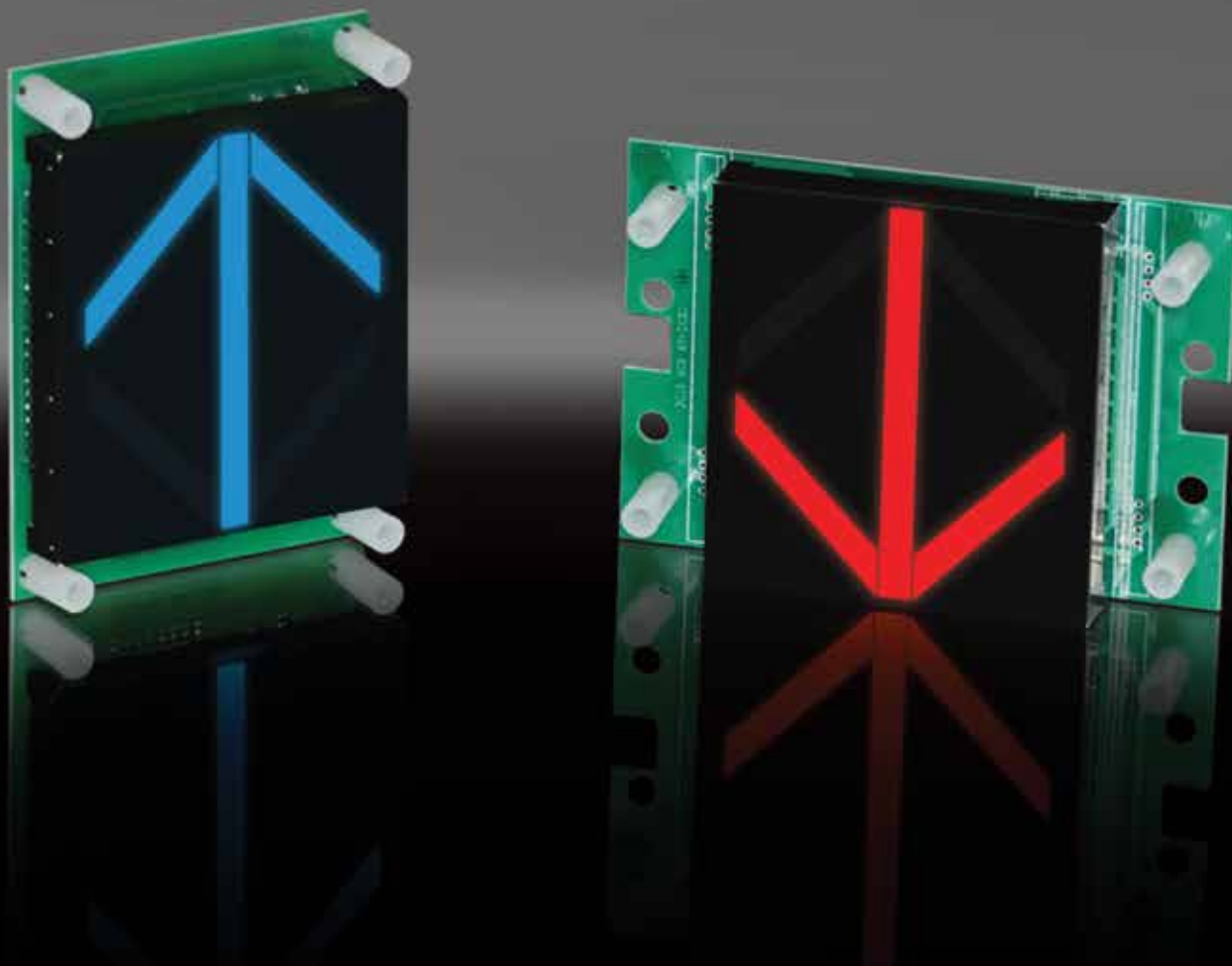# SA130-XXXXX
3.0" LED ARROW

A.D.A
3.0" LED ARROW

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

TYPICAL APPLICATIONS:
> Hall and car lanterns

FEATURES:
> Ultra-thin packaging
> Bi-color, red down / green up or solid blue, solid white
> Fast 3-wire hookup
> Conforms to ADAAG 4.10.4
> Jamb mountable (Verticle style only)
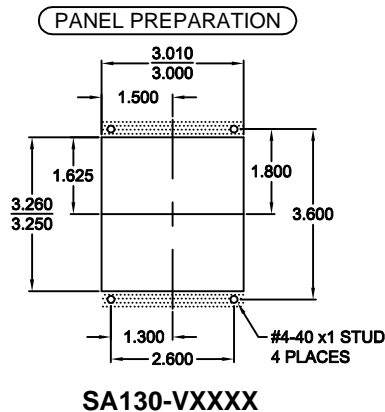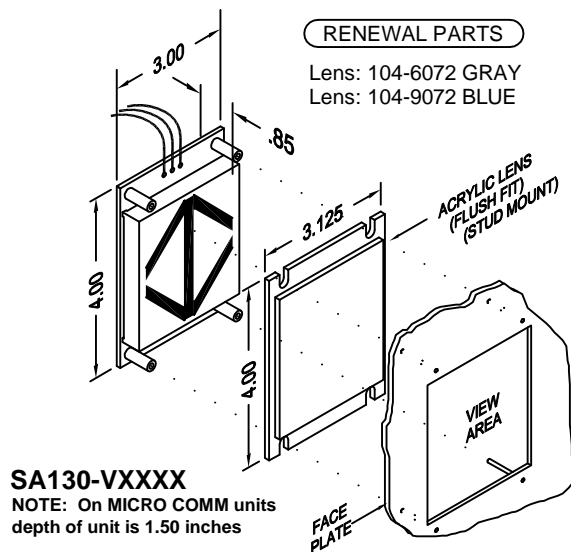
SNAP IN VIEW:

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

SA130-XXXXX
Ver. 13 Rel. 10/25/2016

A.D.A.

RENEWAL PARTS
Lens: 104-6072 GRAY
Lens: 104-9072 BLUE

ACRYLIC LENS
(FLUSH FIT)
(STUD MOUNT)

VIEW AREA

FACE PLATE

3.00
.85
3.125
4.00
4.00

SA130-VXXXX
NOTE: On MICRO COMM units
depth of unit is 1.50 inches

PANEL PREPARATION
3.010
3.000
1.500
1.625
1.800
3.260
3.250
3.600
1.300
2.600
#4-40 x1 STUD
4 PLACES

SA130-VXXXX

