



GTCH-MXXX

3.0" LED ARROW | 2.0" CHARACTERS



LANTERN SERIES

REMOTE DISPLAY INDICATOR "RDI"

Long life, solid state arrow for lanterns, 100,000 hour rated life. Accepts existing signals over the C.E. serial MICRO COMM link. The unit has a double digit 2" display. It includes a bi-color arrow which is green in the up direction and red in the down or solid blue, white, or green with matching side bars for 180° viewing. The unit is also equipped with an arrival gong.

TYPICAL APPLICATIONS:

- > Hall and car lanterns
- > Combo position indicator, Lanterns

FEATURES:

- > Bi-color 3" arrow or solid blue, white, or green
- > 2" characters red, blue, white, or green
- > 1 year factory warranty
- > Includes gong

METAL:

- > 70000238 VIP FIXTURE (shown #26)
- > 70100032 SS#4
- > 70100033 SS#8
- > 70100034 Muntz#4
- > 70100035 Muntz#8



C.E. Electronics, Inc.

Bryan, OH 43506

PH: 419.636.6705

www.ceelectronics.com

C.E. Electronics, Ltd. (UK)

P.O. Box 1679 Marlow Bucks SL7 3 ZG UK

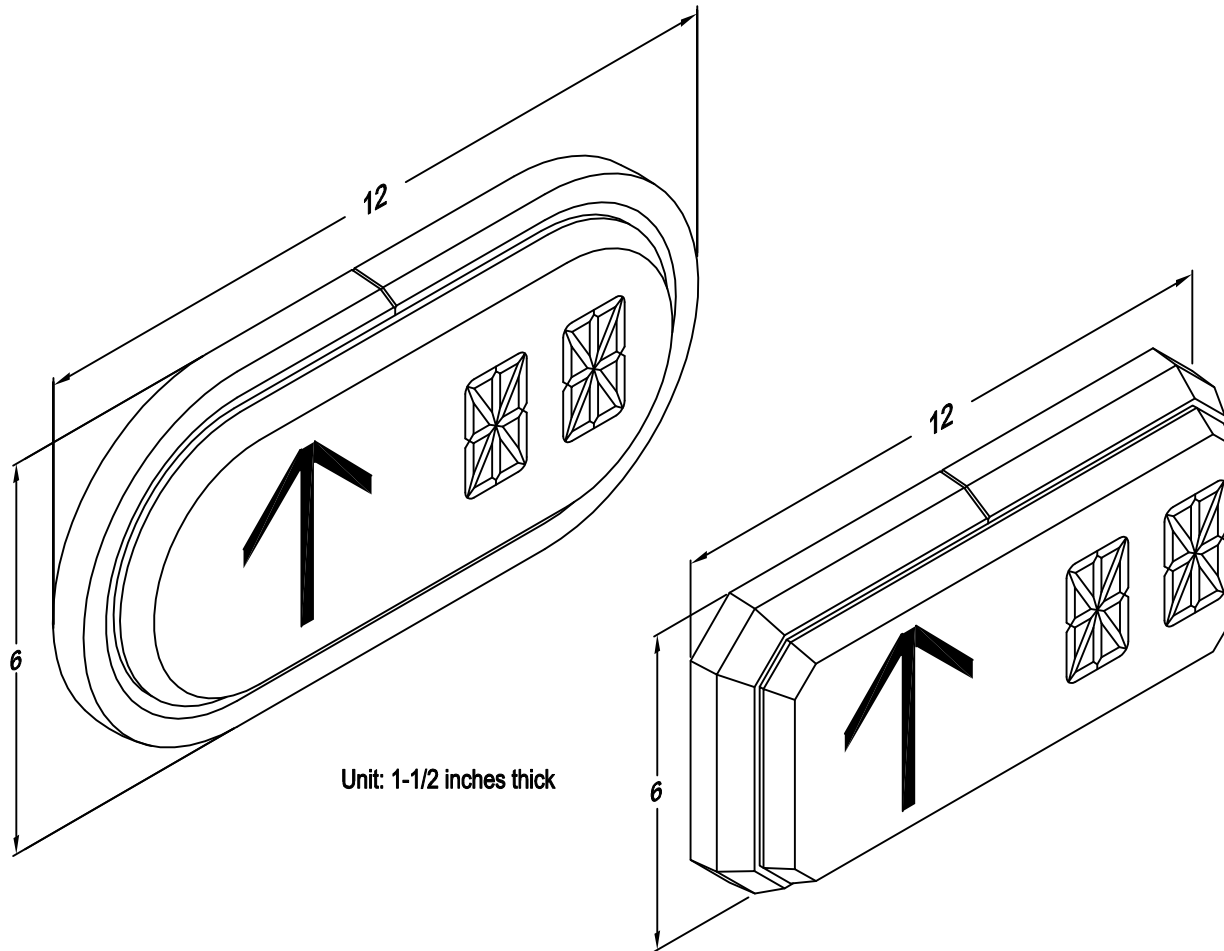


C.E. Electronics, Inc.
 2107 Industrial Drive
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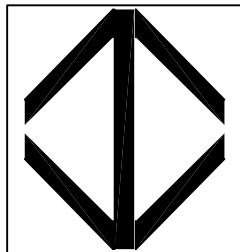
GTCH-MXXX

