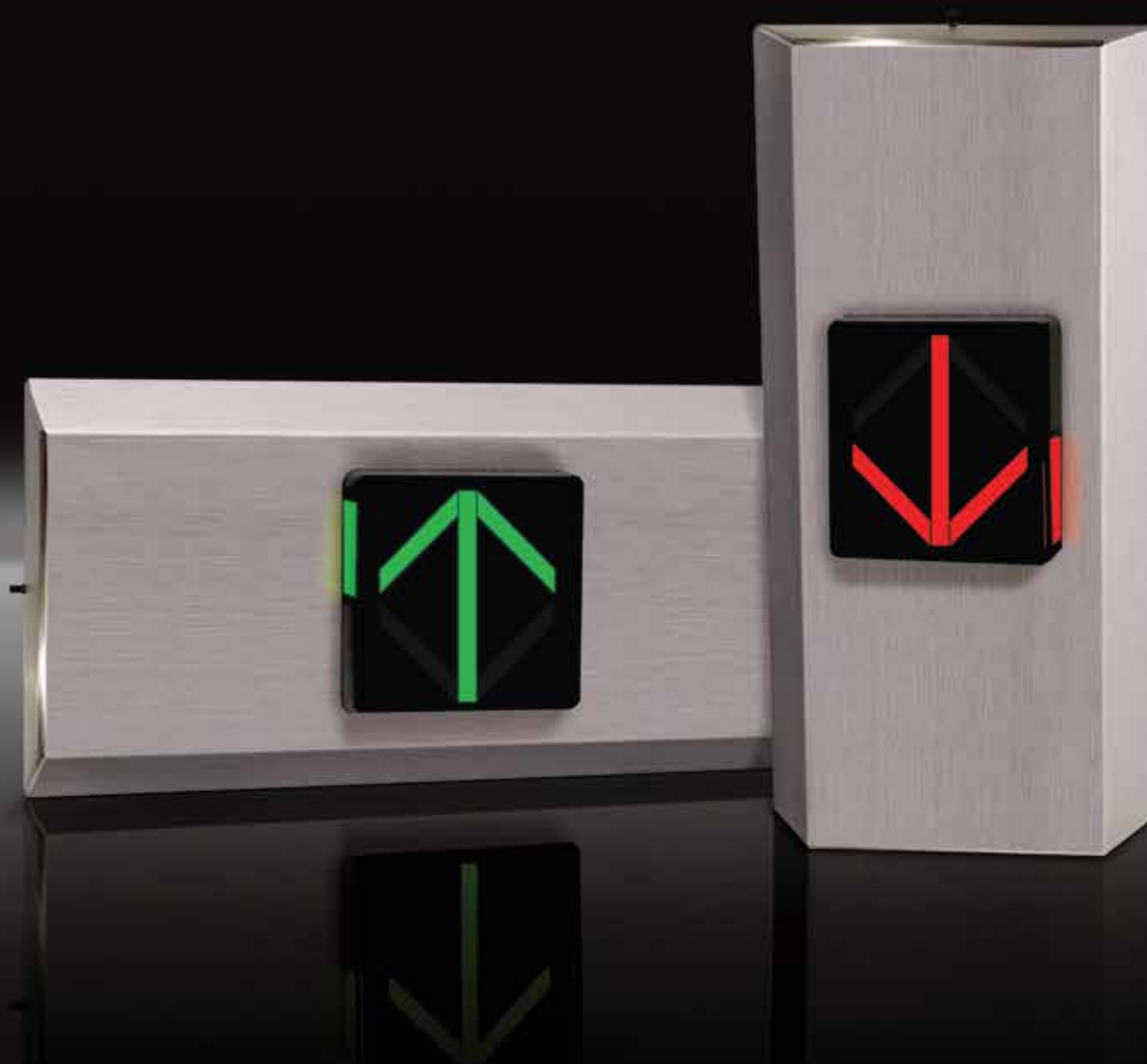


> MH911-XXX | MV911-XXX

3.0" LED EXTENDED ARROW



MICRO COMM

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
- > Pl. 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)

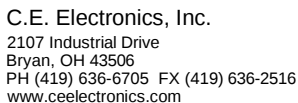
METAL:

- > 70100039 (Vertical & Horizontal)



C.E. Electronics, Inc. (US) 2107 Industrial Drive, Bryan, Ohio 43506 p: 419.636.6705 www.cееlectronics.com

C.E. Electronics, Ltd. (UK) P.O. Box 1679 Marlow, Bucks SL7 3ZG, UK p: +44 (0) 1628 487633 www.cееlectronics.co.uk