3.0 INCH LED ARROW
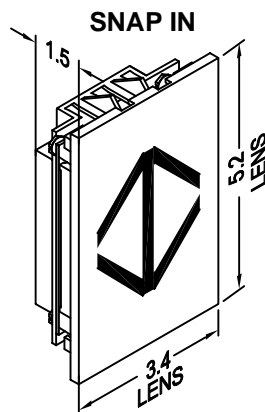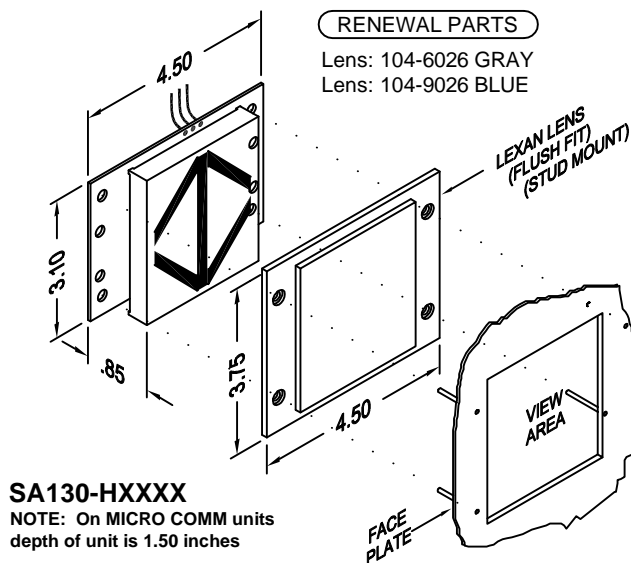Long life, solid state bi-color, blue or white arrows for lanterns.

Typical applications:
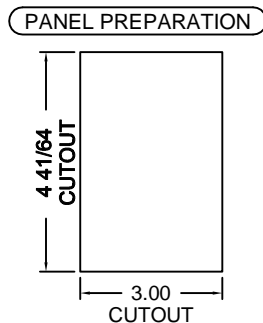• Hall or car lanterns.

Features:
• Ultra-thin packaging
• Bi-color, red down/green up
  or solid blue, solid white
• Fast 3-wire hookup
• Conforms to ADAAG 4.10.4
• Jamb mountable (Vertical style only)

SNAP IN
1.5
5.2 LENS
3.4 LENS

RENEWAL PARTS
Lens: 104-6029 GRAY

PANEL PREPARATION
4 41/64 CUTOUT
3.00 CUTOUT

RENEWAL PARTS
Lens: 104-6026 GRAY
Lens: 104-9026 BLUE

LEXAN LENS
(FLUSH FIT)
(STUD MOUNT)

VIEW AREA

FACE PLATE

4.50
3.10
.85
3.75
4.50

SA130-HXXXX
NOTE: On MICRO COMM units
depth of unit is 1.50 inches

PANEL PREPARATION
3.010
3.000
1.500
1.625
1.125
3.260
3.250
2.250
1.938
3.875
#4-40 x 1 STUD
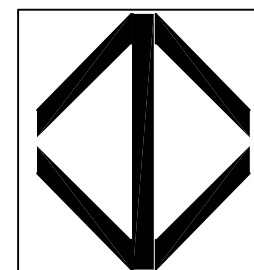4 PLACES

