Frame adds torsional rigidity while securing the sign's cabinet to a vehicle in a stationary vertical (display) position.
Application	Paint striping trucks, attenuator trucks, and attenuator trailers.
Construction	Formed and welded plate and rectangular tube mild steel with a matte black protective powder coat.
Vibration Dampening	To minimize harmful road vibration & shock to the sign a vibration dampening system is incorporated into the mount design.
Mount Size	81" x 45" x 6" (206cm x 113cm x 15cm)
Exo-Frame Weight	44lb (60kg)
Sign with Exo-Frame Weight	162lb (73kg)

Model 1230F-4



Description	3-Line (12" Character) full matrix vehicle changeable message sign.
Function	Displays messages to inform and direct traffic through road work zones.
Benefit	Unlike light bars and arrow boards, a truck mounted changeable message sign can display specific messages to better inform and direct traffic through busy road work zones. When used, work zone operations report a significant increase in safety and a reduction in claims.
Application	Truck mounted changeable message signs are typically installed, but not limited to, paint striping, road maintenance, and traffic attenuator trailers and trucks.
Standard	MUTCD Section 6F.60.15, Portable Changeable Message Sign
Weight	165lb (74.8kg)
Power Source	12VDC
Current Draw	Average: 7.70Ah Peak: 12.60Ah
RF Immunity	SAE J551-4, 150kHz – 1000MHz
Operating Temp	-40°F to 185°F (-40°C to 85°C)
Cables	Communication Cable: 30'-50' Power Cable: 30'-50'
Enclosure	
Description	The enclosure is comprised of the sign cabinet and lid assembly.
Function	Provides environmental protection & temperature control for sign components.
Benefit	Maximizes sign display visibility & legibility.
Enclosure Size	96" x 48" x 5" (244cm x 122cm x 13cm)
Cabinet	Material: Aluminum Construction: Formed sheet aluminum Protective Powder Coat: Gloss White – Outside & Matte Black - Inside Ventilation: 2 rain-tight vents (intake & exhaust) restrict water from entering.
Lid Assembly	Material: Stainless Steel, Polycarbonate Window: Scratch resistant, UV stabilized polycarbonate. Frame Construction: Welded stainless steel tube. Weather Stripping: Creates a tight seal from harsh environmental conditions. Enclosure Access: Hinged lid with latches allows easy access without the aid of tools.
Components	
Description	Components located in the enclosure include: Photo Cell, Fan, Cables, Control Board and LED Modules.



LiteReader® Vehicle Changeable Message Sign (VCMS) Specification

Photo-Cell	Detects environmental light conditions to brighten or dim the display to maximize message legibility and visibility.	
Fan	Circulates air to maintain optimal sign cabinet temperature.	
Cables	Power Pigtail Cable Communication Pigtail Cable Data Cables (24)	
Control Board	<p>Description: The control board stores and displays 48 user-programmable messages, adjusts display brightness, and monitors and controls cabinet temperature.</p> <p>Benefit: The control board's cabinet enclosure location simplifies the sign's design and installation, while maximizing vehicle space.</p> <p>Environmental Protection: Conformal Coat</p>	
LED Module	<p>Benefit: The LED Module can be installed to any location on the sign's display. The removal of one module will not adversely affect any of the sign.</p> <p>LED Type: High-Brightness LED Color: Amber 590-594nm peak LED Hr. Rating: 100,000 LED Viewing Angle Rating: 30° (15° from center) Number of LED's Per Pixel: 4 Number of Pixels: 48 Total (8 Rows X 6 Columns)</p> <p>Environmental Protection: Conformal Coat</p>	
Display		
	Matrix Type	Full Matrix
	Matrix Size	83.25" x 41.25" (211.5cm x 104.8cm)
	Number of LED Modules per Matrix	24 (3 Rows x 8 Columns)
	Number of LED Pixels per Matrix	1152 (24 Rows x 48 Columns)
	MUTCD Symbols	Left/Right Arrow (Type A) Left/Right Sequencing Arrow Left/Right Chevron Double Arrow Corner Caution Dancing Diamond
	Alpha/Numeric Font Sizes	3 lines of 12" characters, 8 characters per line 2 line of 18" characters, 6 characters per line 1 line of 24" characters, 4 characters per line
	Alpha/Numeric Pixel Configuration	5 x 7 for 12" character 7 x 11 for 18" character 10 x 14 for 24" character
	Day Legibility	3 lines of 12" characters: 800'+ 2 line of 18" characters: 1,000'+ 1 line of 24" characters: 1,500'+
	Night Legibility	3 lines of 12" characters: 650'+ 2 line of 18" characters: 900'+ 1 line of 24" characters: 1,300'+
	Message Viewing Angle	120°+ (60°+ from center)

**PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) (Group III)
BASE UNIT REQUIREMENTS - SPECIFICATION NO. 4.0
SWIFT EVENT NO. 9974**

File: A210-08-2019

Vendor Name:	Intelicom Inc. D.B.A. LiteSys Inc.
Contact Person:	Kendall Kanning
Street Address:	150 Pollywog Lane
P.O. Box:	239
City, State, Zip	Belgrade, MT 59714
Phone #:	(406) 388-9317
Toll Free #:	800-533-7441
Fax #:	(406) 388-9319
Email Address:	kendall@litesys.com & sales@litesys.com