Ver. 7 Rel. 7/21/2015

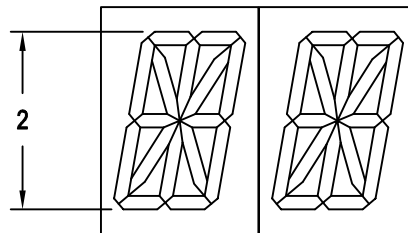
CLASSIC
 SERIES



Unit: 1-1/2 inches thick



3 INCH ARROW



2 INCH CHARACTERS

REMOTE DISPLAY INDICATOR "RDI"

Long life, solid state arrow for lanterns, 100,000 hour rated life. Accepts existing signals over the C.E. serial MICRO COMM link. The unit has a double digit 2 inch display. It includes a bi-color arrow which is green in the up direction and red in the down or solid blue, white, or green. The unit is also equipped with an arrival gong.

Typical Applications

- Hall and car lanterns
- Combo position Indicator, Lanterns

Features

- Bi-color 3 inch arrow or solid blue / white
- 2 inch characters red, blue, white, or green
- 1 year factory warranty
- Includes gong

TO ORDER - SPECIFY GTCH - M X X X

SIGNAL VOLTAGE:

"M" = MICRO COMM ONLY

GONG CHOICE:

"X" = NO CHOICE (DEFAULT)

METAL CHOICE:

"A" = STAINLESS STEEL SATIN OVAL

"B" = STAINLESS STEEL CHROME OVAL

"C" = STAINLESS STEEL SATIN RECTANGLE CHAMFERED

"D" = STAINLESS STEEL CHROME RECTANGLE CHAMFERED

"X" = NO METAL

* For additional finishes, contact factory

COLOR:

"B" = BLUE ARROW, BLUE DIGITS

"W" = WHITE ARROW, WHITE DIGITS

"G" = GREEN ARROW, GREEN DIGITS

<BLANK> = BI-COLOR ARROW, RED DIGITS

GTCH-M

JOB# _____

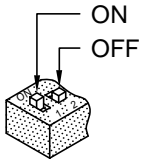
DIP SWITCH DETAIL

(AS SEEN FROM BACK OF BOARD)

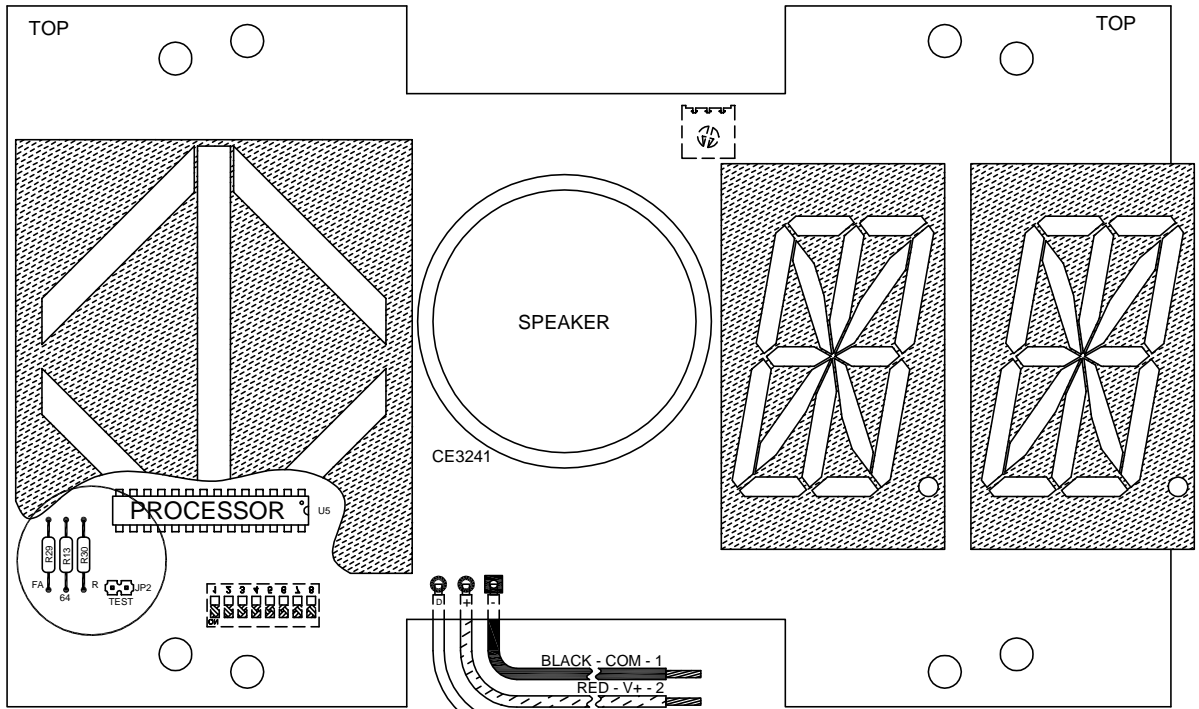
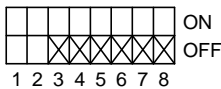