SA130-HXXXX

TO ORDER
SPECIFY SA130 - X X X X X

ORIENTATION:
"H" = HORIZONTAL
"V" = VERTICAL

SIGNAL VOLTAGE:
"M" = MICRO COMM
"Z" = 20-120VAC/DC
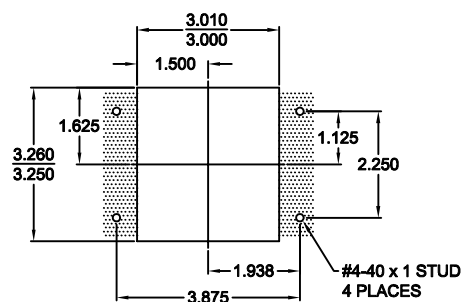
COLOR:
"<blank>" = Bi-Color
"B" = Blue ✱✱✱
"W" = White

LENS:
"G" = GRAY
"B" = BLUE
"S" = SNAP IN - vertical only
"X" = NO SELECTION

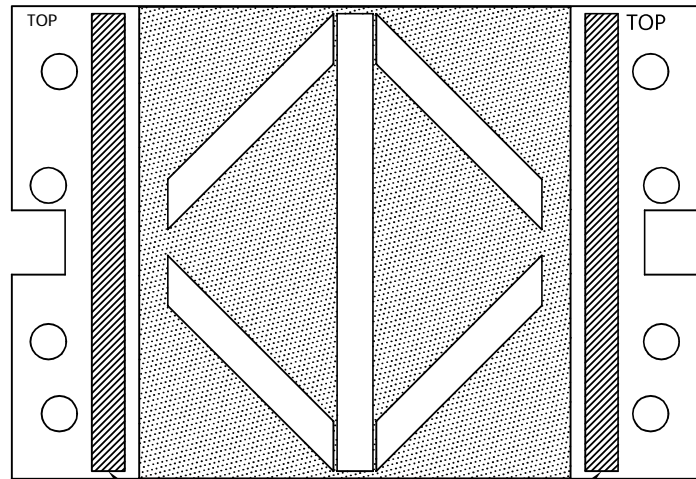SIGNAL FORMAT:
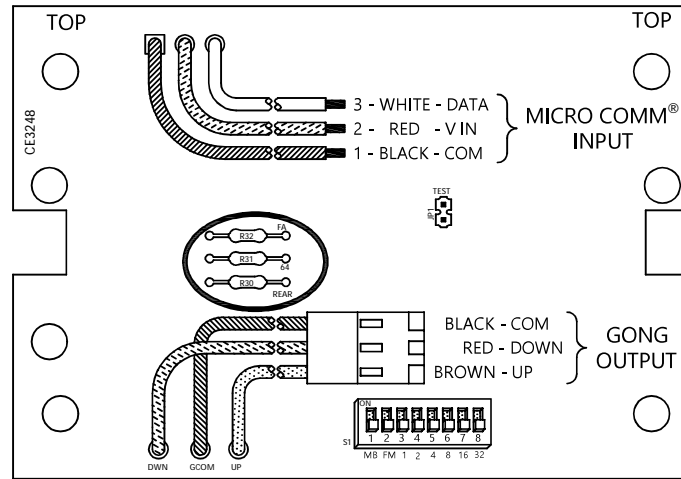"A" = ARRIVAL ✱
"T" = TRAVEL ✱
"X" = NO SELECTION ✱✱

✱ MICRO COMM APPLICATIONS
✱✱ NON - MICRO COMM APPLICATIONS
✱✱✱ MICRO COMM OR 20-120 VAC/DC ONLY

3 INCH ARROW

NOTE:
for special voltage please consult factory.

TOP TOP TOP TOP

CE3248

OPTIONAL SIDEBARS

3 - WHITE - DATA
2 - RED - V IN   MICRO COMM®
1 - BLACK - COM   INPUT

TEST

R32   FA
R31   64
R30   REAR

BLACK - COM
RED - DOWN   GONG
BROWN - UP   OUTPUT

DWN   GCOM   UP

S1 1 2 3 4 5 6 7 8
MB FM 1 2 4 8 16 32

JOB# _____

CODE VERSION _____

BOARD VERSION CE3248 __

SA130-HXM

ON
1 2 3 4 5 6 7 8

NOT USED
FIRE MAIN BLANK
1 2 4 8 16 32

FLOOR
ADDRESS

R32   FA
R31   64
R30   REAR
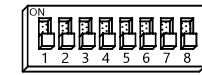
DEFAULT SETTINGS

ON
OFF
1 2 3 4 5 6 7 8

CHART TO SET FLOOR ADDRESS WITH DIP SWITCH

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

Use a programmed MICRO COMM® source to send messages with the level needed to trigger the features below.

DIP switch 1 (MB) has no function with this unit.