4.0	Information Requested	Answer
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	Manufacturer	LiteSys Inc.
	Make and Model	LiteReader VCMS, Model 1020A-4
	Make and Model	LiteReader VCMS, Model 1020F-4
	Make and Model	LiteReader VCMS, Model 1030A-4
	Make and Model	LiteReader VCMS, Model 1030F-4
	Make and Model	LiteReader VCMS, Model 1230F-4

	Warranty Length (In days, months, or years)	1 Year (12 Month)
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4.1	Date & I.D. of Price List	Date: 10/1/2019 of Price List: 19100101MN
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4.2	Discount to be applied to Price List *Note: The "Discount to be Applied to Price List" must be a numeric percentage, which may include 0%. Not listing a numeric percentage may result in your bid being rejected.	15%
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4.3	Price per loaded mile for delivery Delivery Starting Point Address	\$0.00 Belgrade, MT 59714
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4.4	Price for additional set of manuals (service, parts, & operations)	Paper: \$0.00 Digital: \$0.00
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4.5	<u>PERFORMANCE/WARRANTY OPTIONS:</u> Use this section to offer performance/extended warranty options and include cost. (Specify days, months, or years extended term covers) Add as many lines as needed.	
	1 Year Warranty (Standard)	\$0.00
	2 Year Warranty (add 1 Year Extended)	\$500.00
	3 Year Warranty (add 2 Year Extended)	\$1,000.00

4.6	<u>OPTIONAL UPGRADE ITEM(S)</u> Use this section for items not listed in manufacturer's price list. These items must be an upgrade to PCMS operation or functionality. *Responder must give manufacturer name and item number. Add as many lines as needed.	
	MTS:MS10, Manual Swivel Mount Accessory Manufacturer: LiteSys Inc.	\$1,325.25
	MTS:PS10, Powered Swivel Mount Accessory Manufacturer: LiteSys Inc.	\$3,795.25

4.7	<u>MNDOT TRAILER WIRING</u> Cost for Trailer Wiring per MNDOT Specification. See attached drawing	
	Price:	\$0.00 - N/A



Vehicle Changeable Message Sign (VCMS) Product Price Sheet

October 1, 2019, ID# 19100101MN

Brand & Model	Sign Mount Options	Retail Price	15 % Discount Includes Standard 1 Year Warranty	15% Discount + Warranty Options		Delivery
				*2 Year Warranty	^3 Year Warranty	
LiteReader® VCMS Model 1020A-4	Exo-Frame Mount	\$9,995.00	\$8,495.75	\$8,995.75	\$9,495.75	45 Days ARO
	Upper Mount	\$11,330.56	\$9,630.97	\$10,130.97	\$10,630.97	
	Full Mount	\$11,622.78	\$9,879.36	\$10,379.36	\$10,879.36	
LiteReader® VCMS Model 1020F-4	Exo-Frame Mount	\$10,995.00	\$9,345.75	\$9,845.75	\$10,345.75	45 Days ARO
	Upper Mount	\$12,330.56	\$10,480.97	\$10,980.97	\$11,480.97	
	Full Mount	\$12,622.78	\$10,729.36	\$11,229.36	\$11,729.36	
LiteReader® VCMS Model 1030A-4	Exo-Frame Mount	\$11,840.00	\$10,064.00	\$10,564.00	\$11,064.00	45 Days ARO
	Upper Mount	\$13,175.56	\$11,199.22	\$11,699.22	\$12,199.22	
	Full Mount	\$13,467.78	\$11,447.61	\$11,947.61	\$12,447.61	
LiteReader® VCMS Model 1030F-4	Exo-Frame Mount	\$13,195.00	\$11,215.75	\$11,715.75	\$12,215.75	45 Days ARO
	Upper Mount	\$14,530.56	\$12,350.98	\$12,850.98	\$13,350.98	
	Full Mount	\$14,822.78	\$12,599.36	\$13,099.36	\$13,599.36	
LiteReader® VCMS Model 1230F-4	Exo-Frame Mount	\$15,495.00	\$13,170.75	\$13,670.75	\$14,170.75	60 Days ARO
	Upper Mount	\$16,989.44	\$14,441.02	\$14,941.02	\$15,441.02	
	Full Mount	\$17,289.44	\$14,696.02	\$15,196.02	\$15,696.02	

*The 2 year warranty is obtained by purchasing a 1 year warranty extension (\$500.00). See Performance/Warranty Option Section 4.0 Changeable Message Boards Tab.

^The 3 year warranty is obtained by purchasing a 2 year warranty extension (\$1,000.00). See Performance/Warranty Option Section 4.0 Changeable Message Boards Tab.



P.O. Box 239, 150 Pollywog Lane, Belgrade MT 59714, Phone: (406)388-9317 Fax (406)388-9317

www.litesys.com, info@litesys.com



LiteReader

Vehicle Changeable Message Sign Products



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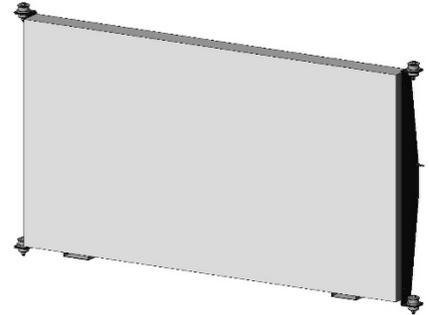
LiteReader VCMS Model 1030F-4: Page 7

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Below is a description of the three mount options available for the LiteReader VCMS Products. The following LiteReader VCMS Product Catalog lists the sign/mount packages available for purchase.