MESSAGE BLOCK
FIRE MAIN BLANK

ADDRESS SELECTION



DEFAULT SETTINGS



NOTE: DIP switch and gong volume control are located on the back of the board.

CODE VERSION _____

BOARD VERSION CE3241 _____

FLOOR ADDRESS CHART

TO DISPLAY THE ARRIVAL LANTERN AT THE CORRECT FLOOR LEVEL, SET THE DIP SWITCHES AS FOLLOWS (0=OFF, 1=ON)

| DS8 | DS7 | DS6 | DS5 | DS4 | DS3 | FLOOR | DS8 | DS7 | DS6 | DS5 | DS4 | DS3 | FLOOR |
|-----|-----|-----|-----|-----|-----|-------------|-----|-----|-----|-----|-----|-----|-----------|
| 0 | 0 | 0 | 0 | 0 | 0 | TRAVEL (#0) | 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.

To block messages from displaying during a level one message, turn on DIP switch 1 (MB).

To blank the display during a fire alternate (level two) message, remove resistor R29 (FA) from the board.

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

To operate the display as a hall (arrival) lantern, use the chart at left to set the DIP switches for the desired floor. For floors above floor 63, remove resistor R13 (64) 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 unit for floor 75, remove resistor R13 and set the DIP switches for floor 11 (75 - 64 = 11). NOTE: The Micro Comm driver must be set up to send arrival information.

To operate the display as an in-car lantern using travel signals, the unit must have resistor R13 (64) installed and DIP switches 3-8 turned off.