To blank the display during a Fire Main (Level 3) message, turn on DIP switch 2 (FM).

To blank the display during a Fire Alternate (Level 2) message, remove resistor R32 (FA) from the board.

To use the unit as an in-car lantern using travel signals, turn off DIP switches 3-8 and verify that resistor R31 (64) is installed.

To use the unit as an in-car lantern using arrival signals, turn on DIP switches 3-8 and remove resistor R31 (64) from the board.

The unit can be used as a hall (arrival) lantern. Use the chart to set the DIP switches to the desired floor. The MICRO COMM® driver must be set up to send arrival information.

To use this unit as an arrival lantern above floor 63, remove resistor R31 (64) from the board and set the DIP switches as shown on the chart, subtracting 64 from the desired floor number. For example, to set the unit for floor 75, remove resistor R10 and set the DIP switches for floor 11 (75 - 64 = 11).

To use the unit as a rear lantern, remove resistor R30 (REAR) 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 more information.

To SELF-TEST the unit, short the two pins on JP2 and release. Short the two pins again to turn off SELF-TEST.
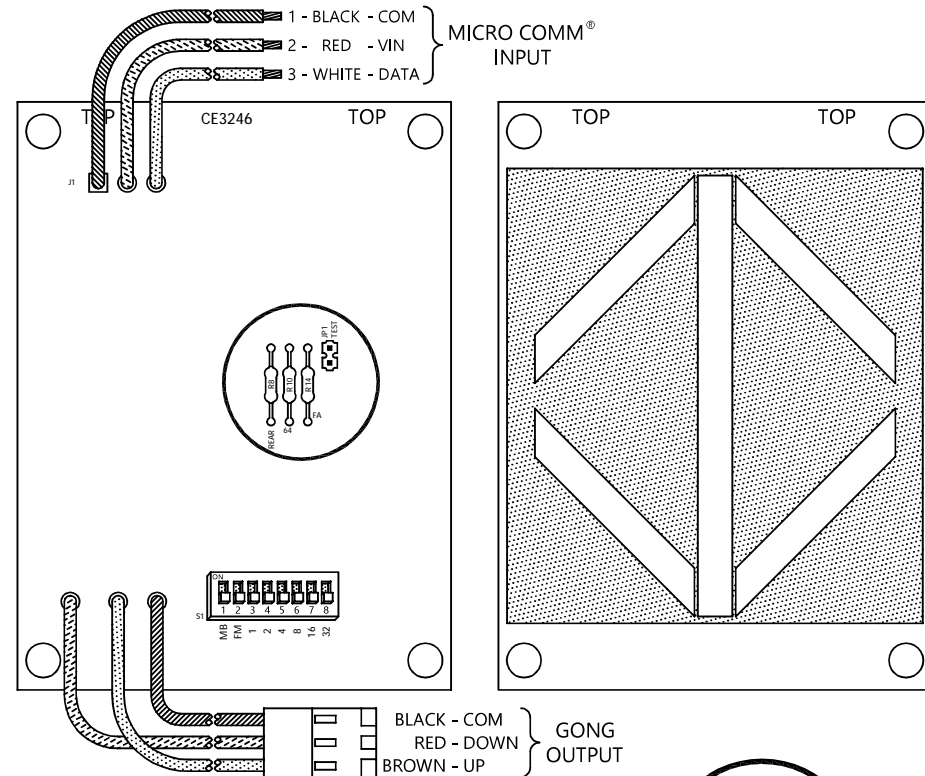
NOTE: MUST BE USED WITH A CLASS 2 POWER SUPPLY.

SA130-VM

JOB# _____

CHART TO SET FLOOR ADDRESS WITH DIP SWITCH

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

1 - BLACK - COM
2 - RED - VIN   } MICRO COMM® INPUT
3 - WHITE - DATA

CE3246   TOP   TOP

BLACK - COM
RED - DOWN   } GONG OUTPUT
BROWN - UP

Use a programmed MICRO COMM® source to send messages with the level required to activate the features below.

DIP switch 1 (MB) has no function with this unit.

To blank the display during a Fire Main (Level 3) message, turn on DIP switch 2 (FM).

To blank the display during a Fire Alternate (Level 2) message, remove resistor R14 (FA) from the board.

To use the unit as an in-car lantern using travel signals, turn off DIP switches 3-8 and verify that resistor R10 (64) is installed.

To use the unit as an in-car lantern using arrival signals, turn on DIP switches 3-8 and remove resistor R10 (64) from the board.
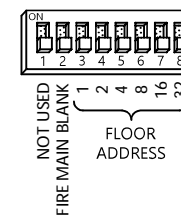
The unit can be used as a hall (arrival) lantern. Use the chart to set the DIP switches to the desired floor. The MICRO COMM® driver must be set up to send arrival information.