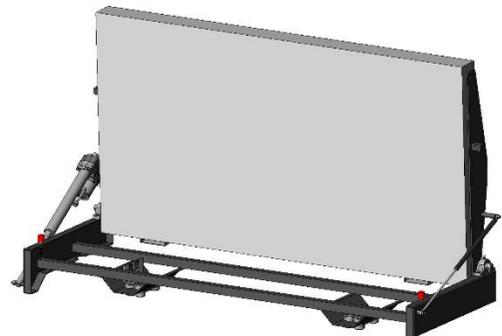
□ **Option 1: Sign with Exo-Frame (Fixed) Mount**

This sign/mount package includes the sign, sign controller, power and communication cables, and Exo-Frame mount bracket. Customers who choose this package will install the sign in a stationary vertical (display) position on a vehicle.



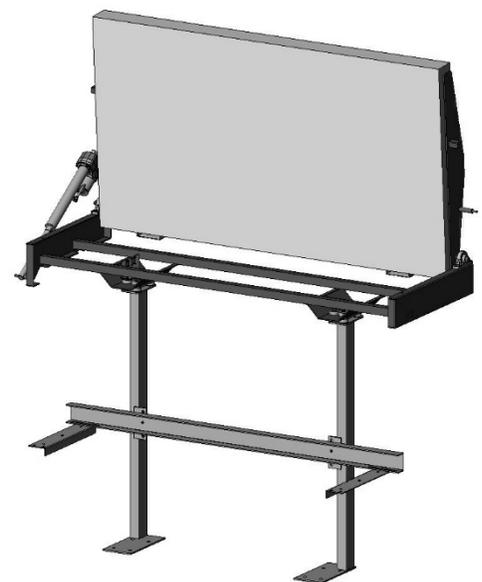
□ **Option 2: Sign with Upper (Pivot) Mount**

This sign/mount package includes the sign, sign controller, power and communication cables, and Upper Mount. The Upper Mount is designed to keep the sign at a low profile when in a horizontal (stow) position. The mount has a 12 volt linear actuator which moves the sign from the stowed position to a display position. The Upper Mount includes an Actuator Control Box with sign position indicator lights. Customers who choose this option typically install the sign to a reinforced headache rack, enclosed truck body, or customized mount bracket.



□ **Option 3: Sign with Full Mount**

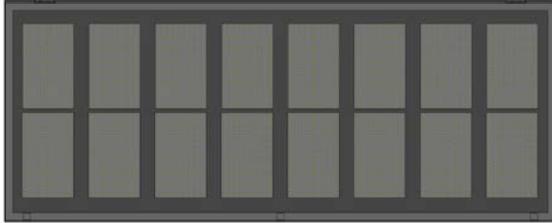
This sign/mount package includes the Sign, Sign Controller, Power and Communication Cables, and Full Mount. The Full Mount is comprised of the Upper Mount and Lower Mount. The Lower Mount is a bracket which attaches the Upper Mount to a pickup or flatbed truck.



For more information on the signs and mounts listed on the price sheet please contact Kendall Kanning (kendall@litesys.com) LiteSys Inc. Sales Department at (406)388-9317.

LiteReader Vehicle Changeable Message Sign Model 1020A-4

"MNDOT Approved/Qualified Product Changeable Message Signs: Type A – One Line, Vehicle Mounted"



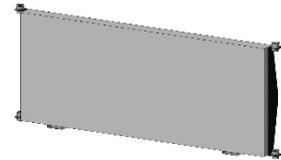
Sign/ Mount Option #1

LiteReader® VCMS Model 1020A-4 with Exo-Frame Mount

- 2 line Character Matrix LED Message Sign
- Keypad Controller with Backlit Keypad
- 30' or 50' Power and Communication Cables
- Mount Option: Exo-Frame
- 1 Year Standard Warranty included in Price

Retail Unit Price

\$9,995.00ea.



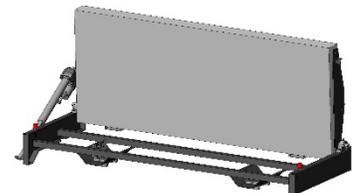
Sign/ Mount Option #2

LiteReader® VCMS Model 1020A-4 with Upper Mount

- 2 line Character Matrix LED Message Sign
- Keypad Controller with Backlit Keypad
- 30' or 50' Power and Communication Cables
- Mount Option: Low Profile Upper Mount
- Actuator Control Box with sign position indicator lights
- 12 volt actuator
- 1 Year Warranty (Extended Warranty Available)

Retail Unit Price

\$ 11,330.56 ea.



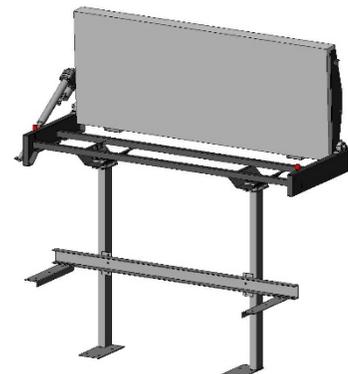
Sign/ Mount Option #3

LiteReader® VCMS Model 1020A-4 with Full Mount

- 2 line Character Matrix LED Message Sign
- Keypad Controller with Backlit Keypad
- 30' or 50' Power and Communication Cables
- Mount Option: Full Mount
- Actuator Control Box with sign position indicator lights
- 12 volt actuator
- 1 Year Warranty (Extended Warranty Available)

Retail Unit Price

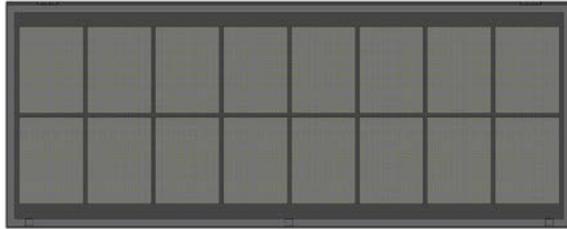
\$ 11,622.78 ea.