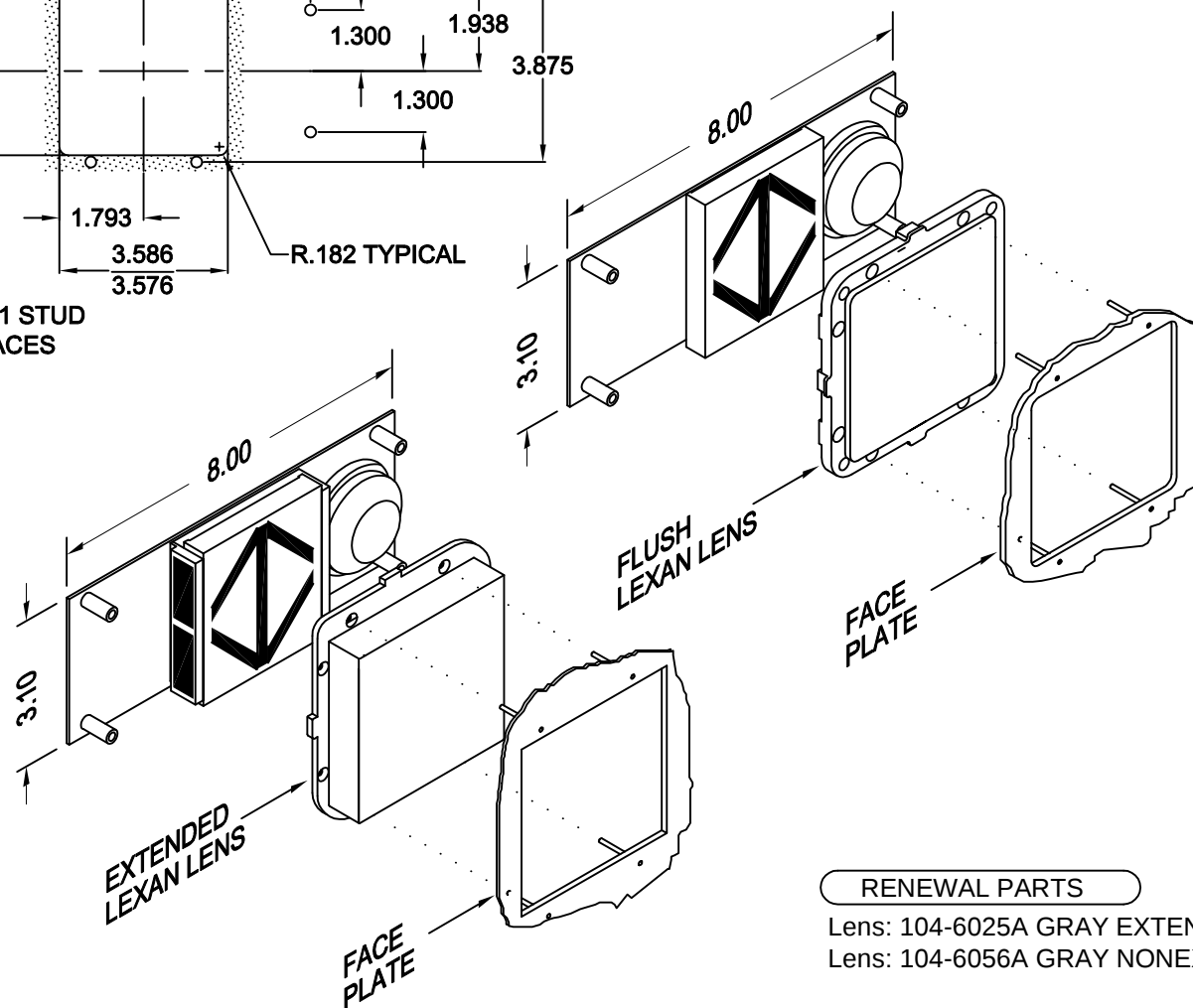
Ver. 8 Rel. 11/03/2016

MICRO COMM[®]
DISPLAYS

Structural drawing of a square column section with dimensions and reinforcement details. The drawing shows a square column with a central core and an outer shell. The overall width and height are 7.100. The central core has a width and height of 3.550. The outer shell has a thickness of 1.125. The column is reinforced with 8 #4-40 x 1 STUD bars, 4 on each side. The reinforcement is placed at a distance of 1.793 from the centerline. The column is shown with a cross-section of 3.586 by 3.576. The drawing also shows a detail of the reinforcement bars with a radius of R.182 TYPICAL. The drawing is labeled with dimensions and reinforcement details.

Dimensions and Reinforcement Details:

- Overall Width: 7.100
- Overall Height: 7.100
- Central Core Width: 3.550
- Central Core Height: 3.550
- Outer Shell Thickness: 1.125
- Reinforcement Bar Size: #4-40 x 1 STUD
- Reinforcement Bar Spacing: 1.793
- Reinforcement Bar Count: 8 PLACES
- Reinforcement Bar Radius: R.182 TYPICAL
- Column Section Dimensions: 3.586 by 3.576



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.

Typical applications:

- Hall or car lanterns.