To use this unit as an arrival lantern above floor 63, remove resistor R10 (64) from the board and set the DIP switches as shown on the chart, subtracting 64 from the desired floor number. For example, to set the unit for floor 75, remove resistor R10 and set the DIP switches for floor 11 (75 - 64 = 11).

To use the unit as a rear lantern, remove resistor R8 (REAR) 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 more information.

To SELF-TEST the unit, short the two pins on JP1 and release. Short the two pins again to turn off SELF-TEST.

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

NOT USED
FIRE MAIN BLANK
1 2 4 8 16 32
FLOOR ADDRESS

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

CODE VERSION _____

BOARD VERSION CE3246 ___

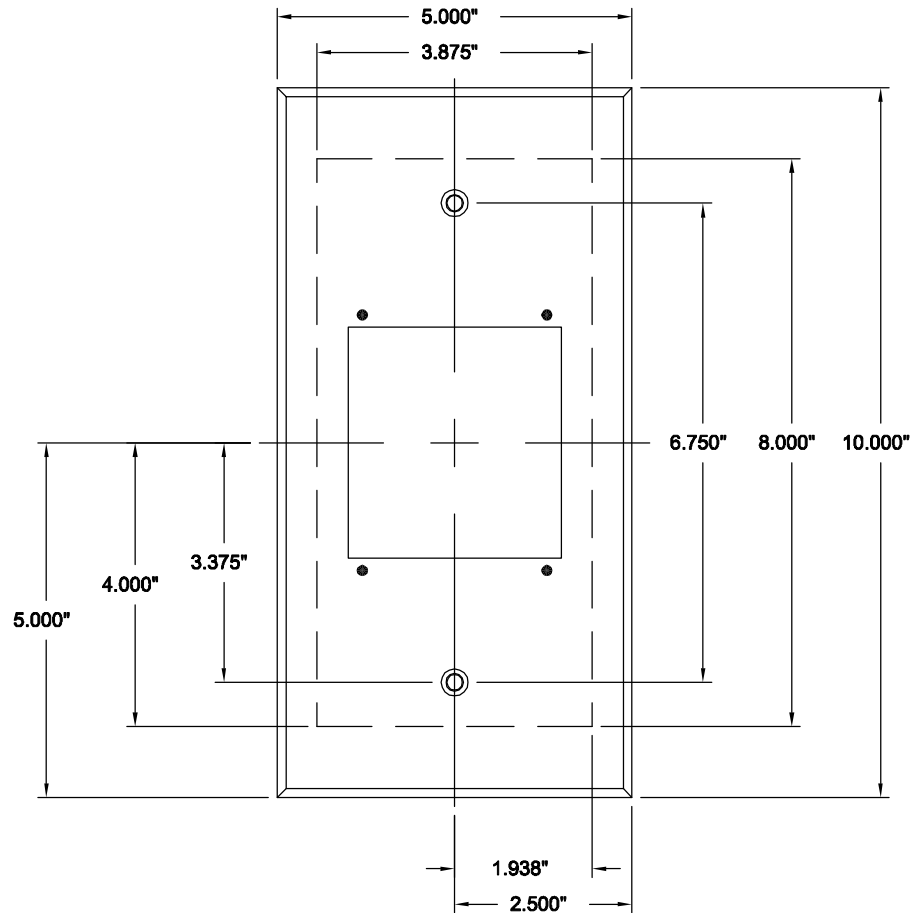| DATE DRAWN: 10/28/03	DRAWN BY: DAC	REQUESTED BY: D.C.	C.E. ELECTRONICS, INC. 2107 Industrial Drive Bryan, Ohio 43506 (419) 636-6705
BOARD NUMBER: 3246	LAST DATE REVISED: 07/10/18	APPROVED BY:	
PRODUCT: 3" MICRO COMM® ARROW – VERTICAL MOUNT		DWG. NO. SA130001	REV: G