LiteReader Vehicle Changeable Message Sign Model 1020F-4

Compliant with

"MNDOT Approved/Qualified Product Changeable Message Signs: Type A – One Line, Vehicle Mounted"



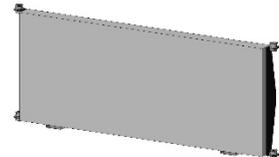
Sign/ Mount Option #1

LiteReader® VCMS Model 1020F-4 with Exo-Frame Mount

- 2 line Full Matrix LED Message Sign
- Keypad Controller with Backlit Keypad
- 30' or 50' Power and Communication Cables
- Mount Option: Exo-Frame
- 1 Year Standard Warranty included in Price

Retail Unit Price

\$10,995.00ea.



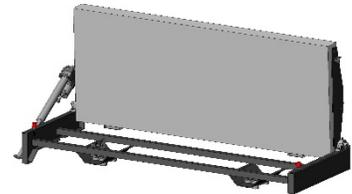
Sign/ Mount Option #2

LiteReader® VCMS Model 1020F-4 with Upper Mount

- 2 line Full Matrix LED Message Sign
- Keypad Controller with Backlit Keypad
- 30' or 50' Power and Communication Cables
- Mount Option: Low Profile Upper Mount
- Actuator Control Box with sign position indicator lights
- 12 volt actuator
- 1 Year Warranty (Extended Warranty Available)

Retail Unit Price

\$ 12,330.56 ea.



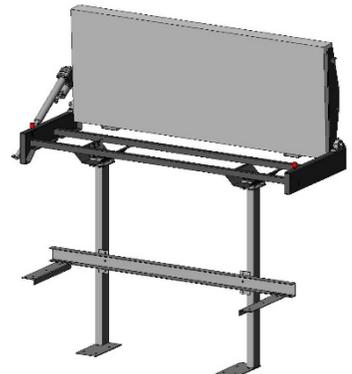
Sign/ Mount Option #3

LiteReader® VCMS Model 1020F-4 with Full Mount

- 2 line Full Matrix LED Message Sign
- Keypad Controller with Backlit Keypad
- 30' or 50' Power and Communication Cables
- Mount Option: Full Mount
- Actuator Control Box with sign position indicator lights
- 12 volt actuator
- 1 Year Warranty (Extended Warranty Available)

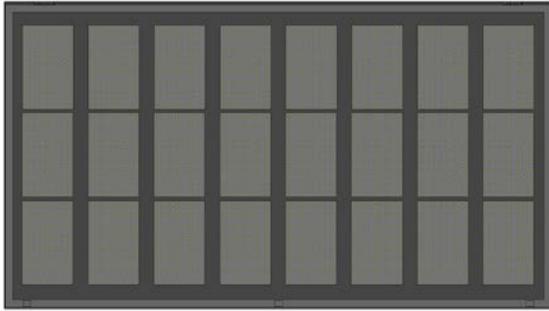
Retail Unit Price

\$ 12,622.78 ea.



LiteReader Vehicle Changeable Message Sign Model 1030A-4

"MNDOT Approved/Qualified Product Changeable Message Signs: Type A – One Line, Vehicle Mounted"



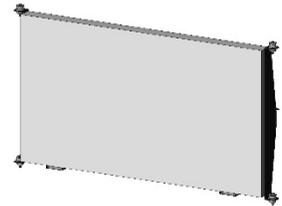
Sign/ Mount Option #1

LiteReader® VCMS Model 1030A-4 with Exo-Frame Mount

- 3 line Character Matrix LED Message Sign
- Keypad Controller with Backlit Keypad
- 30' or 50' Power and Communication Cables
- Mount Option: Exo-Frame
- 1 Year Warranty (Extended Warranty Available)

Retail Unit Price

\$11,840.00 ea.



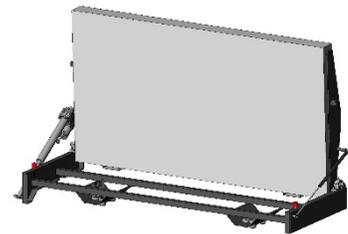
Sign/ Mount Option #2

LiteReader® VCMS Model 1030A-4 with Upper Mount

- 3 line Character Matrix LED Message Sign
- Keypad Controller with Backlit Keypad
- 30' or 50' Power and Communication Cables
- Mount Option: Low Profile Upper Mount
- Actuator Control Box with sign position indicator lights
- 12 volt actuator
- 1 Year Warranty (Extended Warranty Available)

Retail Unit Price

\$ 13,175.56 ea.



Sign/ Mount Option #3

LiteReader® VCMS Model 1030A-4 with Full Mount

- 3 line Character Matrix LED Message Sign
- Keypad Controller with Backlit Keypad
- 30' or 50' Power and Communication Cables
- Mount Option: Full Mount
- Actuator Control Box with sign position indicator lights
- 12 volt actuator
- 1 Year Warranty (Extended Warranty Available)

Retail Unit Price

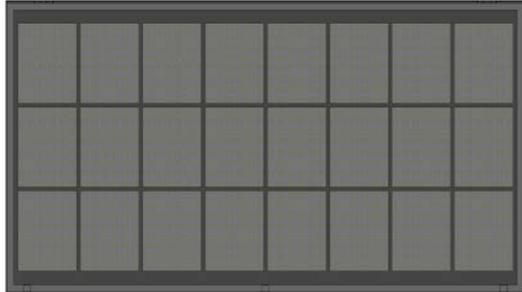
\$ 13,467.78 ea.



