MSV20-XXXX

Scrolling Message Display

DESTINATION-BASED

Scrolling Massage Display

Versatile scrolling message displays any alphanumeric character within a 2 inch LED 16 digit screen. Various messages can be selected via binary inputs or through C.E.'s Micro Comm 3 wire network. The display is capable of 63 different messages (119 characters per message max). The display is capable of continuous scrolling or can be programmed to scroll in and stop then flash.

FEATURES:

- 63 messages
- Flashing
- Binary inputs
- Micro Comm inputs
- 10-150VAC/DC inputs
- Scroll in, scroll out
- Adjustable continuous scrolling rate

NOTE:

- If a special voltage is required, please consult factory.
- To display time, date, or temperature, must purchase as a system which includes MTIME-X and MRPOG module. A computer interface is optional.

C.E. Electronics, Inc. 2107 Industrial Drive Bryan, OH 43506 ph: 419.636.6705 www.ceelectronics.com

C.E. Electronics, Ltd. Marlow, Bucks, UK ph: +44 (0) 1628 487633 www.ceelectronics.co.uk

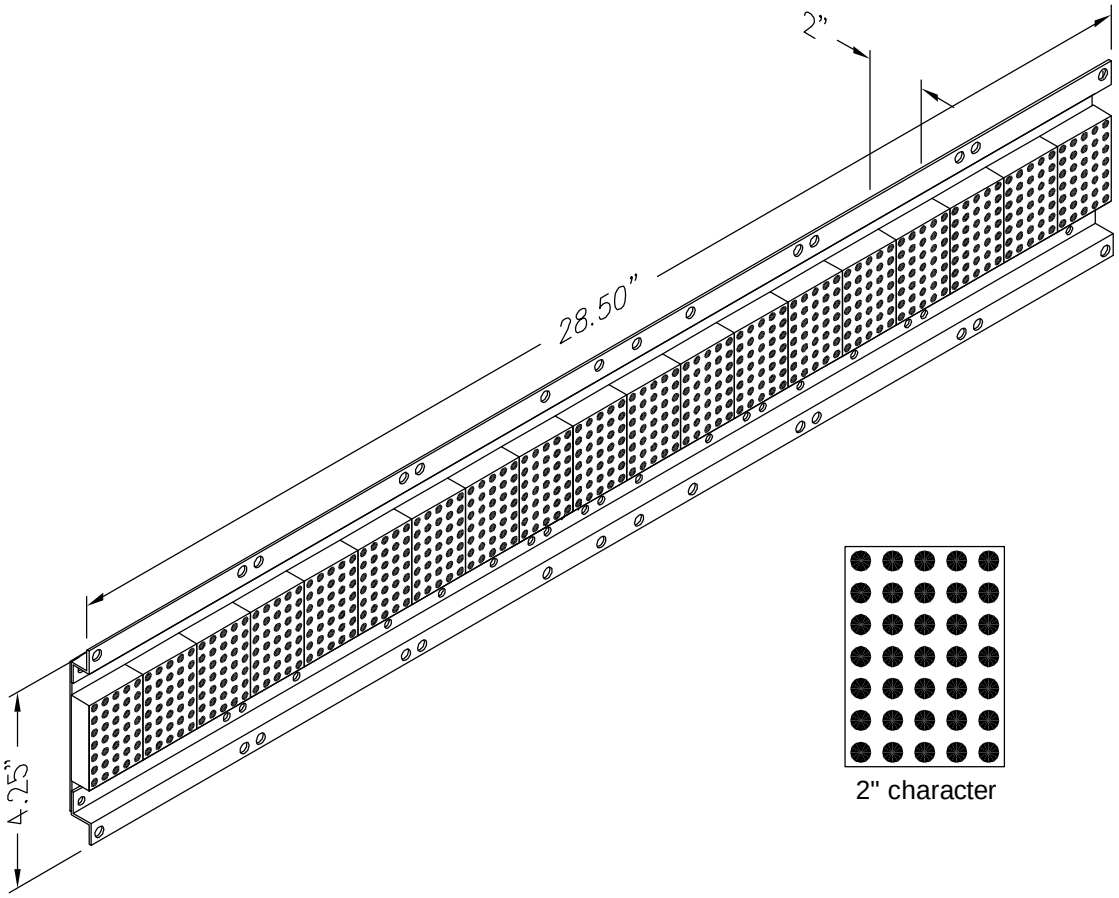
International Lift Equipment (ILE) Highams Park, London, UK ph: 0208 527 9669 www.ileweb.com