Features:

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

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



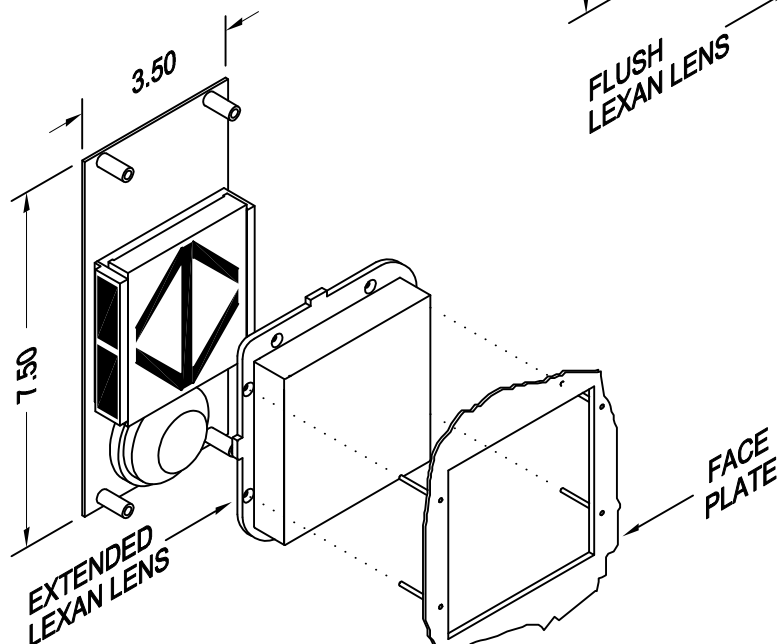
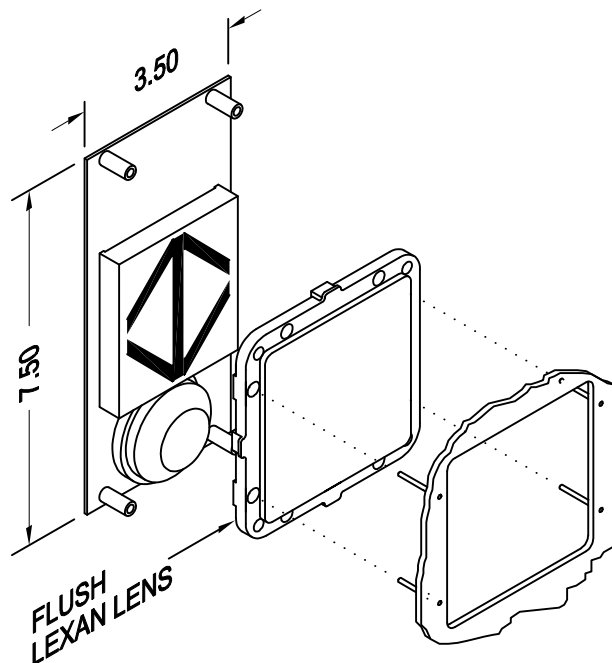
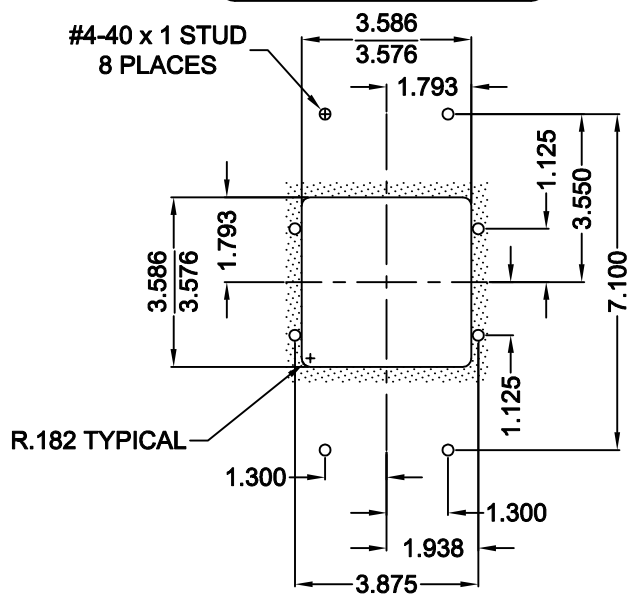
C.E. Electronics, Inc.
2107 Industrial Drive
Bryan, OH 43506
PH (419) 636-6705 FX (419) 636-2516
www.ccelectronics.com

MV911-XXX

Ver. 5 Rel. 10/29/2015

MICRO COMM®
DISPLAYS

PANEL PREPARATION



MV911-XXX

3.0 INCH LED EXTENDED ARROW

Long life, solid state bi-color, white or blue 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.