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

70100001
Ver. 1 Rel. 06/18/03

METAL
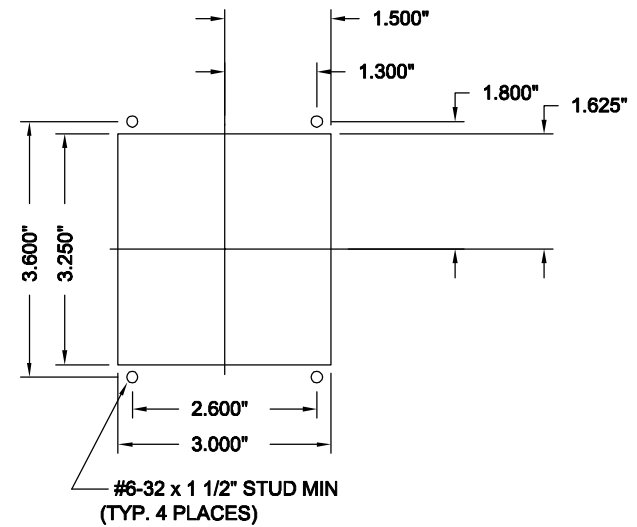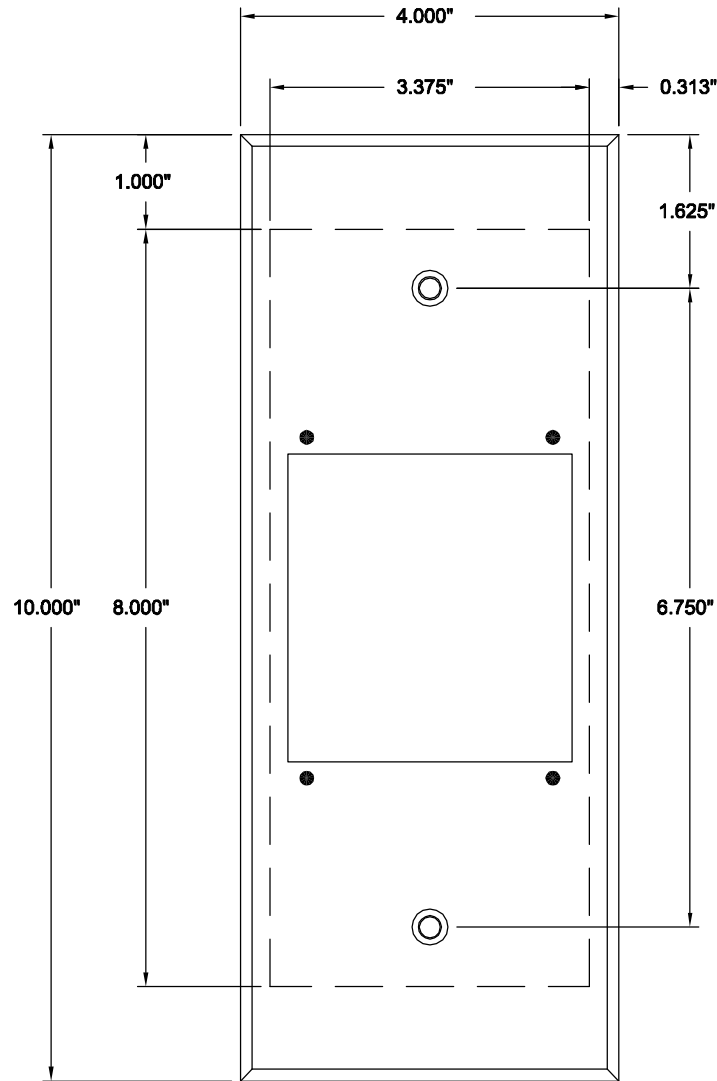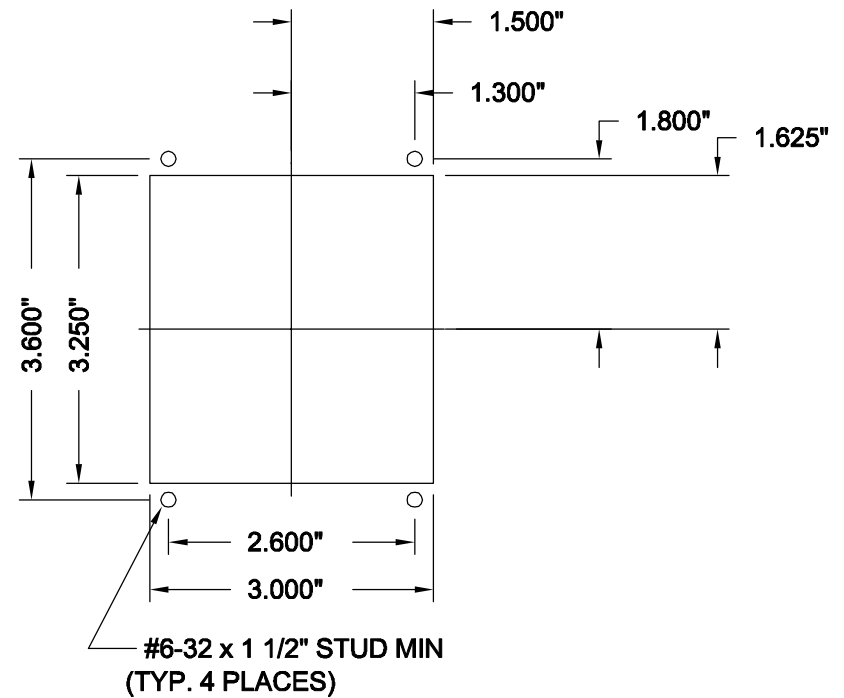
SA130 CAR DIRECTIONAL INDICATOR

5.000"
3.875"
6.750" 8.000" 10.000"
3.375"
4.000"
5.000"
1.938"
2.500"

DETAIL

1.500"
1.300"
1.800"
1.625"
3.600"
3.250"
2.600"
3.000"

