MH911-XXX | MV911-XXX
3.0" LED EXTENDED ARROW

Long life, solid state bi-color, white or blue arrow for lanterns. Accepts Micro Comm 3 wire. The bi-color arrow is green for up and red for down or blue up and down or white up and down.

TYPICAL APPLICATIONS:
> Hall and car lanterns
> P.I. combo w/ 180° viewing angle

FEATURES:
> Ultra-thin packaging
> Red down / green up solid blue or solid white
> Fast Micro Comm 3-wire hookup
> Conforms to ADAAG 4.10.4
> Jamb mountable (Vertical style only)

METAL:
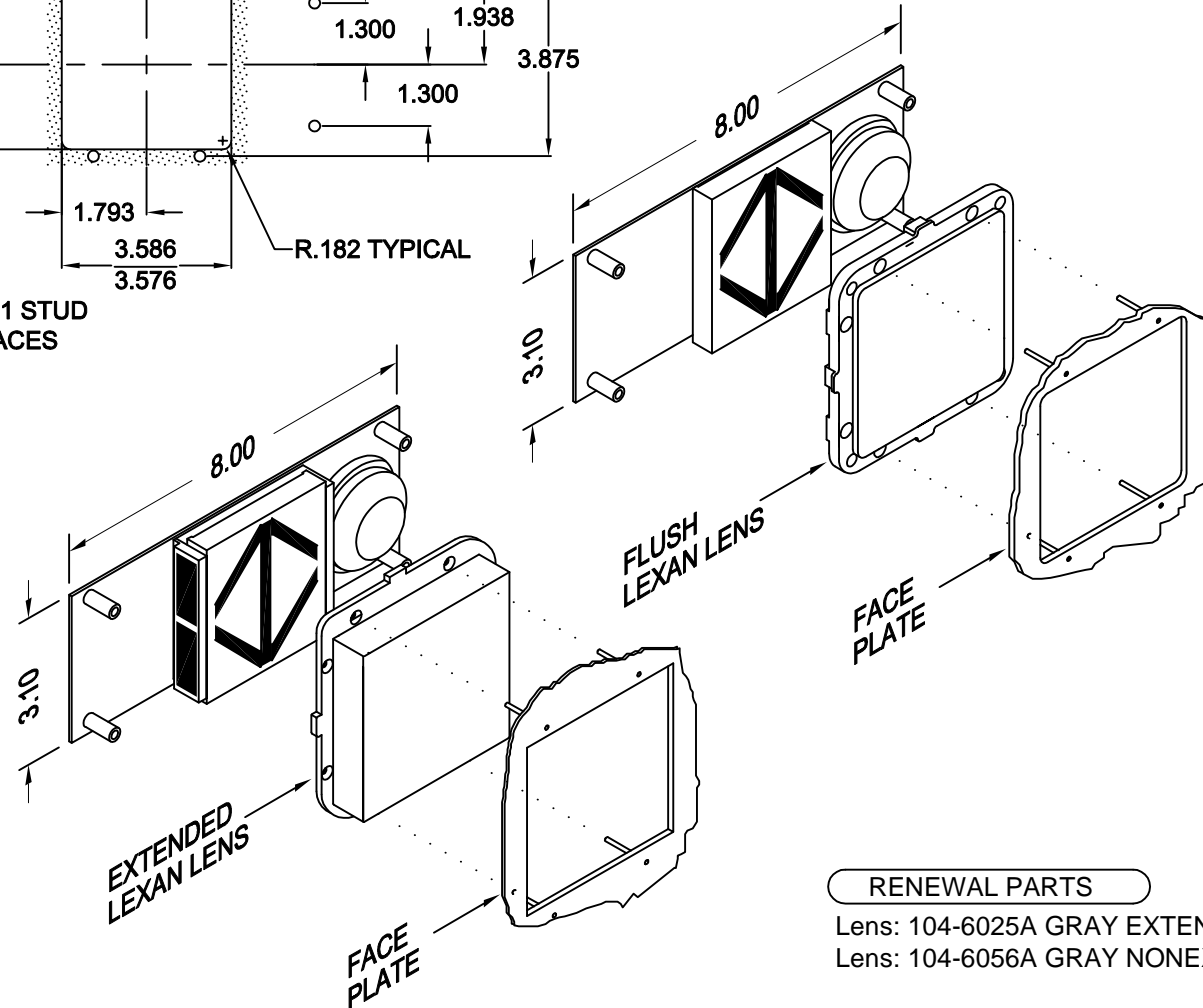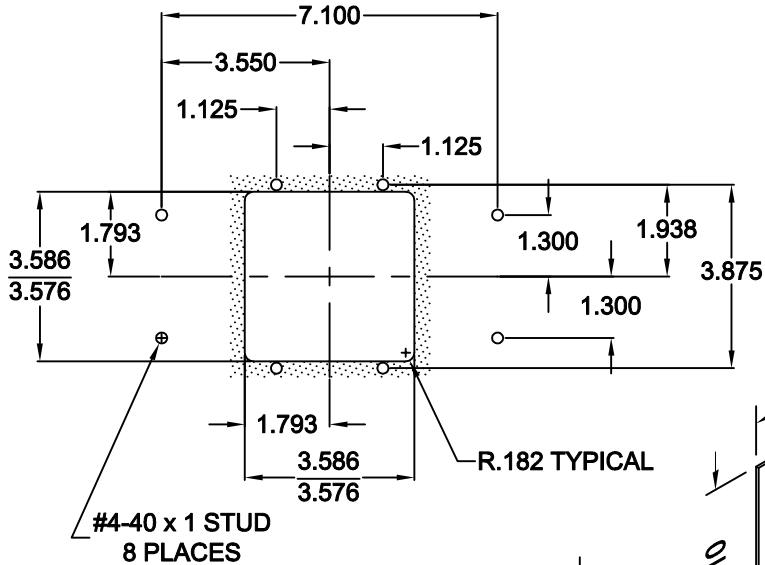> 70100039 (Vertical & Horizontal)