LiteReader Vehicle Changeable Message Sign Model 1030F-4

"MNDOT Approved/Qualified Product Changeable Message Signs:

Type A – One Line, Vehicle Mounted & Type B – Two Lines, Vehicle and /or Trailer Mounted"



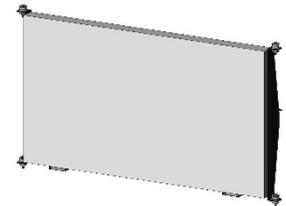
Sign/ Mount Option #1

LiteReader® VCMS Model 1030F-4 with Exo-Frame Mount

- 3 line Full Matrix LED Message Sign
- Keypad Controller with Backlit Keypad
- 30' or 50' Power and Communication Cables
- Mount Option: Exo-Frame
- 1 Year Warranty (Extended Warranty Available)

Retail Unit Price

\$13,195.00 ea.



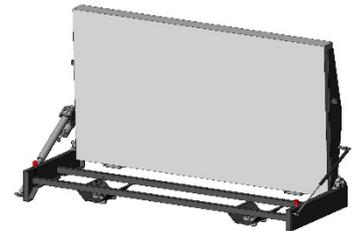
Sign/ Mount Option #2

LiteReader® VCMS Model 1030F-4 with Upper Mount

- 3 line Full Matrix LED Message Sign
- Keypad Controller with Backlit Keypad
- 30' or 50' Power and Communication Cables
- Mount Option: Low Profile Upper Mount
- Actuator Control Box with sign position indicator lights
- 12 volt actuator
- 1 Year Warranty (Extended Warranty Available)

Retail Unit Price

\$ 14,530.56 ea.



Sign/ Mount Option #3

LiteReader® VCMS Model 1030F-4 with Full Mount

- 3 line Full Matrix LED Message Sign
- Keypad Controller with Backlit Keypad
- 30' or 50' Power and Communication Cables
- Mount Option: Full Mount
- Actuator Control Box with sign position indicator lights
- 12 volt actuator
- 1 Year Warranty (Extended Warranty Available)

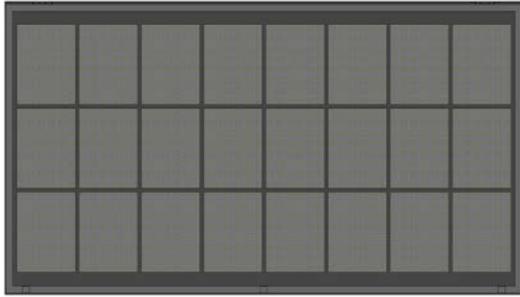
Retail Unit Price

\$ 14,822.78 ea.



LiteReader Vehicle Changeable Message Sign Model 1230F-4

"MNDOT Approved/Qualified Product Changeable Message Signs: Two Lines, Vehicle and /or Trailer Mounted"



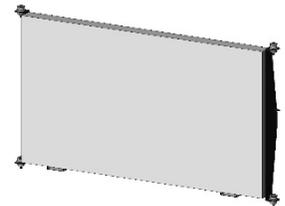
Sign/ Mount Option #1

LiteReader® VCMS Model 1230F-4 with Exo-Frame Mount

- 3 line Full Matrix LED Message Sign
- Keypad Controller with Backlit Keypad
- 30' or 50' Power and Communication Cables
- Mount Option: Exo-Frame
- 1 Year Warranty (Extended Warranty Available)

Retail Unit Price

\$15,495.00 ea.



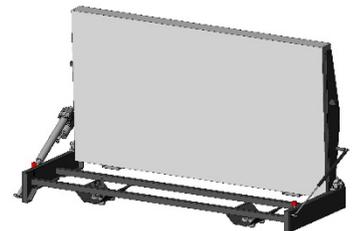
Sign/ Mount Option #2

LiteReader® VCMS Model 1230F-4 with Upper Mount

- 3 line Full Matrix LED Message Sign
- Keypad Controller with Backlit Keypad
- 30' or 50' Power and Communication Cables
- Mount Option: Low Profile Upper Mount
- Actuator Control Box with sign position indicator lights
- 12 volt actuator
- 1 Year Warranty (Extended Warranty Available)

Retail Unit Price

\$ 16,989.44 ea.



Sign/ Mount Option #3

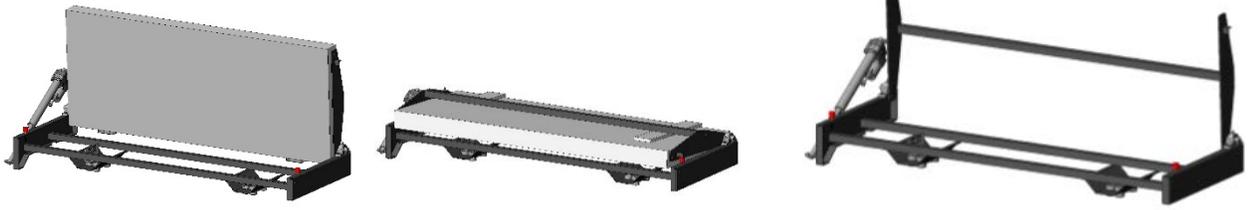
LiteReader® VCMS Model 1230F-4 with Full Mount

- 3 line Full Matrix LED Message Sign
- Keypad Controller with Backlit Keypad
- 30' or 50' Power and Communication Cables
- Mount Option: Full Mount
- Actuator Control Box with sign position indicator lights
- 12 volt actuator
- 1 Year Warranty (Extended Warranty Available)

Retail Unit Price

\$ 17,289.44 ea.