C.E. Electronics, Inc.
2107 Industrial Drive
Bryan, OH 43506
PH (419) 636-6705 FX (419) 636-2516
www.ceelectronics.com

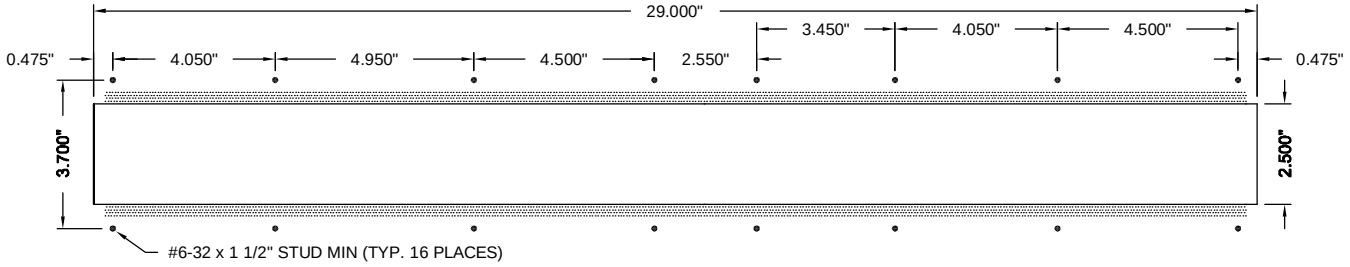
MSV20-XXXX

Ver. 4 Rel. 6/11/09

ACCESSORIES



2" character



SCROLLING MESSAGE DISPLAY

Versatile scrolling message displays any alphanumeric character within a 2 inch LED 16 digit screen. Various messages can be selected via binary inputs or through C.E.'s Micro Comm 3 wire network. The display is capable of 63 different messages (119 characters per message max). The display is capable of continuous scrolling or can be programmed to scroll in and stop then flash.

Features:

- 63 messages
- Flashing
- Binary inputs
- Micro Comm inputs
- 10-150VAC/DC inputs
- Scroll in, scroll out
- Adjustable continuous scrolling rate

TO ORDER:-SPECIFY MSV20 - X X X X

COLOR:
"R" = RED
"A" = AMBER
"G" = GREEN

SIGNAL VOLTAGE:
"A" = POSITIVE 6-20VAC/DC, 24 VAC
"B" = POSITIVE 24-48VDC, 48VAC
"C" = POSITIVE 120VAC
"D" = POSITIVE 125VDC
"E" = NEGATIVE 6-20VDC
"F" = NEGATIVE 24-48VDC
"G" = NEGATIVE 125VDC
"M" = MICRO COMM

SIGNAL FORMAT:
"1" = SINGLE LINE/FLOOR *
"2" = BINARY
"3" = UNITS & TENS *
"4" = GRAY CODE
"5" = INVERTED BINARY
"6" = SPECIAL
"M" = MICRO COMM