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

NOTES:

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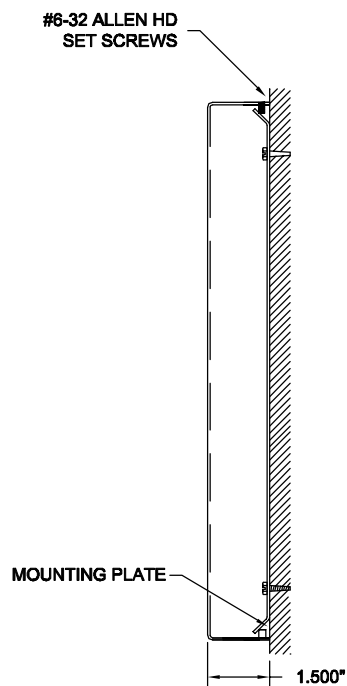COUNTERSINK MOUNTING HOLES FOR #10-32 TAMPERPROOF SCREW

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

70100009
Ver. 1 Rel. 06/06/02

METAL

SA130 FLUSH 4" x 10"

4.000"
3.375"
0.313"
1.000"
1.625"
10.000"
8.000"
6.750"

DETAIL

1.500"
1.300"
1.800"
1.625"
3.600"
3.250"
2.600"
3.000"

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

NOTES:

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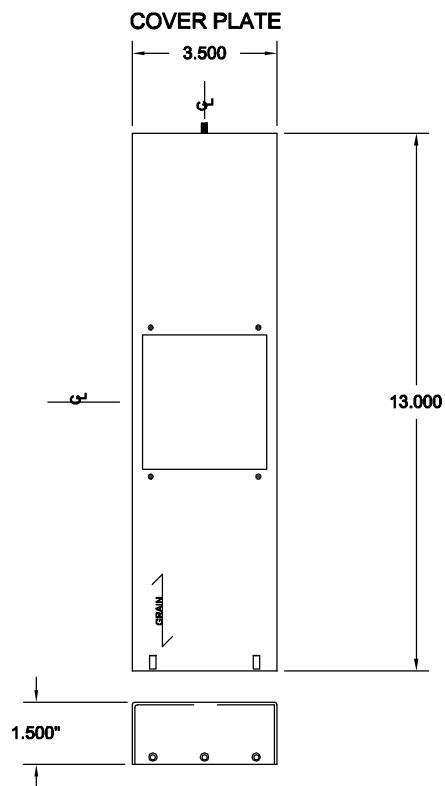COUNTERSINK MOUNTING HOLES FOR #10-32 TAMPERPROOF SCREW

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

70100010
Ver. 1 Rel. 06/06/02

METAL
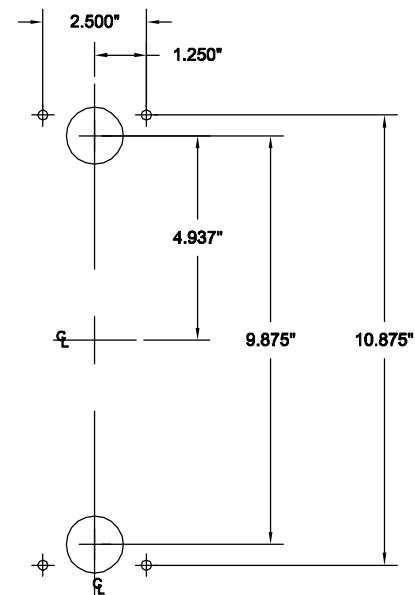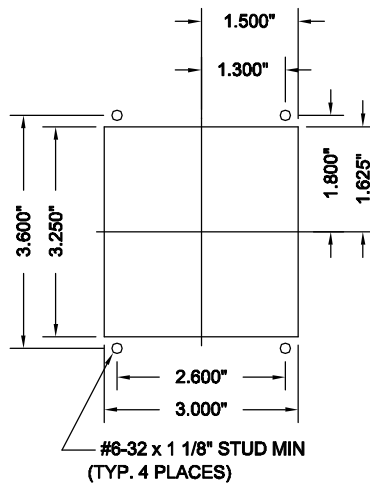
SM SS4 COVER & BOX SA130 VERT

COVER PLATE

3.500

13.000

1.500"

GRAIN

#6-32 ALLEN HD
SET SCREWS

MOUNTING PLATE

1.500"

DETAIL

2.500"
1.250"
4.937"
9.875"
10.875"

CUT-OUT & MTG. DETAIL

1.500"
1.300"
1.800"
1.625"
3.600"
3.250"
2.600"
3.000"