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

MH911-XXX
Ver. 8 Rel. 11/03/2016

MICRO COMM®
DISPLAYS

MH911-XXX

3.0 INCH LED EXTENDED ARROW

Long life, solid state bi-color, blue or white arrow for lanterns. Accepts MicroComm 3 wire. The bi-color arrow is green for up and red for down or solid blue or solid white.

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Features:
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- Red down/green up or solid blue, or solid white
- Fast MicroComm 3-wire hookup
- Conforms to ADAAG 4.10.4

PANEL PREPARATION

7.100
3.550
1.125
1.125
1.793
3.586
3.576
1.300
1.938
3.875
1.300
1.793
3.586
3.576
R.182 TYPICAL

#4-40 x 1 STUD
8 PLACES

8.00
3.10
FLUSH LEXAN LENS
FACE PLATE

8.00
3.10
EXTENDED LEXAN LENS
FACE PLATE

TO ORDER - SPECIFY MH911-XXX

E = EXTENDED
F = FLUSH

LENS:
G = GRAY
X = NONE

COLOR:
<BLANK> = BI-COLOR
"B" = BLUE
"W" = WHITE

RENEWAL PARTS

Lens: 104-6025A GRAY EXTENDED
Lens: 104-6056A GRAY NONEXTENDED

NOTE:

1. This is not a stand alone unit. Must be used in conjunction with a Micro Comm interface.
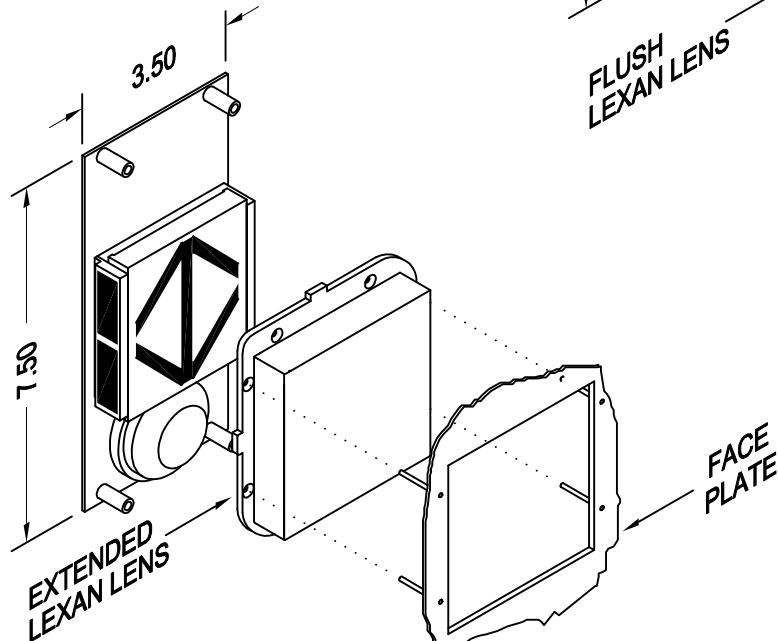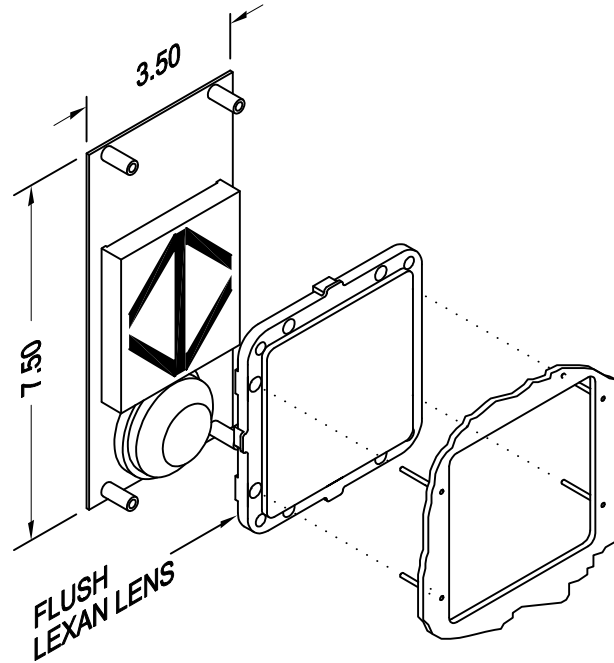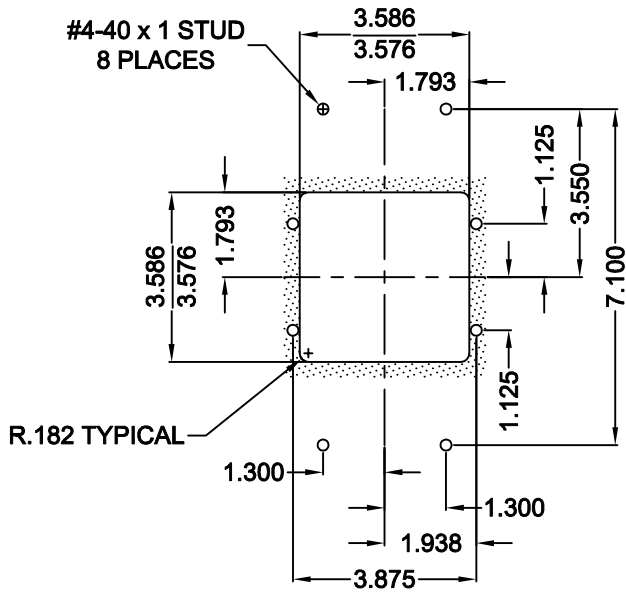
2. 1-3/8 INCH MINIMUM DEPTH OF UNIT