LENS:
"R" = RED
"G" = GRAY
"X" = NO LENS

* MAY NEED ADDITIONAL DECODER CARD

* REMOTE POWER SUPPLY

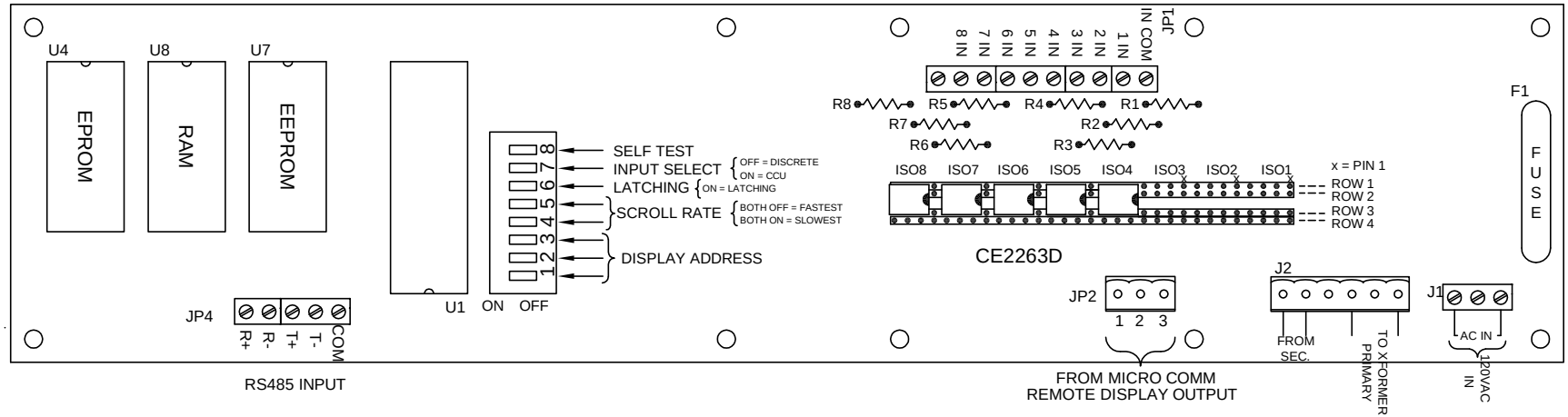
NOTE:

1. If a special voltage is required, please consult factory.
2. To display time, date, or temperature, must purchase as a system which includes MTIME-X and MPROG module. A computer interface is optional.

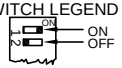
RENEWAL PARTS

Lens: 104-5649 RED
Lens: 104-6099 GRAY

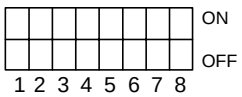
JOB# _____



DIPSWITCH LEGEND



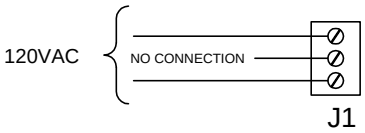
DEFAULT SETTINGS



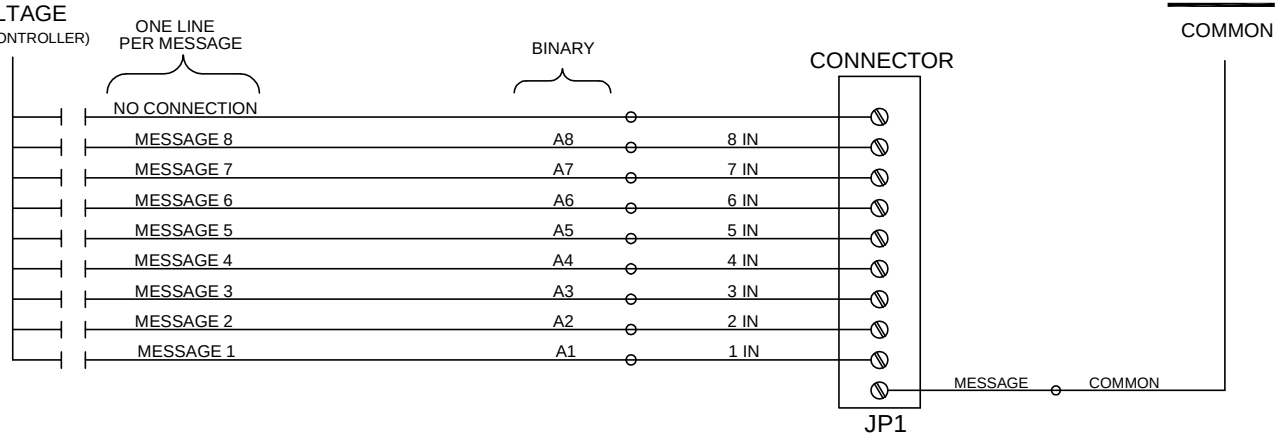
CODE VERSION _____

BOARD # _____

C.E. PART# _____



SIGNAL VOLTAGE
(FROM CONTROLLER)



NOTE:
FOR POSITIVE SIGNAL INPUT, INSTALL OPTO-COUPLERS IN ROW 1 & 3.
FOR NEGATIVE SIGNAL INPUT, INSTALL OPTO-COUPLERS IN ROW 2 & 4.