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

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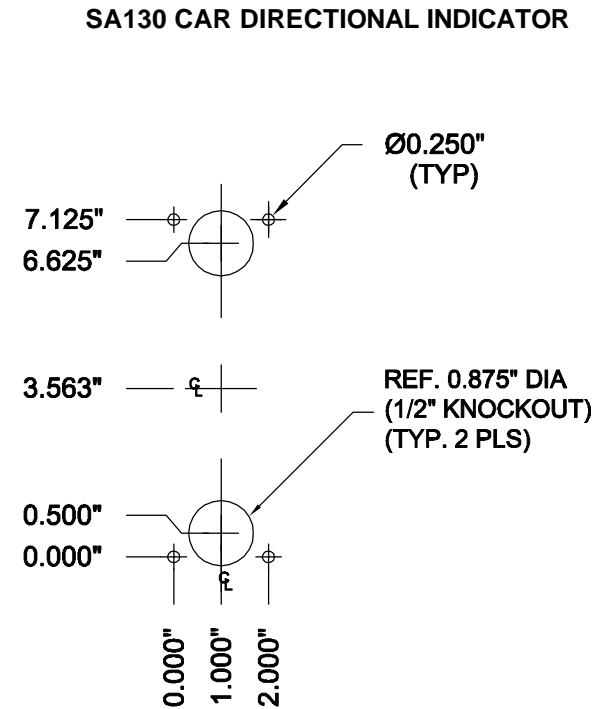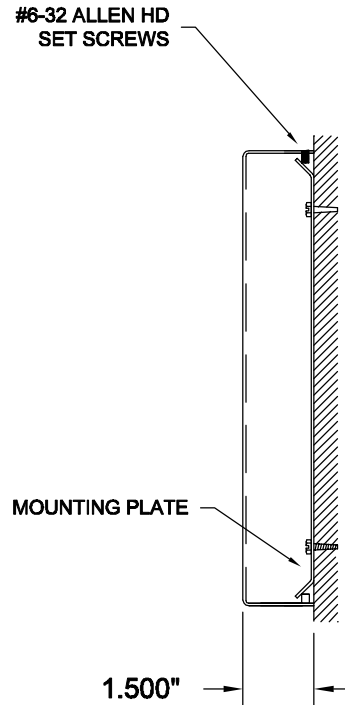
#4 STAINLESS STEEL, PAN TYPE COVER, 16 GAGE .060
VERTICAL GRAIN
BACK PLATE INCLUDED

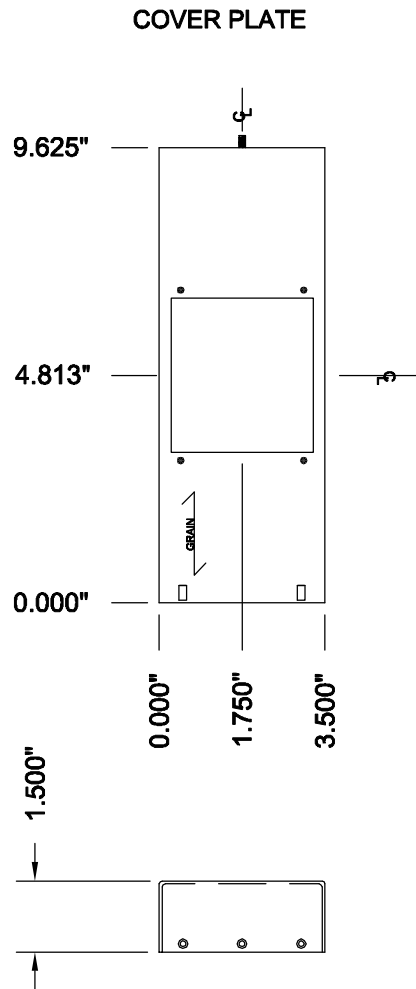**C.E. Electronics, Inc.**
2107 Industrial Drive
Bryan, OH 43506
PH (419) 636-6705 FX (419) 636-2516
www.ceelectronics.com

70100012
Ver. 1 Rel. 06/18/03
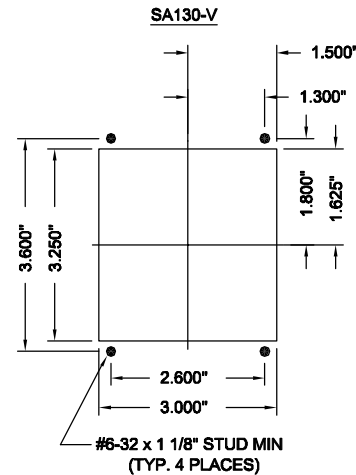
METAL

COVER PLATE

#6-32 ALLEN HD
SET SCREWS

SA130 CAR DIRECTIONAL INDICATOR

9.625"

4.813"

0.000"

GRAIN

0.000"
1.750"
3.500"

1.500"

MOUNTING PLATE

1.500"

Ø0.250"
(TYP)

7.125"
6.625"

3.563"

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

0.500"
0.000"

0.000"
1.000"
2.000"

CUT-OUT & MTG. DETAIL

SA130-V

1.500"
1.300"

1.800"
1.625"

3.600"
3.250"

2.600"
3.000"

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

NOTES:

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