Typical applications:

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

Features:

- Ultra-thin packaging
- 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)

TO ORDER - SPECIFY MV911-XXX

E = EXTENDED
F = FLUSH

LENS:
G = GRAY
X = NONE

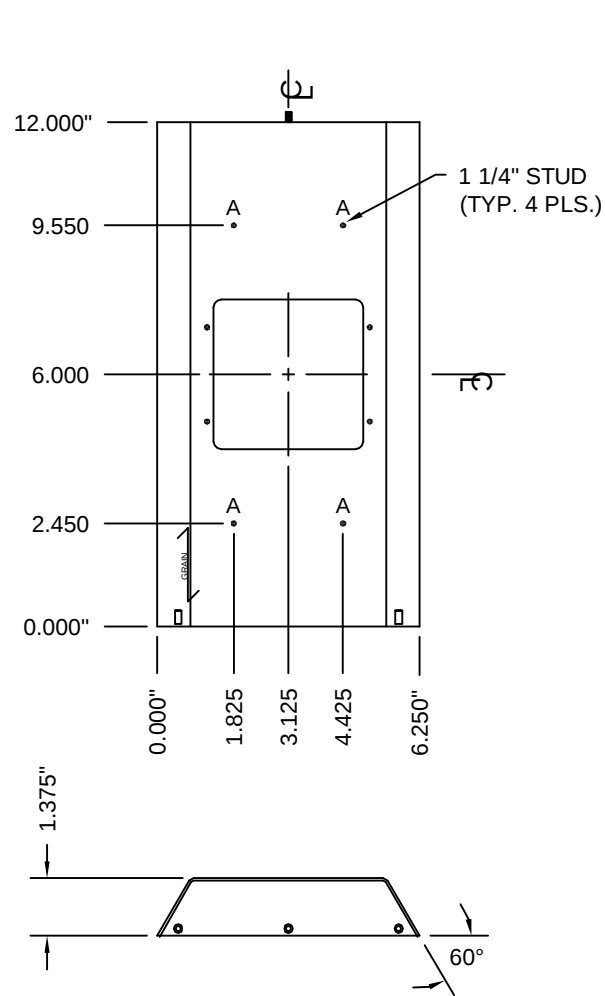
COLOR:
<BLANK> = BI-COLOR
"B" = BLUE
"W" = WHITE

RENEWAL PARTS

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

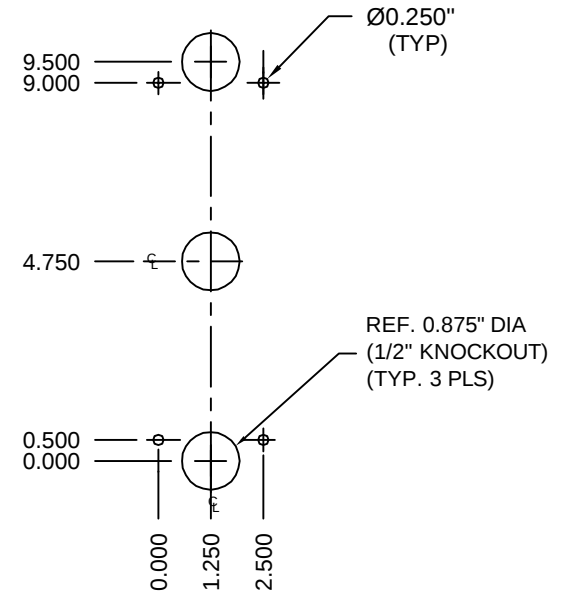
NOTE:
1-3/8 INCH MINIMUM DEPTH OF UNIT

COVER PLATE

#6-32 ALLEN HD
SET SCREWS

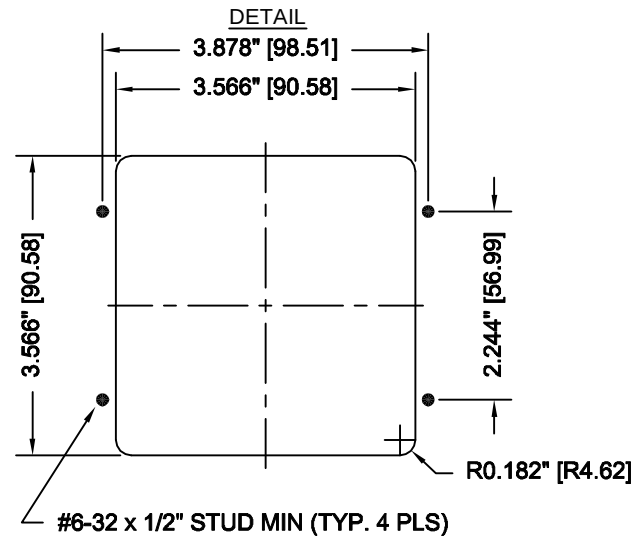
MOUNTING PLATE

1.375"

CUT-OUT & MTG. DETAIL

NOTES:

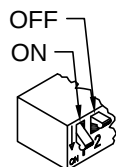
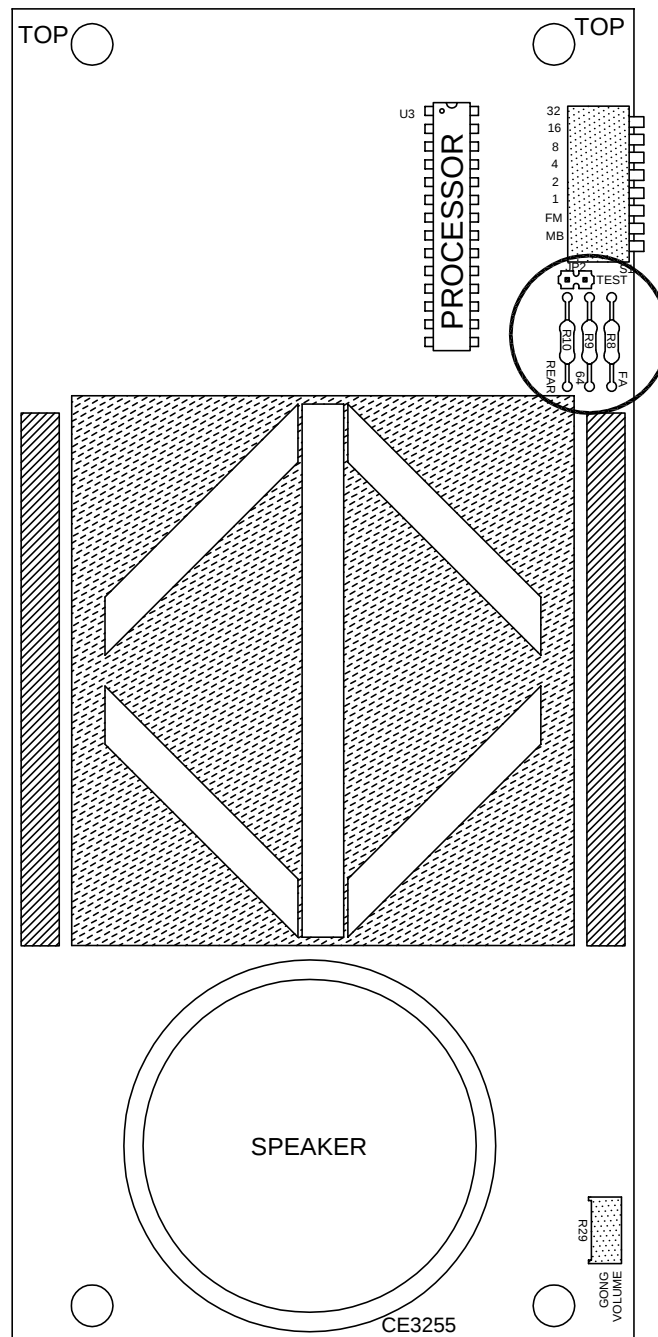
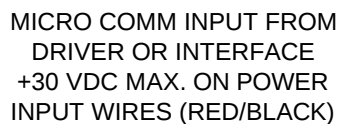
#4 STAINLESS STEEL, PAN TYPE COVER, 16 GAUGE .060
VERTICAL GRAIN
BACK PLATE INCLUDED



LENS NUMBER	BOARD # & REV.
APPROVED BY:	
Signature: _____	
Date: _____	
Company: _____	

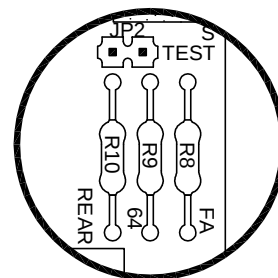
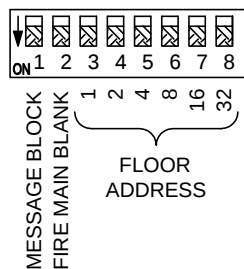
DATE DRAWN: 10/25/06	LAST DATE REVISED	SCALE	PART #
DRAWN BY: D.W.S.	TOLERANCE UNLESS OTHERWISE SPECIFIED: +0.015, -0.015		C.E. ELECTRONICS, INC. 2107 Industrial Drive Bryan, Ohio 43506 (419) 636-6705
REQUESTED BY: C.S.	TOLERANCE FOR CUTOUT (WINDOW): +0.020, -0.000		
TITLE: OTIS SPECTRA SERIES SURFACE MOUNT METAL			DWG. NO. 70100039 REV.

JOB#



DEFAULT SETTINGS

		X	X	X	X	X	X	OFF
								ON
1	2	3	4	5	6	7	8	



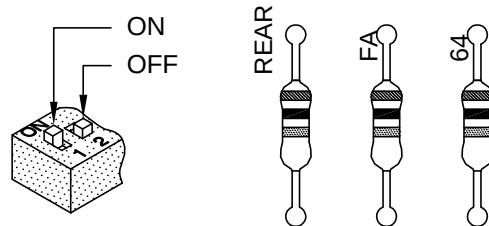
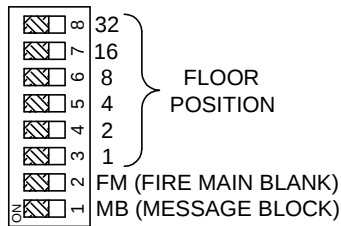
CODE VERSION

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 MOV911 MICRO COMM LANTERN			
DWG. NO. MOV911_01			REV:

AVAILABLE FUNCTIONS FOR MICRO COMM 2000 DISPLAYS



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

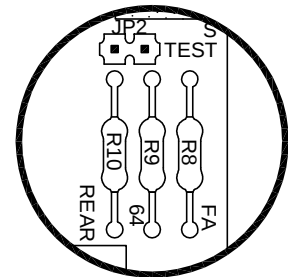
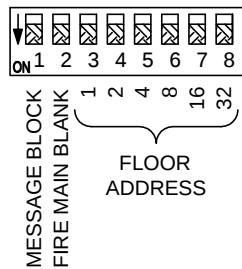
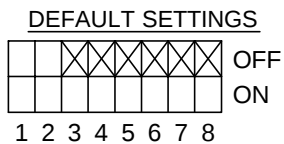
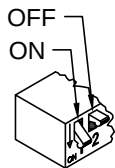
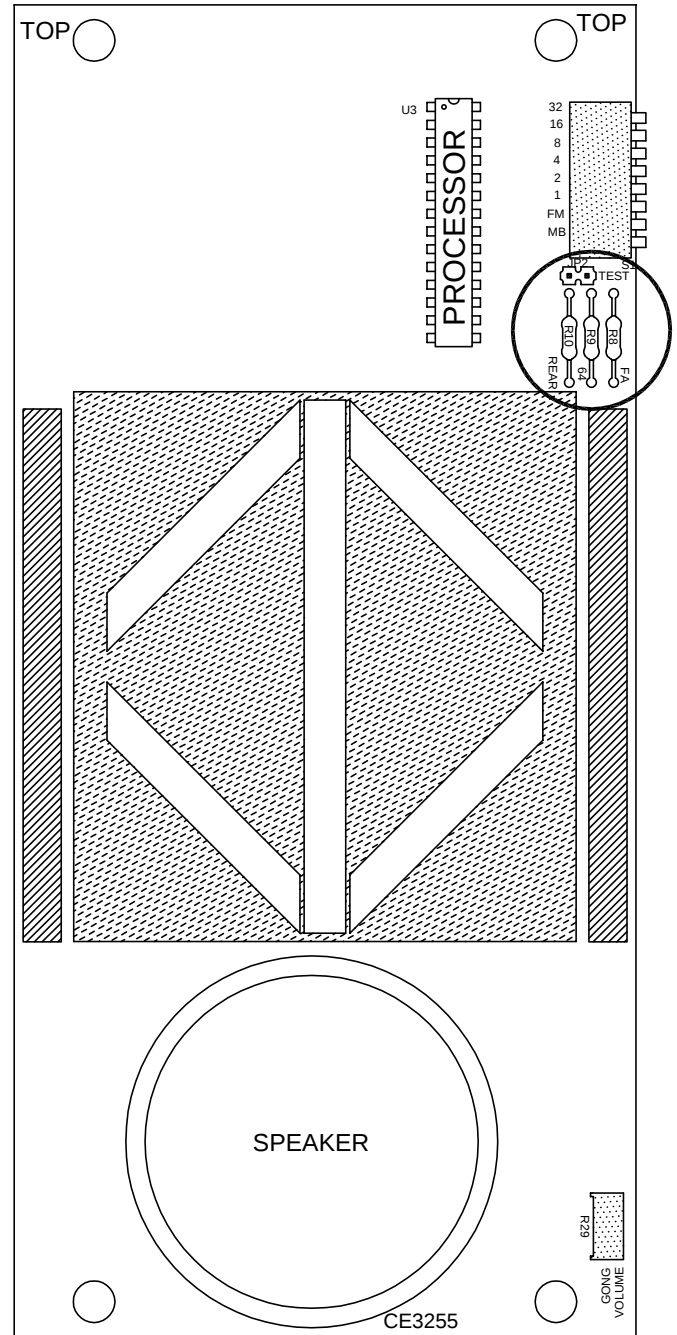
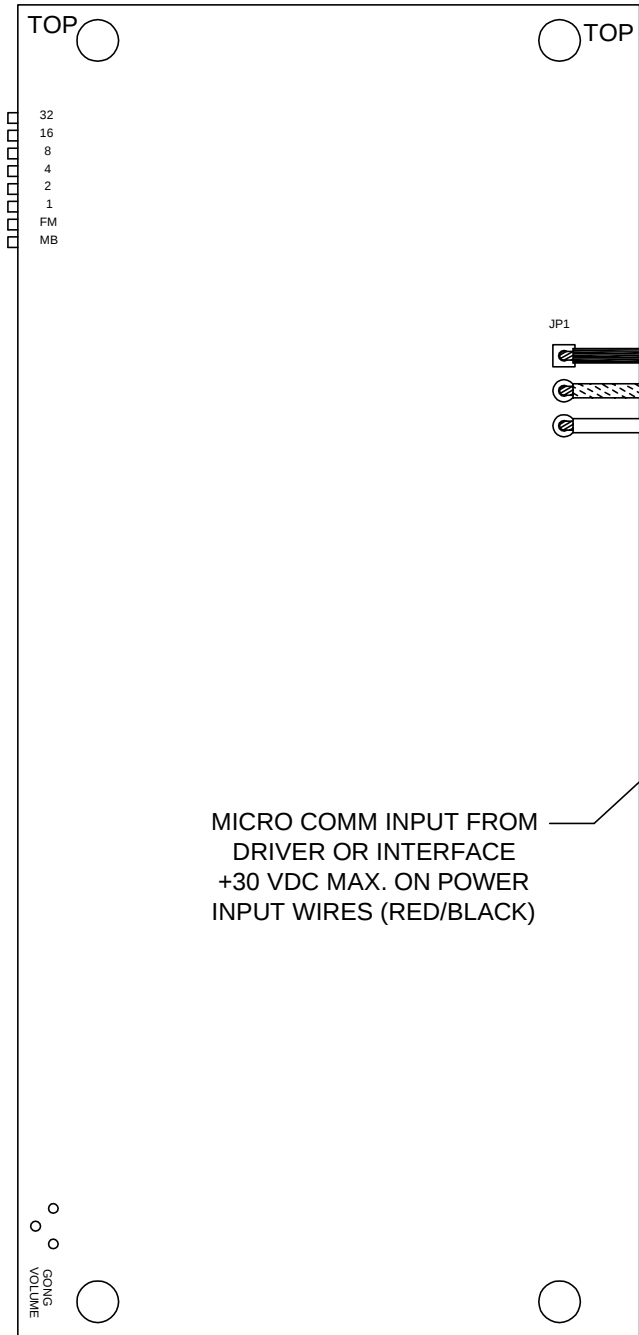
DIP SWITCH SETTINGS FOR FLOOR POSITION