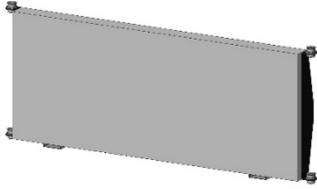
Upper Mount (1020 Series)	
	
Description	The 1020 Series Upper Mount moves the sign from a horizontal (stow) position to a vertical (display) position, and back.
Application	Enclosed truck body, bulkhead, or headache rack.
Construction	Welded plate & rectangular tube mild steel with a matte black protective powder coat.
Vibration Dampening	A vibration dampening system is incorporated into the mount design to minimize harmful road vibration to the sign.
Stowed Upper Mount Size	84" x 29" x 17" (213cm x 74cm x 43cm)
Upper Mount Weight	134lb (61kg)
Sign & Upper Mount Weight	222lb (101kg)
 Actuator	A 12 volt linear actuator rated 1,200lb dynamic and 3,000lb static load shall be used to stabilize and move the sign from horizontal (stow) position to vertical (display) position.
 Actuator Control Box	<p>Description: The Actuator Control Box switch which moves the sign to from a horizontal (stow) or vertical (display) position, and back.</p> <p>Features:</p> <p>Three position non-momentary toggle switch:</p> <ul style="list-style-type: none"> • Up-position raises the sign • Down-position lowers the sign • Middle-position stops the sign <p>Auto-Stop Function: The Actuator Control Box allows the operator to initiate sign movement to its desired position. When the sign reaches the desired position, the Actuator Control Box will automatically stop the sign.</p> <p>Sign Position Indicator Lights:</p> <ul style="list-style-type: none"> • Red Light – Sign position is in a vertical (display) position • Yellow Light – Sign is in transition to display or stow position • Green Light – Sign is in horizontal (stow) position, off after 10s <p>Red Warning Light: Red LED light with 5ft cable connecting to the Actuator Control Box, for mounting onto the vehicles dash. This extra light is used as an additional warning light to inform the driver that the sign is in the display position, when lighted.</p>
Bumpers	When in the horizontal (stow) position, the sign is resting on two adjustable polyurethane bumpers.
Deploy Speed	6s
Travel Speed	Sign deploying 45 MPH Sign in vertical (display) position 65 MPH Sign in horizontal (stow) position 75 MPH

Bed / Rail Lower Mount

Description/Application	Designed to interface with the bed and bed rails of a pickup truck and with the 1020 and 1030 Series Upper Mount.
Benefit	The Bed/Rail Mount mounts behind the truck's cab. This design allows the truck's bed to be fully utilized. The Mount is adjustable to accommodate a variety of pickup brands and models.
Construction	Welded plate & rectangular tube mild steel with a matte black protective powder coat.
Lower Mount Size	72" x 25" x 48" (183cm x 63cm x 122cm)
Lower Mount Weight	85lb (39kg)



Exo-Frame (1020 Series)



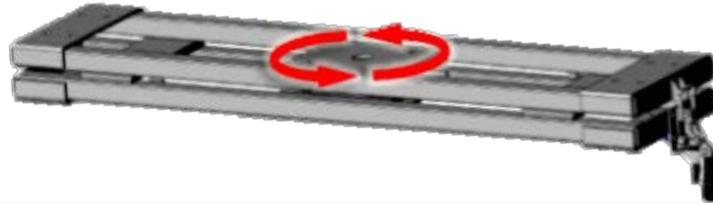
Description	The Exo-Frame adds torsional rigidity while securing the sign's cabinet to a vehicle in a stationary vertical (display) position.
Application	Paint striping trucks, attenuator trucks, and attenuator trailers.
Construction	Formed and welded plate and rectangular tube mild steel with a matte black protective powder coat.
Vibration Dampening	To minimize harmful road vibration & shock to the sign a vibration dampening system is incorporated into the mount design.
Mount Size	81" x 32" x 5" (206cm x 81cm x 13cm)
Exo-Frame Weight	34lb (15.4kg)
Sign with Exo-Frame Weight	122lb (55.3kg)