DATE DRAWN:	DRAWN BY:	REQUESTED BY:
09/23/99	K.L.S.	D.R.
BOARD NUMBER: 2263D	**DWG REV #:**	**APPROVED BY:**
PRODUCT DRIVER FOR MSV20/MSV30 - MPROG		

C.E. ELECTRONICS, INC.
614 East Edgerton Street
Bryan, Ohio 43506
(419) 636-5705

DWG. NO. MSVX0003

MSV20/30-XX SCROLLING MESSAGE DISPLAY WITH REMOTE PROGRAMMING OPTION

SYSTEM CONNECTIONS

J1:	**AC Input**	Connect 115VAC power to pins 1 and 3. No connection for pin 2.
J2:	**Transformer Connection**	Connect the primary and secondary wires of the transformer supplied with the display.
JP1:	**Discrete Inputs**	Optically coupled for eight wire-per-floor or five binary inputs (maximum of 31 messages).
JP2:	**Micro Comm Input**	Three-wire serial input from a Micro Comm driver/interface. Use of this input is required for the remote programming option.
JP4:	**RS-485 Input**	This input is not currently functional.

DIP SWITCH SETTINGS

DS1, DS2, & DS3 – Display Address: Required for the remote programming option. Allows up to eight displays to be connected to each Micro Comm data line and provides the ability to select a specific display to be programmed. The switches are set in binary format: 1,2,3 OFF = Address 1 and 1,2,3,ON = Address 8.

DS4 & DS5 – Scroll Rate: Changes the speed that a scrolling message moves across the display.

DS6 – Enable/Disable Latching: Used in discrete-wire mode only. OFF = Non-latching (the message goes blank when the signal is removed); ON = Latching (when the signal is removed, the last message remains on until the unit receives a new signal).

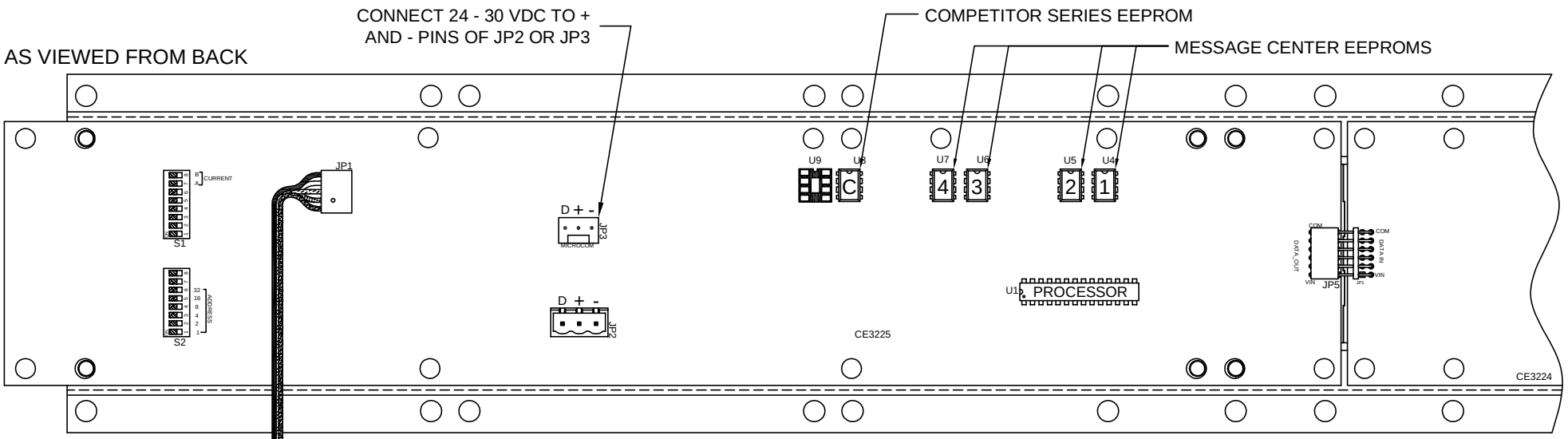
DS7 – Input Select: OFF = Discrete wire input (use JP1); ON = Micro Comm input (use JP2).