C.E. Electronics, Inc.
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MV911-XXX
Ver. 5 Rel. 10/29/2015

MICRO COMM®
DISPLAYS

PANEL PREPARATION

#4-40 x 1 STUD
8 PLACES

3.586
3.576
1.793

1.125

3.550

7.100

1.793

3.586
3.576

1.125

R.182 TYPICAL

1.300

1.300

1.938

3.875

3.50

7.50

FLUSH
LEXAN LENS

3.50

7.50

EXTENDED
LEXAN LENS

FACE
PLATE

MV911-XXX

3.0 INCH LED EXTENDED ARROW

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arrow for lanterns. Accepts MicroComm
3 wire. The bi-color arrow
is green for up and red for down
or blue up and down or white up and down.

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- Hall or car lanterns.
- P.I. combo w/180° Viewing angle

Features:
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- Red down/green up solid blue or solid white
- Fast MicroComm 3-wire hookup
- Conforms to ADAAG 4.10.4
- Jamb mountable (Vertical style only)

RENEWAL PARTS

Lens: 104-6025A EXT.
Lens: 104-6056A NON EXT.

NOTE:
1-3/8 INCH MINIMUM DEPTH OF UNIT

TO ORDER - SPECIFY MV911-XXX

E = EXTENDED
F = FLUSH

LENS:
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X = NONE

COLOR:
<BLANK> = BI-COLOR
"B" = BLUE
"W" = WHITE

70100039

COVER PLATE

12.000"

9.550

6.000

2.450

0.000"

GRAIN

1 1/4" STUD
(TYP. 4 PLS.)

A A

A A

0.000"
1.825
3.125
4.425
6.250"

1.375"

60°

#6-32 ALLEN HD
SET SCREWS

MOUNTING PLATE

1.375"

Ø0.250"
(TYP)

9.500
9.000

4.750

REF. 0.875" DIA
(1/2" KNOCKOUT)
(TYP. 3 PLS)

0.500
0.000

0.000
1.250
2.500

CUT-OUT & MTG. DETAIL

DETAIL

3.878" [98.51]

3.566" [90.58]

3.566" [90.58]

2.244" [56.99]

R0.182" [R4.62]