Powered Swivel



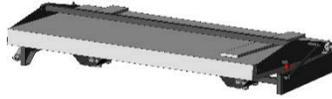
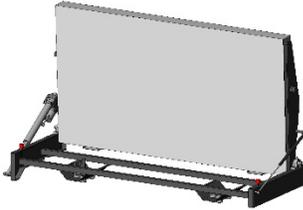
Description	The Powered Swivel is a mount accessory which automatically moves the LiteReader® VCMS Models 1020 or 1030 series to be locked into any position within a 360° angle of rotation.
Application	Any vehicle equipped with a LiteReader® VCMS Model 1020 or 1030 series with Upper Mount.
Benefit	The Powered Swivel Mount Accessory enables the LiteReader® sign to be multi-functional, by addressing traffic from any viewing position within a 360° angle of rotation.
Construction	Welded plate steel with a matte black protective powder coat.
Power Source	12VDC
Current Draw	Max: 8.5A Average: 5A
Rotation Speed	6.6 degrees/sec
Motor	Powered Slewing Drive
Locking	Powered Slewing Drive
Size	50" x 20.5" x 9" (127cm x 52cm x 23cm)
Weight	183lb (83kg)
Controller	 <p>Description: A handheld controller with sign position indicator lights, moves the swivel to a desired location. The swivel automatically stops when it reaches its destination. Enclosure Construction: Molded ABS Plastic Weight: 0.36lb Dimensions: 4.25" x 2.5" x 1.75" (11cm x 6.25cm x 4.5cm) Operating Range: -40°F to 185°F (-40°C to 85°C) Quiescent (Idle) Current Draw: 0.05A Buttons: Go – Initiates sign movement Stop – Stops sign movement Dial: Programs sign position location Number of Sign Position Indicator LED's: 16 Colors: Green – Sign at home Yellow – Sign position while in transition Red – Sign position while stopped anywhere off of home Blue – Knob position White – Knob position when multiple of 45°</p>

Manual Swivel



Description	The Manual Swivel is a mount accessory which moves the LiteReader® VCMS Models 1020 or 1030 series to be locked into a rearward or forward facing position.
Application	Any vehicle equipped with a LiteReader® VCMS Model 1020 or 1030 series with Upper Mount.
Benefit	The Manual Swivel Mount Accessory enables the LiteReader® sign to be multi-functional, by addressing traffic from behind or in-front of a road work zone.
Construction	Welded plate & rectangular tube mild steel with a matte black protective powder coat.
Locking	Locking Toggle Clamp
Size	54" x 13" x 9" (137cm x 33cm x 23cm)
Weight	95lb (43kg)

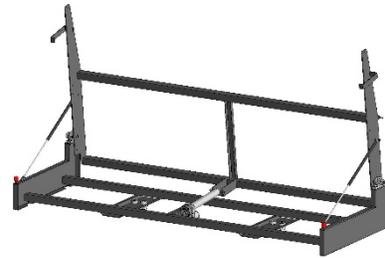
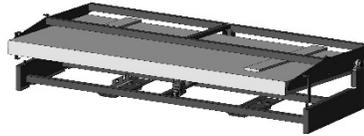
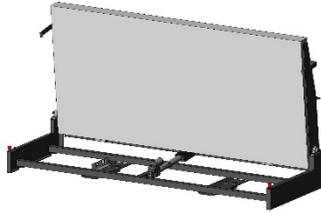
Upper Mount (1030 Series)



Description	The 1030 Series Upper Mount moves the sign from a horizontal (stow) position to a vertical (display) position, and back.
Application	Enclosed truck body, bulkhead, or headache rack.
Construction	Welded plate & rectangular tube mild steel with a matte black protective powder coat.
Vibration Dampening	A vibration dampening system is incorporated into the mount design to minimize harmful road vibration to the sign.
Stowed Mount Size	84" x 39" x 18" (214cm x 98cm x 46cm)
Upper Mount Weight	146lb (66kg)
Sign & Upper Mount Weight	264lb (112kg)
 Actuator	A 12 volt linear actuator rated 1,200lb dynamic and 3,000lb static load shall be used to stabilize and move the sign from horizontal (stow) position to vertical (display) position.
  Actuator Control Box	<p>Description: The Actuator Control Box switch which moves the sign to from a horizontal (stow) or vertical (display) position, and back.</p> <p>Features:</p> <ul style="list-style-type: none"> Three position non-momentary toggle switch: <ul style="list-style-type: none"> • Up-position raises the sign • Down-position lowers the sign • Middle-position stops the sign Auto-Stop Function: The Actuator Control Box allows the operator to initiate sign movement to its desired position. When the sign reaches the desired position, the Actuator Control Box will automatically stop the sign. Sign Position Indicator Lights: <ul style="list-style-type: none"> • Red Light – Sign position is in a vertical (display) position • Yellow Light – Sign is in transition to display or stow position • Green Light – Sign is in horizontal (stow) position, off after 10s Red Warning Light: Red LED light with 5ft cable connecting to the Actuator Control Box, for mounting onto the vehicles dash. This extra light is used as an additional warning light to inform the driver that the sign is in the display position, when lighted.
Bumpers	When in the horizontal (stow) position, the sign is resting on two adjustable polyurethane bumpers.
Deploy Speed	8s
Travel Speed	Sign deploying 35 MPH Sign in vertical (display) position 55 MPH Sign in horizontal (stow) position 75 MPH

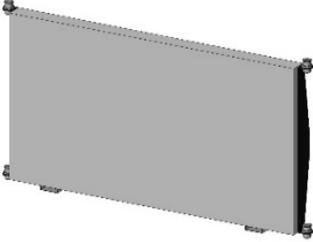
Exo-Frame (1030 Series)	
	
General Description	The Exo-Frame adds torsional rigidity while securing the sign's cabinet to a vehicle in a stationary vertical (display) position.
Application	Paint striping trucks, attenuator trucks, and attenuator trailers.
Construction	Formed and welded plate and rectangular tube mild steel with a matte black protective powder coat.
Vibration Dampening	To minimize harmful road vibration & shock to the sign a vibration dampening system is incorporated into the mount design.
Mount Size	81" x 45" x 6" (206cm x 113cm x 15cm)
Exo-Frame Weight	44lb (60kg)
Sign with Exo-Frame Weight	162lb (73kg)

