MH222-XXX
2.2" CHARACTERS | 2.5" ARROW

TYPICAL APPLICATIONS:

> Car-OP Panel
> Transom-car or Hall
> Surface mount fixtures

FEATURES:

> Ultra-thin package
> Fast 3-wire hookup
> Latched inputs
> Cross wire protected
> Self testing
> Alternate message
> Passing chime output
> Error detection and correction

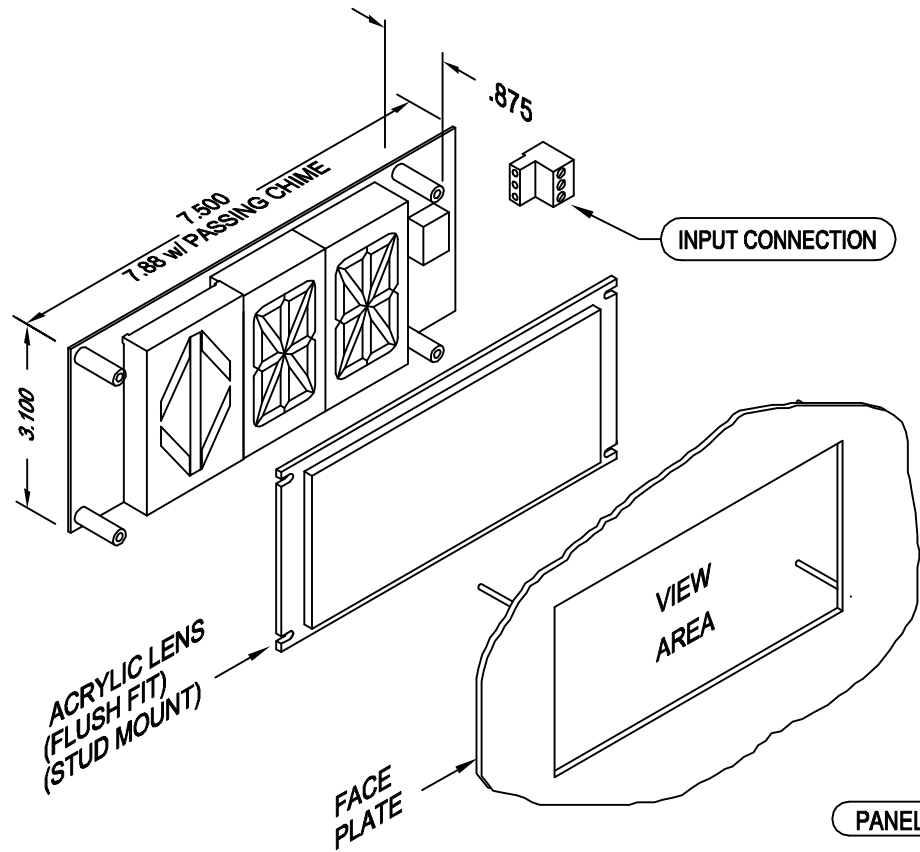## METAL (options):

> 70100006
> 70100007

C.E. Electronics, Inc.
2107 Industrial Drive
Bryan, OH 43506
PH (419) 636-6705 FX (419) 636-2516
www.ceelectronics.com
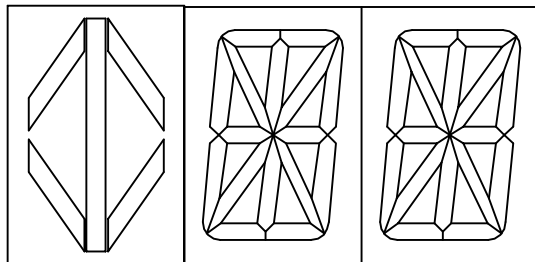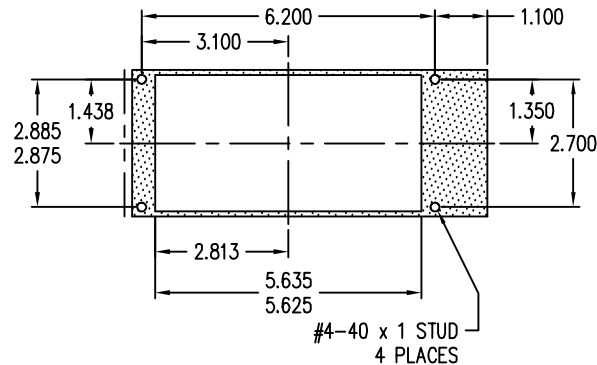
MH222-XXX
Ver. 8 Rel. 4/7/2022

MICRO COMM®
DISPLAYS

.875

7.500
7.88 w/ PASSING CHIME

3.100

INPUT CONNECTION

ACRYLIC LENS
(FLUSH FIT)
(STUD MOUNT)

FACE
PLATE

VIEW
AREA

RENEWAL PARTS

Lens: 104-5602M RED
Lens: 104-6002M GRAY
Lens: 104-9002 BLUE

REMOTE DISPLAY INDICATOR "RDI"

Segmented LED, digital indicator for floor position display, as well as car direction. Any alphanumeric character can be displayed in either single or double digit floor designations.