	1	2	4	8	16	32		1	2	4	8	16	32
	SWITCH VALUE							SWITCH VALUE					
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

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.

DATE DRAWN: 02/05/09	DRAWN BY: DAC	REQUESTED BY: JK	 C.E. ELECTRONICS, INC. 2107 Industrial Drive Bryan, Ohio 43306 (419) 636-6705
BOARD NUMBER: N/A	LAST DATE REVISED: 08/28/09	APPROVED BY:	
PRODUCT: MICRO COMM 2000 DISPLAY DIP SWITCH FUNCTIONS	DWG. NO.: MC2K PI FUNCTIONS	REV: A	

JOB# _____



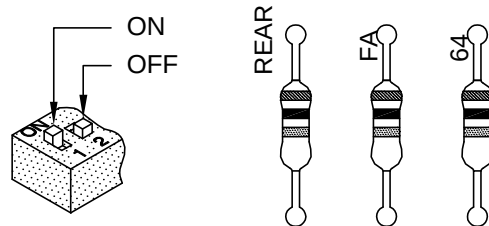
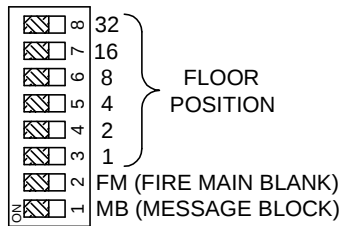
CODE VERSION _____

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. 01 01
			REV: 01

AVAILABLE FUNCTIONS FOR MICRO COMM 2000 DISPLAYS



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

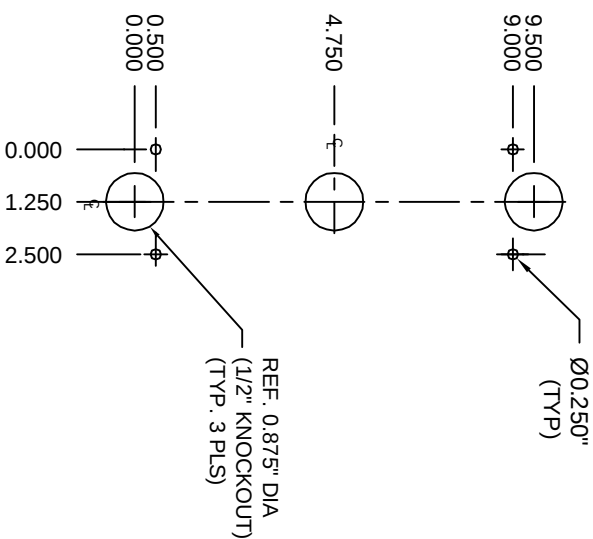
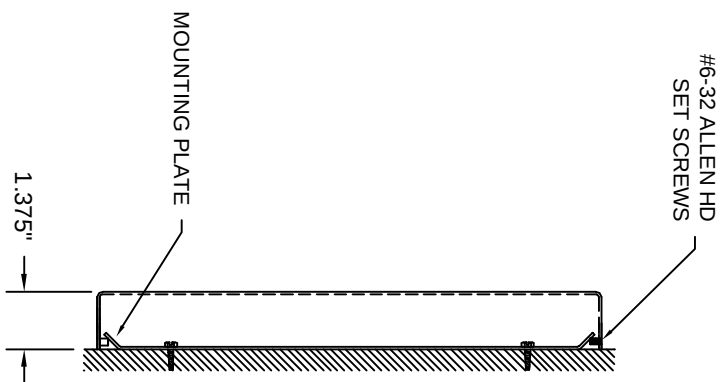
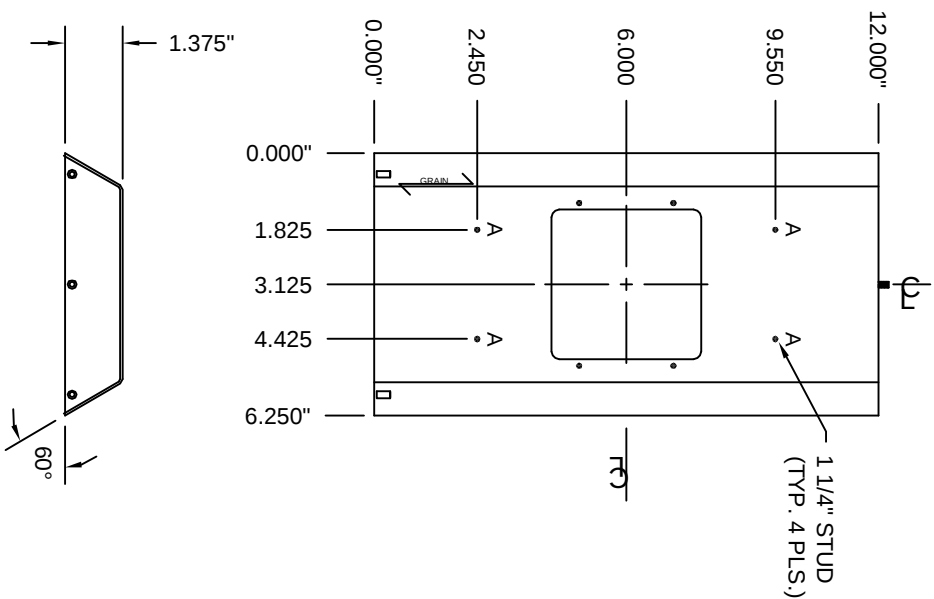
DIP SWITCH SETTINGS FOR FLOOR POSITION