#6-32 x 1/2" STUD MIN (TYP. 4 PLS)
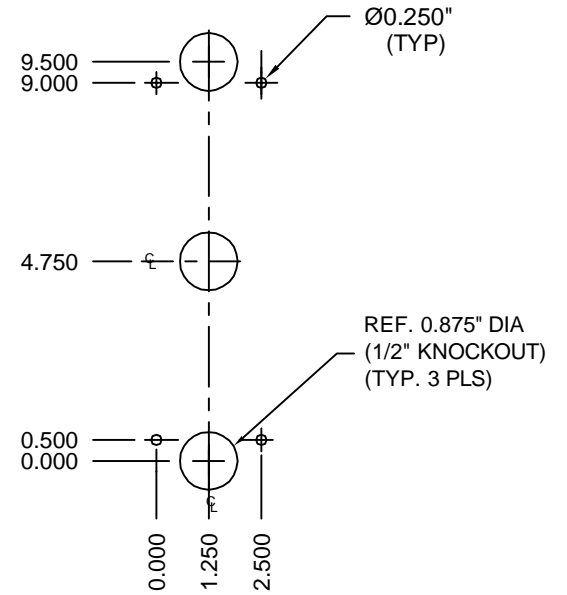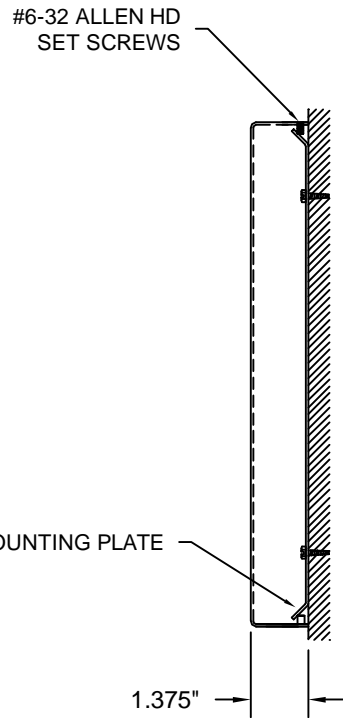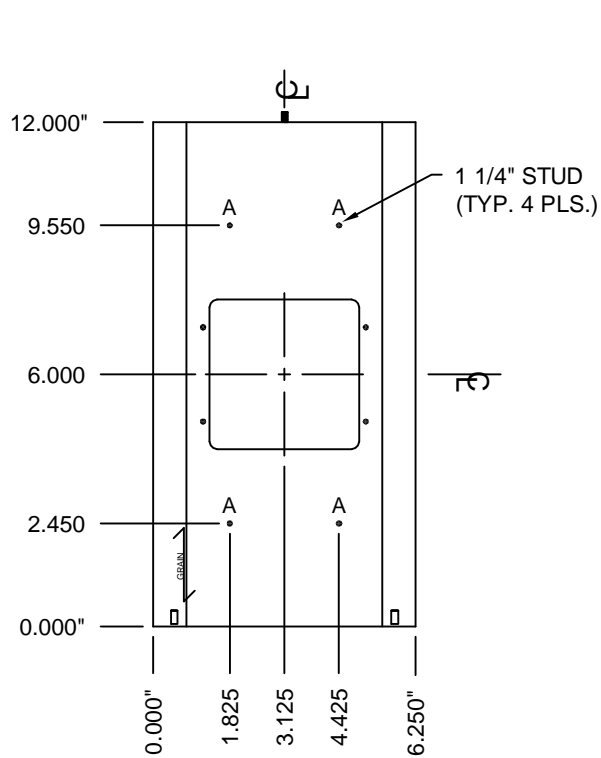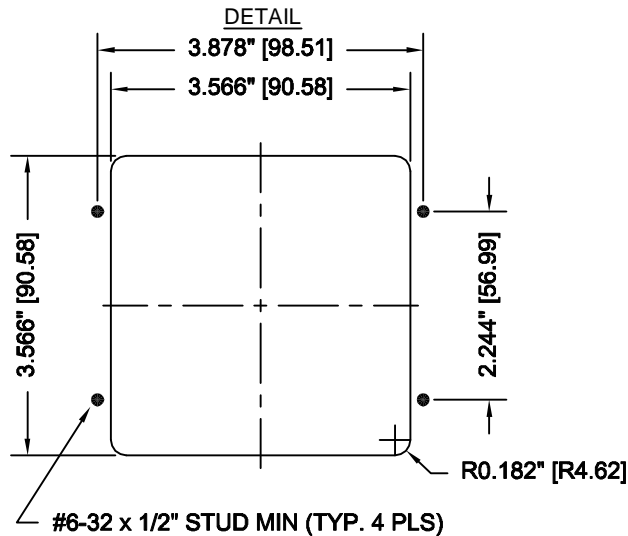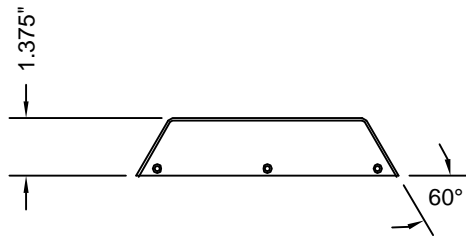
NOTES:

#4 STAINLESS STEEL, PAN TYPE COVER, 16 GAUGE .060

VERTICAL GRAIN

BACK PLATE INCLUDED

MH911

JOB# _____

OFF / ON

MESSAGE BLOCK
FIRE MAIN BLANK
1 2 4 8 16 32
FLOOR ADDRESS

ON / OFF

TOP

32 16 8 4 2 1 FM MB S1
U3 PROCESSOR
R8 FA
R9 64
R10
JP2 TEST REAR

CE3256

TOP

SPEAKER

GONG VOLUME
R29

JP1
DATA
VIN
COM
MICRO COMM IN

WHITE - DATA
RED - V+
BLACK - COM
} MICRO COMM INPUT

DEFAULT SETTINGS
ON
OFF
1 2 3 4 5 6 7 8

The Micro Comm driver must be programmed to send messages with the level required to activate the features listed below.

DIP switch 1 has no function on this unit.

To blank the lantern during a fire main (level three) message, turn on DIP switch 2 (FM).

To blank the lantern during a fire alternate (level two) message, remove resistor R8 (FA) from the board.

To use the unit as an in-car lantern using travel signals, turn off DIP switches 3-8 and verify resistor R9 (64) is installed.

To use the unit as an in-car lantern using arrival signals, turn on DIP switches 3-8 and remove resistor R9 (64) from the board.