DS8 – Test Mode: ON = Cycle through all the messages in the EPROM. OFF = Normal operation

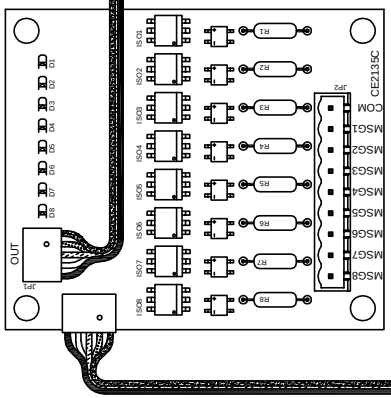
IF YOU HAVE ANY PROBLEMS OR QUESTIONS CONCERNING INSTALLATION, CALL C.E. ELECTRONICS TECH SUPPORT AT 419-636-6705.

DISCRETE INPUT MSV20 / MSV40

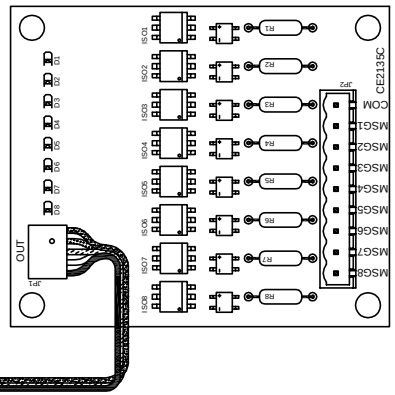
JOB# _____



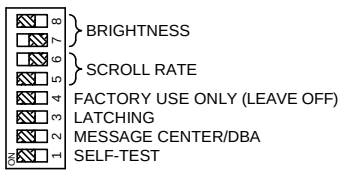
NOTE: CE3224 BOARD IS NOT USED FOR MSV40 DISPLAYS.



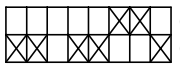
COM
MSG1
MSG2
MSG3
MSG4
MSG5
MSG6
MSG7
MSG8



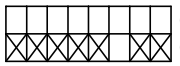
COM
MSG9
MSG10
MSG11
MSG12
MSG13
MSG14
MSG15
MSG16

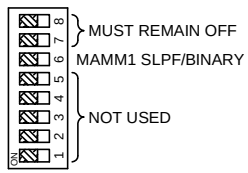


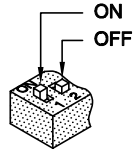
S1 DEFAULT SETTINGS



S2 DEFAULT SETTINGS







CODE VERSION _____

BOARD VERSION CE3225 _____

BOARD VERSION CE3224 _____

DATE DRAWN: 09/24/10	DRAWN BY: DAC	REQUESTED BY: DAC
BOARD NUMBER: 3225, 3224	LAST DATE REVISED: -	APPROVED BY:
PRODUCT: DISCRETE INPUT MSV20/MSV40 SCROLLING DISPLAY		

C.E. ELECTRONICS, INC.
2107 Industrial Drive
Bryan, Ohio 43506
(419) 636-6705

DWG. NO. MSV20_02 REV: -

CE3225 SCROLLING DISPLAY
with Discrete Inputs

DIP SWITCH FUNCTIONS

DIP SWITCH S1

DS1 – TEST MODE – Scrolls through the messages programmed into the EEPROMS.

DS2 – MESSAGE CENTER/DBA – Must be *OFF* for proper operation of the scrolling display.

DS3 – LATCHING – When DS3 is *OFF*, messages only display as long as a signal is present. When DS3 is *ON*, messages stay on the display until the next message signal is received.

DS4 – FACTORY USE ONLY – Must remain *OFF* for proper operation of the scrolling display.

DS5 & DS6 – SCROLL RATE – Determines how fast messages scroll across the display in four steps: Slow (both switches *OFF*) to Fast (both switches *ON*). Factory default is DS6 *ON*.

DS7 & DS8 – BRIGHTNESS – Determines the brightness level of the display in four steps: Dim (both switches *OFF*) to Bright (both switches *ON*). Factory default is DS7 *ON*.

DIP SWITCH S2

DS1-DS5 – Not used for discrete input units

DS6 – MAMM1 SLPF/BINARY – When DS6 is *OFF*, the MAMM1 Message Module inputs are read as one line per message. When DS6 is *ON*, the MAMM1 inputs are read in binary format.

DS7 & DS8 – Both *OFF* – Up to 16 “One Input per Message” or 63 binary-input messages are displayed. Message “0” can be used if the messages are not latched (S1, DS3 is turned off).