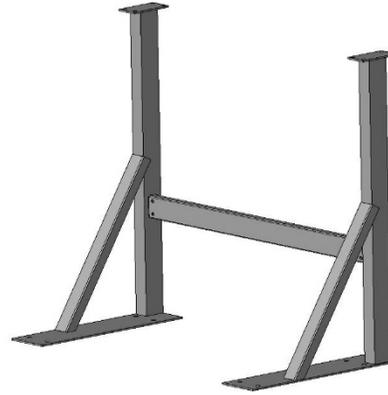
Upper Mount (1230 Series)



Description	The 1230 Series Upper Mount moves the sign from a horizontal (stow) position to a vertical (display) position, and back.
Application	Enclosed truck body, bulkhead, or headache rack.
Construction	Welded plate & rectangular tube mild steel with a matte black protective powder coat.
Vibration Dampening	A vibration dampening system is incorporated into the mount design to minimize harmful road vibration to the sign.
Stowed Mount Size	84" x 39" x 18" (214cm x 98cm x 46cm)
Upper Mount Weight	146lb (66.2kg)
Sign & Upper Mount Weight	311lb (141kg)
 Actuator	A 12 volt linear actuator rated 1,200lb dynamic and 3,000lb static load shall be used to stabilize and move the sign from horizontal (stow) position to vertical (display) position.
  Actuator Control Box	<p>Description: The Actuator Control Box switch which moves the sign to from a horizontal (stow) or vertical (display) position, and back.</p> <p>Features:</p> <ul style="list-style-type: none"> • Three position non-momentary toggle switch: <ul style="list-style-type: none"> • Up-position raises the sign • Down-position lowers the sign • Middle-position stops the sign <p>Auto-Stop Function: The Actuator Control Box allows the operator to initiate sign movement to its desired position. When the sign reaches the desired position, the Actuator Control Box will automatically stop the sign.</p> <p>Sign Position Indicator Lights:</p> <ul style="list-style-type: none"> • Red Light – Sign position is in a vertical (display) position • Yellow Light – Sign is in transition to display or stow position • Green Light – Sign is in horizontal (stow) position, off after 10s <p>Red Warning Light: Red LED light with 5ft cable connecting to the Actuator Control Box, for mounting onto the vehicles dash. This extra light is used as an additional warning light to inform the driver that the sign is in the display position, when lighted.</p>
Bumpers	When in the horizontal (stow) position, the sign is resting on two adjustable polyurethane bumpers.
Deploy Speed	10s
Travel Speed	Sign deploying 25 MPH Sign in vertical (display) position 45 MPH Sign in horizontal (stow) position 75 MPH



Exo-Frame (1230 Series)	
	
General Description	The Exo-Frame adds torsional rigidity while securing the sign's cabinet to a vehicle in a stationary vertical (display) position.
Application	Paint striping trucks, attenuator trucks, and attenuator trailers.
Construction	Formed and welded plate and rectangular tube mild steel with a matte black protective powder coat.
Vibration Dampening	To minimize harmful road vibration & shock to the sign a vibration dampening system is incorporated into the mount design.
Mount Size	102.25" x 52" x 7" (260cm x 132cm x 18cm)
Exo-Frame Weight	60lb (27.2kg)
Sign with Exo-Frame Weight	225lb (102kg)

Bed Lower Mount (1230 Series)

Description/Application	Designed to interface with the bed of a flatbed truck and with the 1230 Series Upper Mount.
Benefit	The Bed Mount can mount behind the truck's cab. This design allows the truck's bed to be fully utilized.
Construction	Welded plate & rectangular tube mild steel with a matte black protective powder coat.
Size	50" x 29" x 48" (127cm x 74cm x 122cm)
Weight	85lb (38.6kg)



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One Year

LiteSys® Incorporated warrants its LiteReader® sign products to be free from defects in materials and workmanship, under normal use, for a period of one year from the date product is received by the original user-purchaser.

LiteSys® Inc. obligation is limited to repairing or replacing, as LiteSys® Inc. may elect, any part or parts or such product which LiteSys® Inc. examination discloses to be defective in material and/or workmanship.

LiteSys® Inc. will provide warranty for any unit, which is delivered, transportation prepaid to LiteSys® Inc. factory for examination and such examination reveals a defect in material and/or workmanship.

This warranty does not extend to any unit, which has been subjected to misuse due to vandalism, common negligence, accident, or not operated in accordance with LiteSys® Inc. instructions or units which have been repaired or altered by anyone else other than LiteSys® Inc. Subject to pre-approval from an authorized employee of LiteSys® Inc. a qualified shop / service provider may perform some of these warranty repairs.

This limited warranty is expressly in lieu of all other warrants expressed or implied, including any implied warranty of merchantability, and no representative or person is authorized to assume for LiteSys® Inc. any other liability in connection with the sale of our products. In no event shall LiteSys® Inc. be liable for any loss of profits or any indirect or consequential damages arising out of any such defect in material or workmanship or in service.



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Two Year

LiteSys® Incorporated warrants its LiteReader® sign products to be free from defects in materials and workmanship, under normal use, for a period of two years from the date product is received by the original user-purchaser.

LiteSys® Inc. obligation is limited to repairing or replacing, as LiteSys® Inc. may elect, any part or parts or such product which LiteSys® Inc. examination discloses to be defective in material and/or workmanship.

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Three Year

LiteSys® Incorporated warrants its LiteReader® sign products to be free from defects in materials and workmanship, under normal use, for a period of three years from the date product is received by the original user-purchaser.

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