This lantern can operate in hall mode. Use the chart above to set the DIP switch to the desired floor. The Micro Comm driver must be set up properly to send arrival information.

To use the unit as an arrival lantern above floor 63, remove resistor R9 (64) from the board and set the DIP switches as shown on the chart, adding 64 to the floor number shown. For example, to set the lantern for floor 75, remove resistor R9 and set the DIP switches for floor 11 (64+11=75).

To operate the lantern as a rear unit remove resistor R10 (R) from the board. NOTE: The Micro Comm driver must send the MC2000 data stream to use this feature. Call Tech Support at 419-636-6705 for information.

NOTE: MUST BE USED WITH A CLASS 2 POWER SUPPLY.

CHART TO SELECT FLOOR POSITION WITH DIP SWITCH

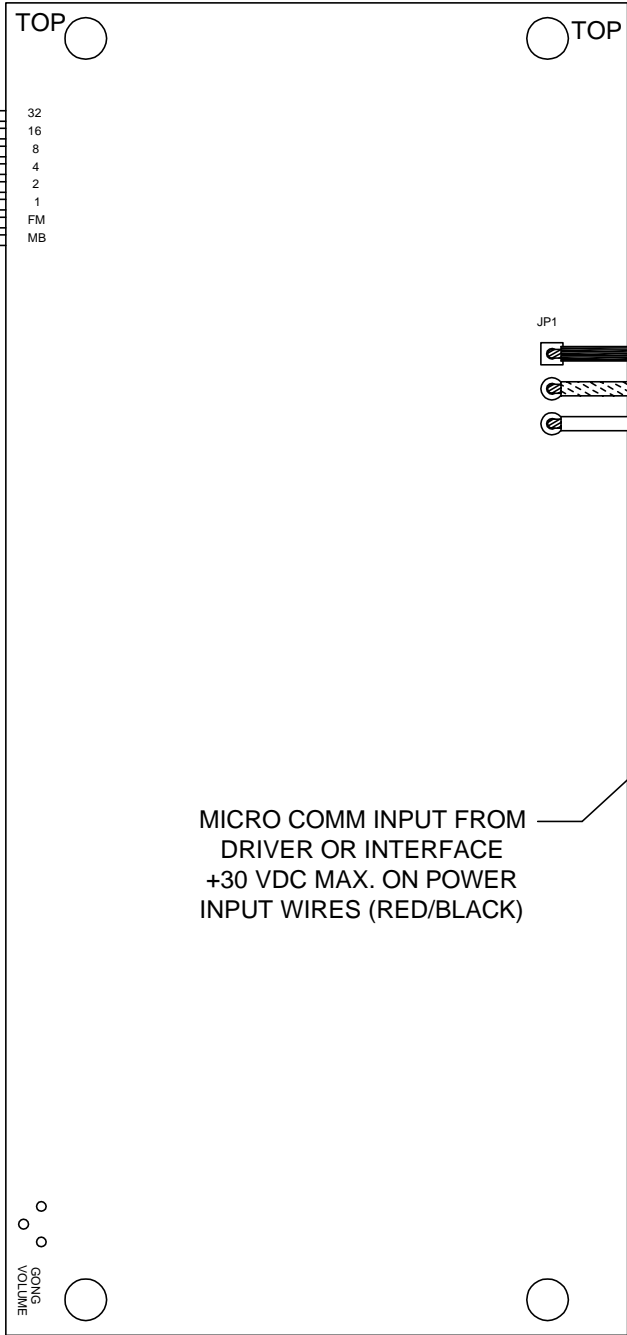| 32	16	8	4	2	1 --- VALUE		32	16	8	4	2	1
DS8	DS7	DS6	DS5	DS4	DS3	FLOOR	DS8	DS7	DS6	DS5	DS4	DS3	FLOOR
0	0	0	0	0	0	ALL CALL	1	0	0	0	0	0	FLOOR #32
0	0	0	0	0	1	FLOOR #1	1	0	0	0	0	1	FLOOR #33
0	0	0	0	1	0	FLOOR #2	1	0	0	0	1	0	FLOOR #34
0	0	0	0	1	1	FLOOR #3	1	0	0	0	1	1	FLOOR #35
0	0	0	1	0	0	FLOOR #4	1	0	0	1	0	0	FLOOR #36
0	0	0	1	0	1	FLOOR #5	1	0	0	1	0	1	FLOOR #37
0	0	0	1	1	0	FLOOR #6	1	0	0	1	1	0	FLOOR #38
0	0	0	1	1	1	FLOOR #7	1	0	0	1	1	1	FLOOR #39
0	0	1	0	0	0	FLOOR #8	1	0	1	0	0	0	FLOOR #40
0	0	1	0	0	1	FLOOR #9	1	0	1	0	0	1	FLOOR #41
0	0	1	0	1	0	FLOOR #10	1	0	1	0	1	0	FLOOR #42
0	0	1	0	1	1	FLOOR #11	1	0	1	0	1	1	FLOOR #43
0	0	1	1	0	0	FLOOR #12	1	0	1	1	0	0	FLOOR #44
0	0	1	1	0	1	FLOOR #13	1	0	1	1	0	1	FLOOR #45
0	0	1	1	1	0	FLOOR #14	1	0	1	1	1	0	FLOOR #46
0	0	1	1	1	1	FLOOR #15	1	0	1	1	1	1	FLOOR #47
0	1	0	0	0	0	FLOOR #16	1	1	0	0	0	0	FLOOR #48
0	1	0	0	0	1	FLOOR #17	1	1	0	0	0	1	FLOOR #49
0	1	0	0	1	0	FLOOR #18	1	1	0	0	1	0	FLOOR #50
0	1	0	0	1	1	FLOOR #19	1	1	0	0	1	1	FLOOR #51
0	1	0	1	0	0	FLOOR #20	1	1	0	1	0	0	FLOOR #52
0	1	0	1	0	1	FLOOR #21	1	1	0	1	0	1	FLOOR #53
0	1	0	1	1	0	FLOOR #22	1	1	0	1	1	0	FLOOR #54
0	1	0	1	1	1	FLOOR #23	1	1	0	1	1	1	FLOOR #55
0	1	1	0	0	0	FLOOR #24	1	1	1	0	0	0	FLOOR #56
0	1	1	0	0	1	FLOOR #25	1	1	1	0	0	1	FLOOR #57
0	1	1	0	1	0	FLOOR #26	1	1	1	0	1	0	FLOOR #58
0	1	1	0	1	1	FLOOR #27	1	1	1	0	1	1	FLOOR #59
0	1	1	1	0	0	FLOOR #28	1	1	1	1	0	0	FLOOR #60
0	1	1	1	0	1	FLOOR #29	1	1	1	1	0	1	FLOOR #61
0	1	1	1	1	0	FLOOR #30	1	1	1	1	1	0	FLOOR #62
0	1	1	1	1	1	FLOOR #31	1	1	1	1	1	1	FLOOR #63