Typical Applications:
- Car-OP Panel
- Transom-car or Hall
- Surface mount fixtures

Features:
- Ultra-thin package
- Fast, 3-wire hookup
- Latched inputs
- Cross wire protected
- Self testing
- Alternate message
- Passing chime output
- Error detection and correction feature

2.2 INCH CHARACTERS
2.5 INCH ARROW

NOTE:

1. This is not a stand alone unit. Must be used in conjunction with a Micro Comm interface.

PANEL PREPARATION

6.200
1.100
3.100
1.438
2.885
2.875
1.350
2.700
2.813
5.635
5.625
#4–40 x 1 STUD
4 PLACES

TO ORDER - SPECIFY MH222 - X X X

COLOR:
"RR" = RED CHARACTER, RED ARROW
"GR" = GREEN CHARACTER, RED ARROW
"GG" = GREEN CHARACTER, GREEN ARROW
"RG" = RED CHARACTER, GREEN ARROW
"BB" = BLUE CHARACTER, BLUE ARROW
"WW" = WHITE CHARACTER, WHITE ARROW

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

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70100006

Ver. 1 Rel. 06/06/02

METAL

COVERPLATE for MH222-XXX

6.625"
5.625"
5.000"
2.500"
1.938"
5.000"
3.875"
10.000"
11.250"
13.250"

DETAIL

3.100"
2.813"
1.350" 1.438"
2.875" 2.700"
5.625"
6.200"

#6-32 x 2.0" STUD MIN (TYP. 4 PLACES)
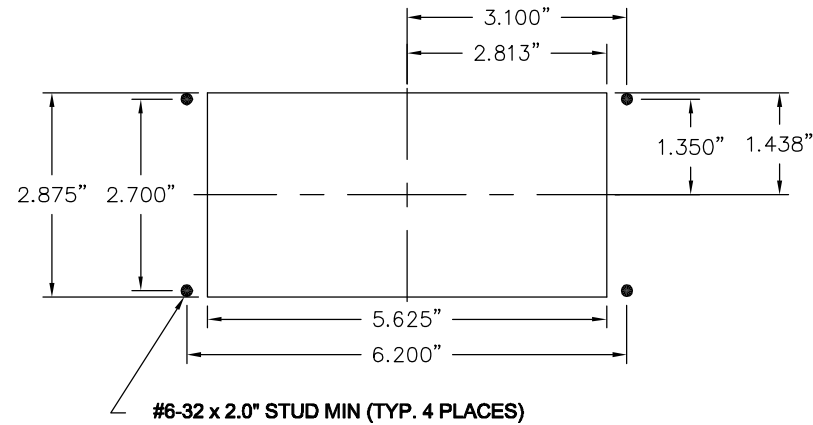
NOTES:

#4 STAINLESS STEEL, .125"
HORIZONTAL GRAIN
BEVELED EDGES - APPROXIMATELY 15°
BOX REQUIRED, 3.5" DEEP
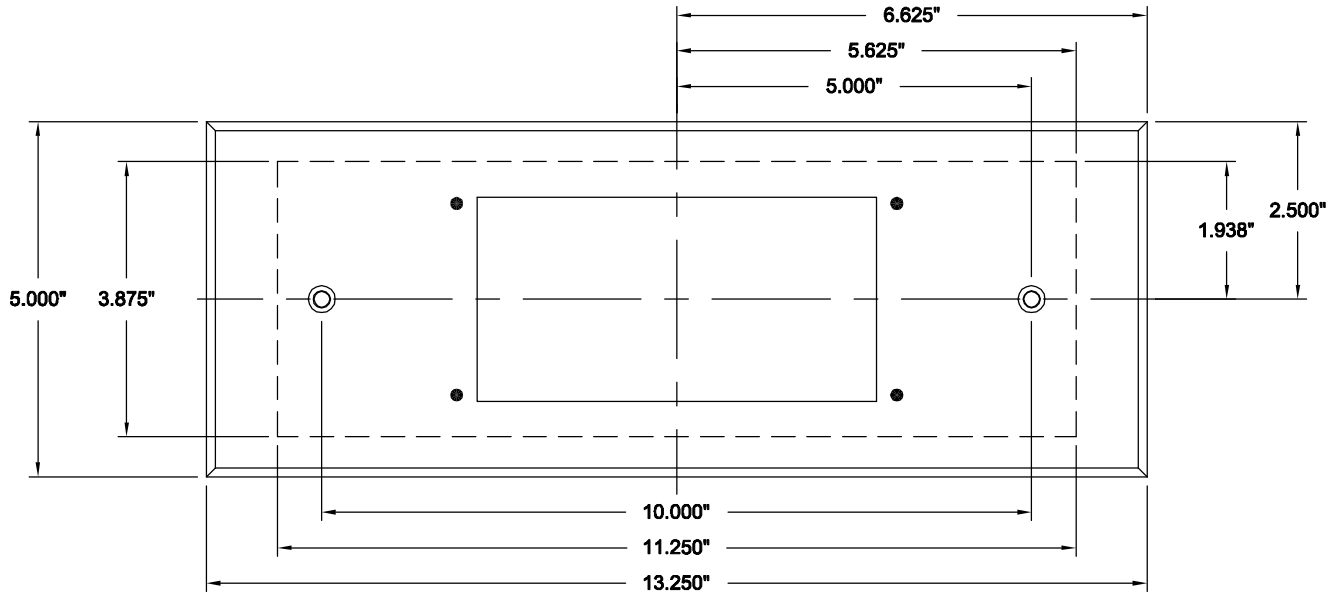COUNTERSINK MOUNTING HOLES FOR #10-32 TAMPERPROOF SCREW

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70100007
Ver. 1 Rel. 06/19/02

METAL

SM SS4 COVER & BOX MH222-2A

COVER PLATE

#6-32 ALLEN HD SET SCREWS

5.000

5.500

11.000

MOUNTING PLATE

1.250

1.250"

CUT-OUT & MTG. DETAIL

8.500"
7.500"
3.750"
1.375"
2.750"

6.200"
5.625"
2.700"
2.875"
1.438"
1.350"
2.813"
3.100"

#6-32 x 1 1/8" STUD MIN (TYP. 4 PLACES)
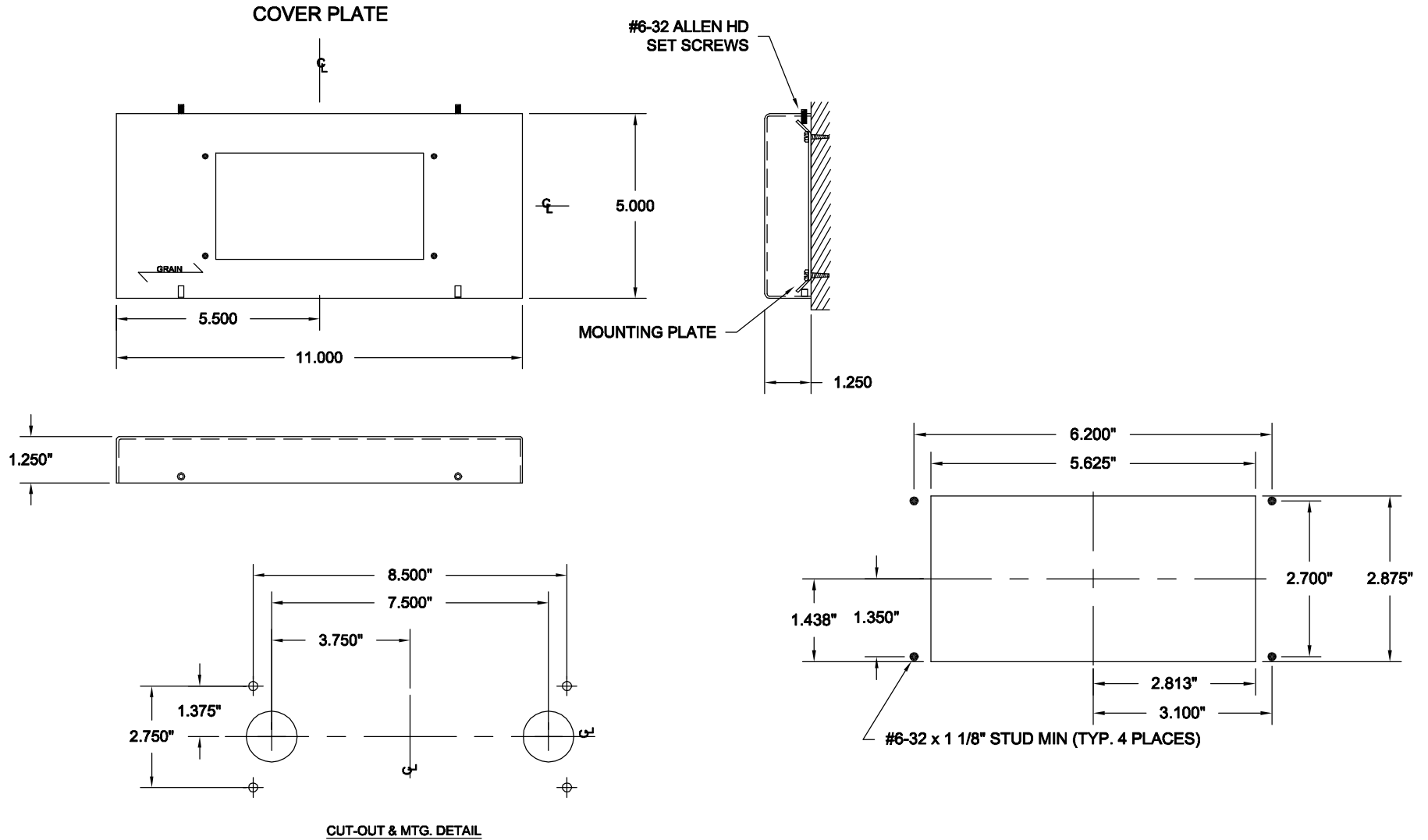
NOTES:

#4 STAINLESS STEEL, PAN TYPE COVER, 16 GAGE .060
HORIZONTAL GRAIN
BACK PLATE INCLUDED

MH222-XX

TOP   CE3143   TOP

32
16
8
4
2
1
FM
MB
S1

JP1
1 - COM
2 - V+
3 - DATA

R5 R4 R3
FA 64 R

JP2

JOB# _____

ON OFF

DIP SWITCH
LEGEND

DEFAULT SETTINGS

								ON
								OFF

1 2 3 4 5 6 7 8
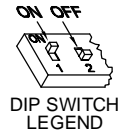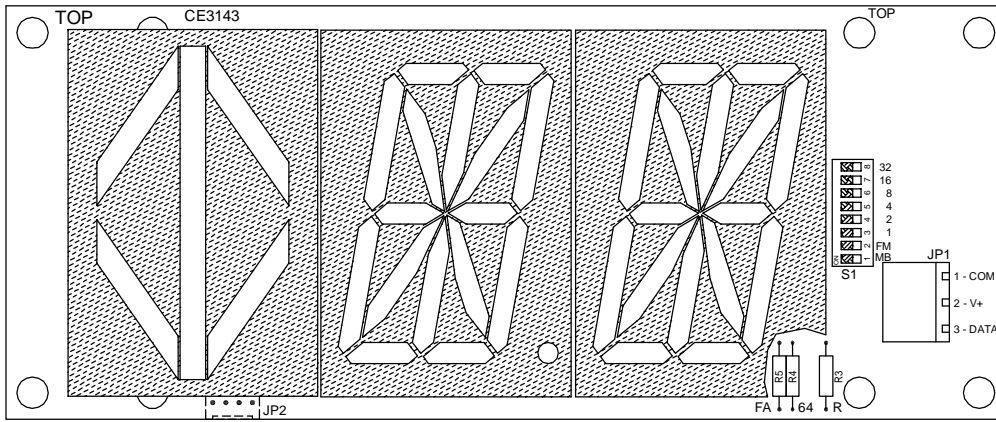
CODE VERSION _____

BOARD VERSION CE3143 ___
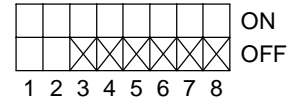
CHART TO SELECT FLOOR POSITION WITH DIP SWITCH

VALUE	32	16	8	4	2	1								
DIP SWITCH #	**8**	**7**	**6**	**5**	**4**	**3**	**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

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). This will block level 1 and level 3 messages from being displayed.

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 resistor R5 (FA) from the board.

DIP switches 3-8 off and resistor R4 (64) installed is an all call using travel signals. DIP switches 3-8 on and resistor R4 (64) removed is an all call using arrival signals.

All MH222 displays are able to operate in arrival 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 MH222 as an arrival unit above floor 63, remove resistor R4 (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 MH222 for floor 75, remove resistor R4 and set the DIP switches for floor 11 (64+11=75).

To operate the MH222 as a rear unit remove resistor R3 (R) 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.

DATE DRAWN: 05/05/05	DRAWN BY: DAC	REQUESTED BY: JK	C.E. ELECTRONICS, INC.
BOARD NUMBER: 3143	LAST DATE REVISED: 08/25/05	APPROVED BY:	2107 Industrial Drive Bryan, Ohio 43506 (419) 636-6705
PRODUCT	MH222 MICRO COMM DISPLAY		DWG. NO. MH222004	REV: B