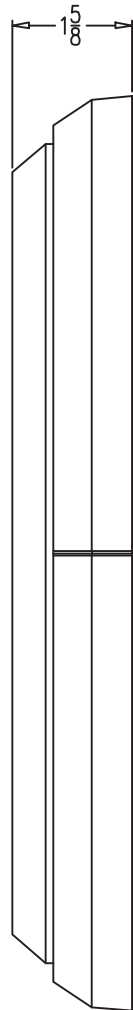
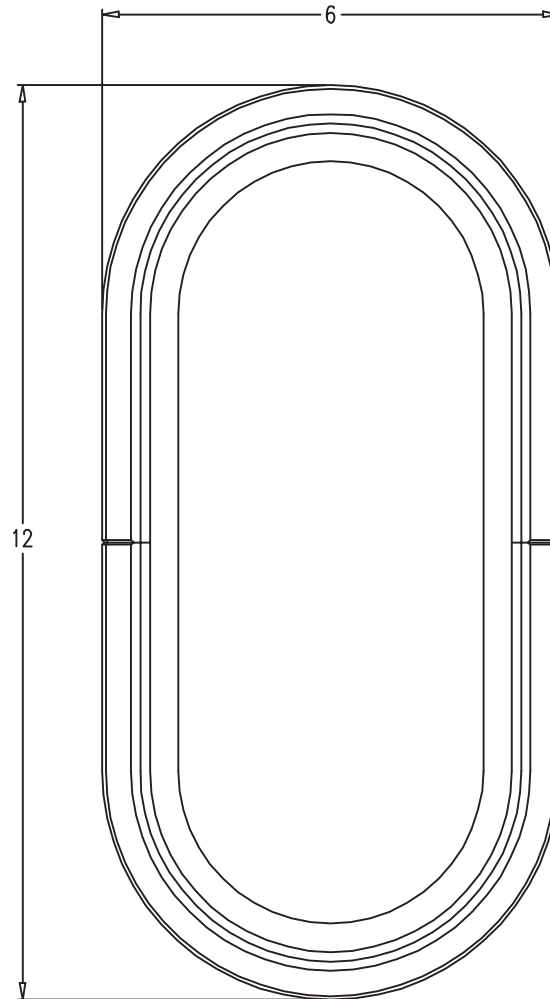
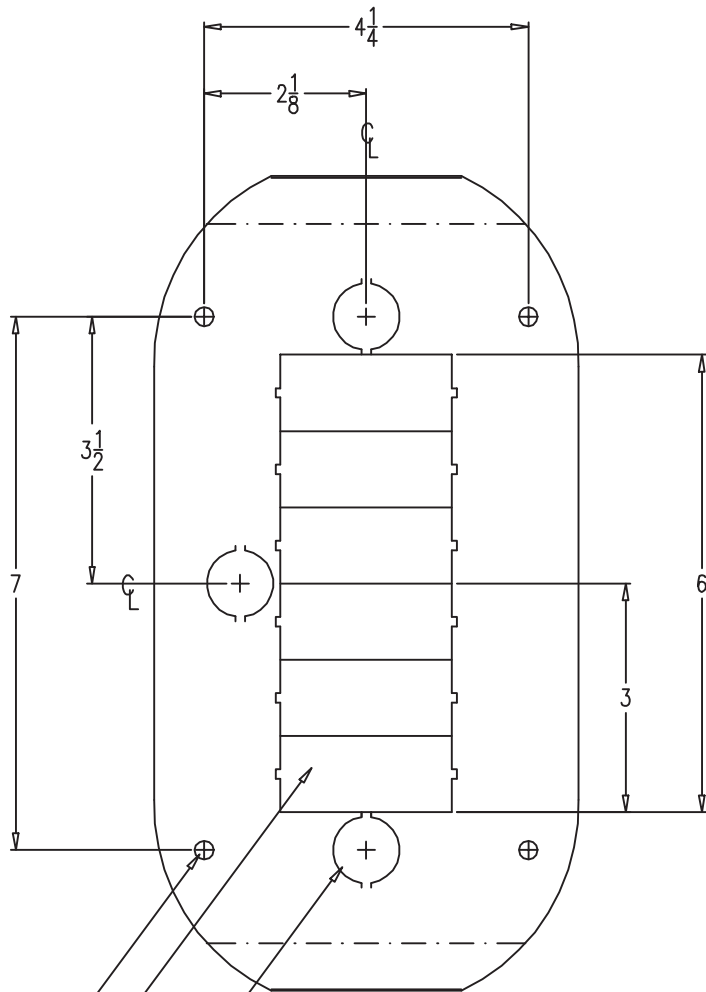
To operate the display as an in-car lantern using arrival signals, the unit must have resistor R13 (64) removed and DIP switches 3-8 turned on.

To operate the display as a rear lantern, remove resistor R30 (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.

To SELF-TEST this 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.

| | | | |
|-------------------------|--------------------------------|-----------------------------|--|
| DATE DRAWN: 01/31/03 | DRAWN BY: K.L.S. | REQUESTED BY: DC, DR, KS | C.E. ELECTRONICS, INC. 2107 Industrial Drive Bryan, Ohio 43506 (419) 636-6705 |
| BOARD NUMBER: 2948 | LAST DATE REVISED: 08/02/07 | APPROVED BY: | |
| PRODUCT GTCH-M | | DWG. NO. GTCH-M-01 | REV. G |