CODE VERSION _____

BOARD VERSION CE3256 _____

MV911

JOB# _____

TOP ⃝   ⃝ TOP

```
32
16
8
4
2
1
FM
MB
```

JP1

WHITE - DATA - 3
RED - V+ - 2
BLACK - COM - 1

MICRO COMM INPUT FROM
DRIVER OR INTERFACE
+30 VDC MAX. ON POWER
INPUT WIRES (RED/BLACK)

GONG
VOLUME

TOP ⃝   ⃝ TOP

U3

PROCESSOR

```
32
16
8
4
2
1
FM
MB
```

JP2 TEST
R10 R9 R8
REAR 64 FA

SPEAKER

CE3255

R29
GONG
VOLUME

OFF
ON

DEFAULT SETTINGS

1	2	3	4	5	6	7	8

OFF
ON

1 2 3 4 5 6 7 8

ON 1 2 3 4 5 6 7 8
        1 2 4 8 16 32

MESSAGE BLOCK
FIRE MAIN BLANK

FLOOR
ADDRESS

JP2 TEST
R10 R9 R8
REAR 64 FA
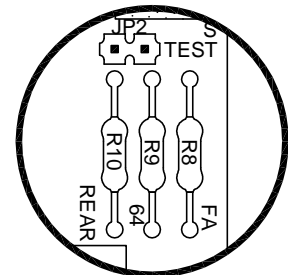
CODE VERSION _____

BOARD VERSION CE3255 ___

-- TO SELF-TEST THE UNIT, SHORT AND
RELEASE THE TWO PINS OF JP2.
--SHORT AND RELEASE THE TWO PINS
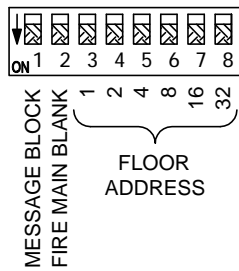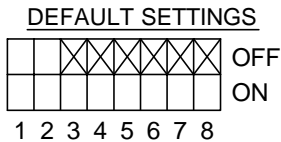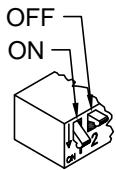OF JP2 AGAIN TO STOP SELF-TEST.