	1	2	4	8	16	32		1	2	4	8	16	32
	SWITCH VALUE							SWITCH VALUE					
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
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FLOOR 8	OFF	OFF	OFF	ON	OFF	OFF	FLOOR 40	OFF	OFF	OFF	ON	OFF	ON
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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
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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
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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

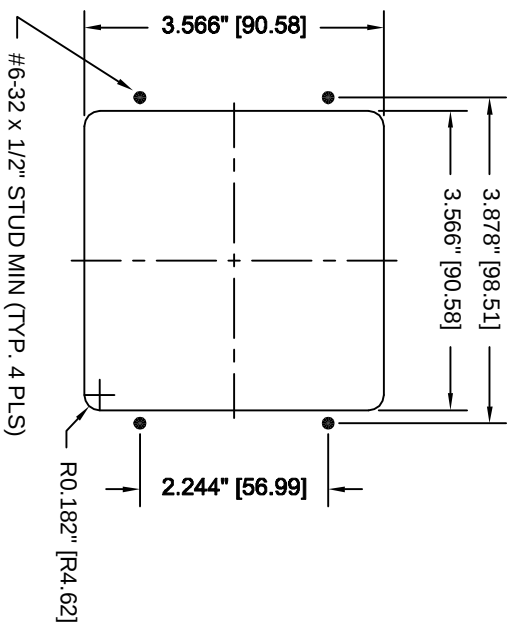
ALL MICRO COMM DISPLAYS HAVE A MAXIMUM POWER INPUT RATING OF +30VDC. USE OF THE POWER SUPPLIED BY THE MICRO COMM DRIVER OR INTERFACE IS HIGHLY RECOMMENDED.

DATE DRAWN: 02/05/09	DRAWN BY: DAC	REQUESTED BY: JK	 C.E. ELECTRONICS, INC. 2107 Industrial Drive Bryan, Ohio 43306 (419) 636-6705
BOARD NUMBER: N/A	LAST DATE REVISED: 08/28/09	APPROVED BY:	
PRODUCT: MICRO COMM 2000 DISPLAY DIP SWITCH FUNCTIONS	DWG. NO.: MC2K PI FUNCTIONS	REV: A	

COVER PLATE



DETAIL



CUT-OUT & MTG. DETAIL

NOTES:

- #4 STAINLESS STEEL, PAN TYPE COVER, 16 GAUGE .060
- VERTICAL GRAIN
- BACK PLATE INCLUDED

LENS NUMBER:		DRAWN BY:	
APPROVED BY:		DATE:	
SCALE:		PART #:	
DATE DRAWN:		TOLERANCE UNLESS OTHERWISE SPECIFIED:	
10/25/06		+0.015, -0.015	
DRAWN BY:		TOLERANCE FOR CUTOUT (WIDEN):	
D.W.S.		+0.020, -0.000	
REQUESTED BY:		C.S.	
TITLE:		OTIS SPECTRA SERIES SURFACE MOUNT METAL	
C.E. ELECTRONICS, INC.		2107 INDEPENDENCE	
BRYAN, OHIO 43506		(419) 636-6705	
70100039		REV:	