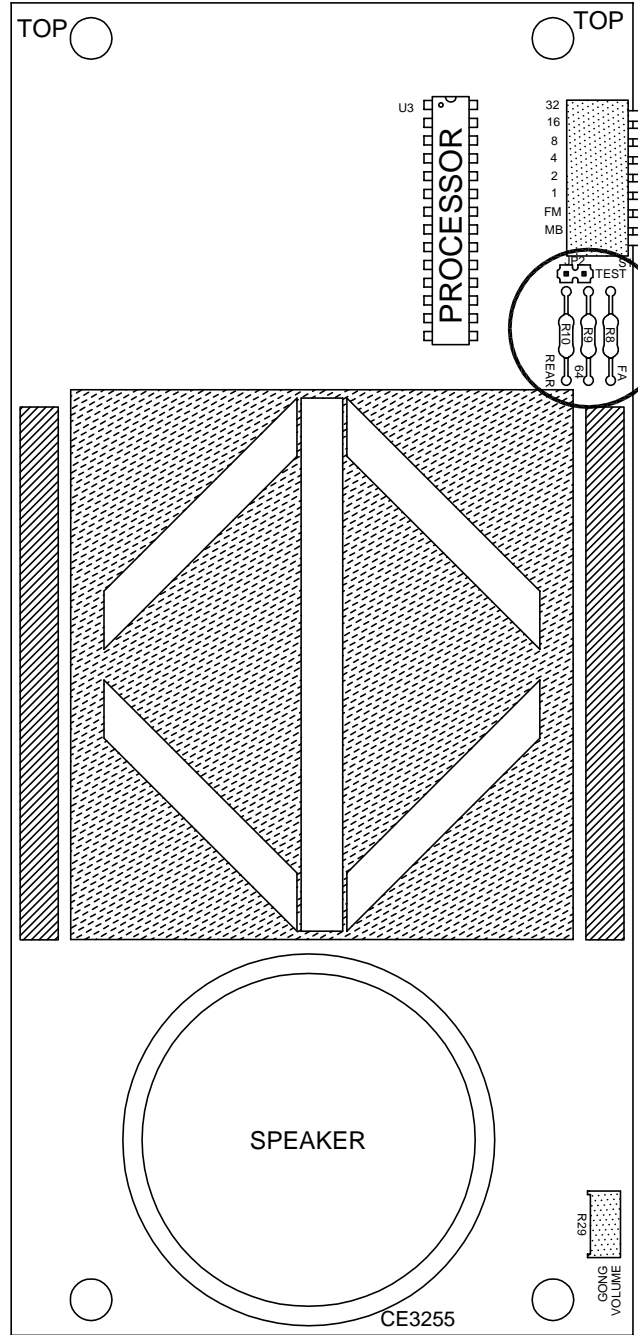| DATE DRAWN: 08/28/09	DRAWN BY: DAC	REQUESTED BY: DV	C.E. ELECTRONICS, INC. 2107 Industrial Drive Bryan, Ohio 43506 (419) 636-6705
BOARD NUMBER: 3255	LAST DATE REVISED: -	APPROVED BY:	
PRODUCT MV911 MICRO COMM LANTERN		DWG. NO. MV911_01	REV: -

AVAILABLE FUNCTIONS FOR MICRO COMM 2000 DISPLAYS
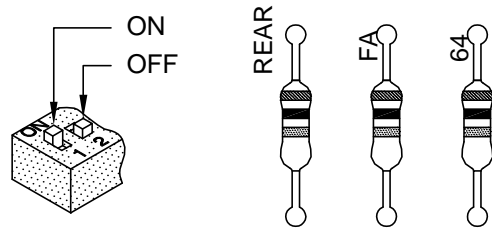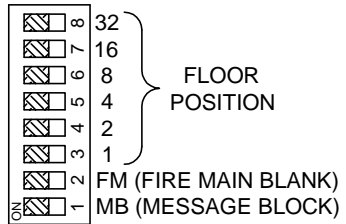
FLOOR POSITION: 32, 16, 8, 4, 2, 1 (switches 8–3)
FM (FIRE MAIN BLANK) — switch 2
MB (MESSAGE BLOCK) — switch 1
ON / OFF

REAR   FA   64

The Micro Comm driver must be programmed to send messages with the level required to activate the features listed below. Level 0 messages will always be displayed, regardless of DIP switch or resistor settings.

For message blocking, turn on DIP switch 1 (MB). Level 1 messages will not display.

To blank the display during a fire main (level three) message, turn on DIP switch 2 (FM).

To blank the display during a fire alternate (level two) message, remove the **FA** resistor from the board.

To operate the display using travel signals, the **64** resistor must be installed and DIP switches 3-8 must be set to OFF.

To operate the display as a riding lantern using in-car arrival signals, remove the **64** resistor and set DIP switches 3-8 to ON.

Most Micro Comm 2000 displays can operate as hall (arrival) lanterns. Use the chart at right to set the DIP switches to the desired floor. For floors above floor 63, remove the **64** resistor from the board, subtract 64 from the desired floor number, and use the chart to set the DIP switches for the resulting floor number. For example, to set the display for floor 75, remove the **64** resistor and set the DIP switches for floor 11 (75-64=11). The Micro Comm driver must be configured to send arrival information.

To operate the display as a rear unit remove the **R** or **REAR** resistor from the board. NOTE: The Micro Comm driver must be sending the MC2000 data stream to use this feature. Call Tech Support at 419-636-6705 for more information.

NOTE: MUST BE USED WITH A CLASS 2 POWER SUPPLY

ALL MICRO COMM DISPLAYS HAVE A MAXIMUM POWER INPUT RATING OF +30VDC. USE OF THE POWER SUPPLIED BY THE MICRO COMM DRIVER OR INTERFACE IS HIGHLY RECOMMENDED.

DIP SWITCH SETTINGS FOR FLOOR POSITION

SWITCH VALUE →	1	2	4	8	16	32	SWITCH VALUE →	1	2	4	8	16	32
FLOOR	DS3	DS4	DS5	DS6	DS7	DS8	FLOOR	DS3	DS4	DS5	DS6	DS7	DS8
TRAVEL (0)	OFF	OFF	OFF	OFF	OFF	OFF	FLOOR 32	OFF	OFF	OFF	OFF	OFF	ON
FLOOR 1	ON	OFF	OFF	OFF	OFF	OFF	FLOOR 33	ON	OFF	OFF	OFF	OFF	ON
FLOOR 2	OFF	ON	OFF	OFF	OFF	OFF	FLOOR 34	OFF	ON	OFF	OFF	OFF	ON
FLOOR 3	ON	ON	OFF	OFF	OFF	OFF	FLOOR 35	ON	ON	OFF	OFF	OFF	ON
FLOOR 4	OFF	OFF	ON	OFF	OFF	OFF	FLOOR 36	OFF	OFF	ON	OFF	OFF	ON
FLOOR 5	ON	OFF	ON	OFF	OFF	OFF	FLOOR 37	ON	OFF	ON	OFF	OFF	ON
FLOOR 6	OFF	ON	ON	OFF	OFF	OFF	FLOOR 38	OFF	ON	ON	OFF	OFF	ON
FLOOR 7	ON	ON	ON	OFF	OFF	OFF	FLOOR 39	ON	ON	ON	OFF	OFF	ON
FLOOR 8	OFF	OFF	OFF	ON	OFF	OFF	FLOOR 40	OFF	OFF	OFF	ON	OFF	ON
FLOOR 9	ON	OFF	OFF	ON	OFF	OFF	FLOOR 41	ON	OFF	OFF	ON	OFF	ON
FLOOR 10	OFF	ON	OFF	ON	OFF	OFF	FLOOR 42	OFF	ON	OFF	ON	OFF	ON
FLOOR 11	ON	ON	OFF	ON	OFF	OFF	FLOOR 43	ON	ON	OFF	ON	OFF	ON
FLOOR 12	OFF	OFF	ON	ON	OFF	OFF	FLOOR 44	OFF	OFF	ON	ON	OFF	ON
FLOOR 13	ON	OFF	ON	ON	OFF	OFF	FLOOR 45	ON	OFF	ON	ON	OFF	ON
FLOOR 14	OFF	ON	ON	ON	OFF	OFF	FLOOR 46	OFF	ON	ON	ON	OFF	ON
FLOOR 15	ON	ON	ON	ON	OFF	OFF	FLOOR 47	ON	ON	ON	ON	OFF	ON
FLOOR 16	OFF	OFF	OFF	OFF	ON	OFF	FLOOR 48	OFF	OFF	OFF	OFF	ON	ON
FLOOR 17	ON	OFF	OFF	OFF	ON	OFF	FLOOR 49	ON	OFF	OFF	OFF	ON	ON
FLOOR 18	OFF	ON	OFF	OFF	ON	OFF	FLOOR 50	OFF	ON	OFF	OFF	ON	ON
FLOOR 19	ON	ON	OFF	OFF	ON	OFF	FLOOR 51	ON	ON	OFF	OFF	ON	ON
FLOOR 20	OFF	OFF	ON	OFF	ON	OFF	FLOOR 52	OFF	OFF	ON	OFF	ON	ON
FLOOR 21	ON	OFF	ON	OFF	ON	OFF	FLOOR 53	ON	OFF	ON	OFF	ON	ON
FLOOR 22	OFF	ON	ON	OFF	ON	OFF	FLOOR 54	OFF	ON	ON	OFF	ON	ON
FLOOR 23	ON	ON	ON	OFF	ON	OFF	FLOOR 55	ON	ON	ON	OFF	ON	ON
FLOOR 24	OFF	OFF	OFF	ON	ON	OFF	FLOOR 56	OFF	OFF	OFF	ON	ON	ON
FLOOR 25	ON	OFF	OFF	ON	ON	OFF	FLOOR 57	ON	OFF	OFF	ON	ON	ON
FLOOR 26	OFF	ON	OFF	ON	ON	OFF	FLOOR 58	OFF	ON	OFF	ON	ON	ON
FLOOR 27	ON	ON	OFF	ON	ON	OFF	FLOOR 59	ON	ON	OFF	ON	ON	ON
FLOOR 28	OFF	OFF	ON	ON	ON	OFF	FLOOR 60	OFF	OFF	ON	ON	ON	ON
FLOOR 29	ON	OFF	ON	ON	ON	OFF	FLOOR 61	ON	OFF	ON	ON	ON	ON
FLOOR 30	OFF	ON	ON	ON	ON	OFF	FLOOR 62	OFF	ON	ON	ON	ON	ON
FLOOR 31	ON	ON	ON	ON	ON	OFF	FLOOR 63	ON	ON	ON	ON	ON	ON

DATE DRAWN: 02/05/09	DRAWN BY: DAC	REQUESTED BY: JK	C.E. ELECTRONICS, INC.
BOARD NUMBER: N/A	LAST DATE REVISED: 08/28/09	APPROVED BY:	2107 Industrial Drive, Bryan, Ohio 43506 (419) 636-6705
PRODUCT: MICRO COMM 2000 DISPLAY DIP SWITCH FUNCTIONS		DWG. NO.: MC2K PI FUNCTIONS	REV: A