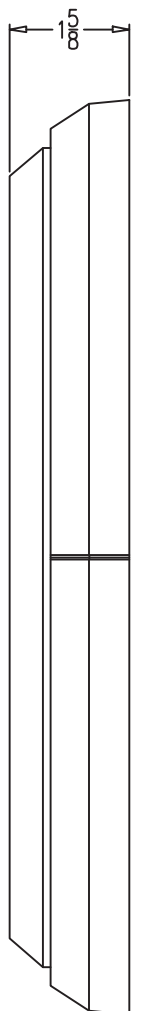
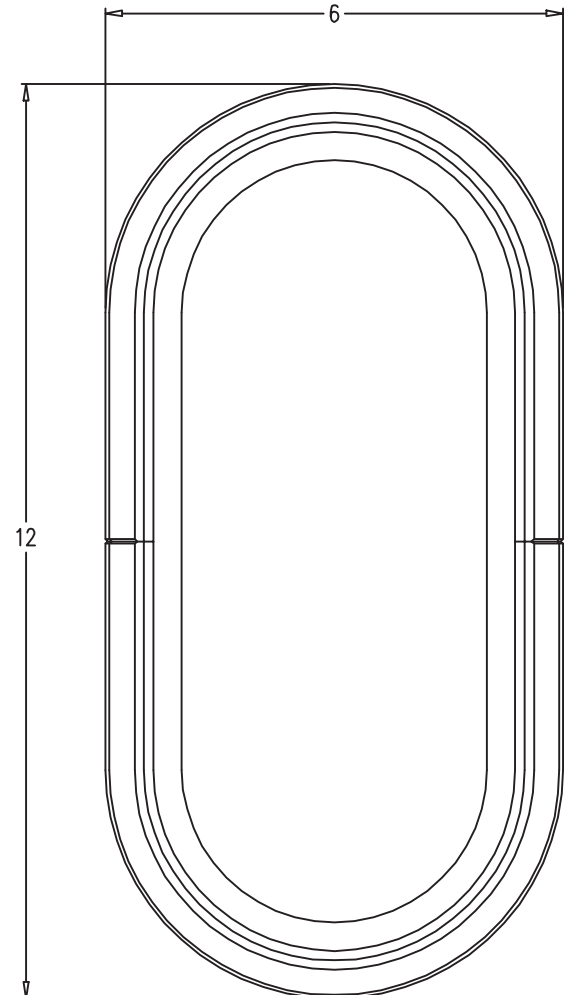
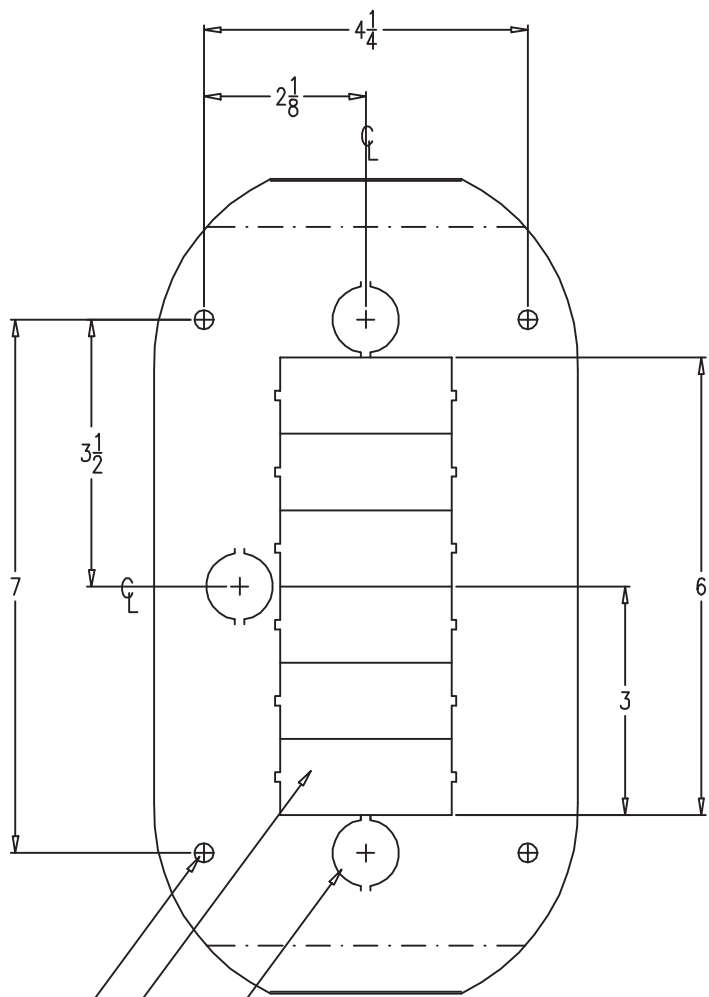
$\frac{1}{4}$ (.250) MOUNTING HOLES
4 PLACES

ACCESS PANEL
2-1/4 x 1 KNOCKOUT

1/2 CONDUIT KNOCKOUT
3 PLACES


| | |
|--------------|----------------|
| LENS NUMBER: | BOARD # & REV: |
| APPROVED BY: | |
| Signature: | |
| Date: | |
| Company: | |

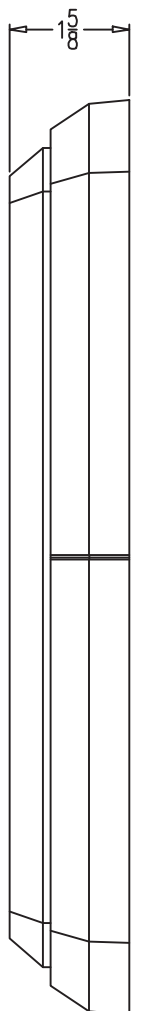
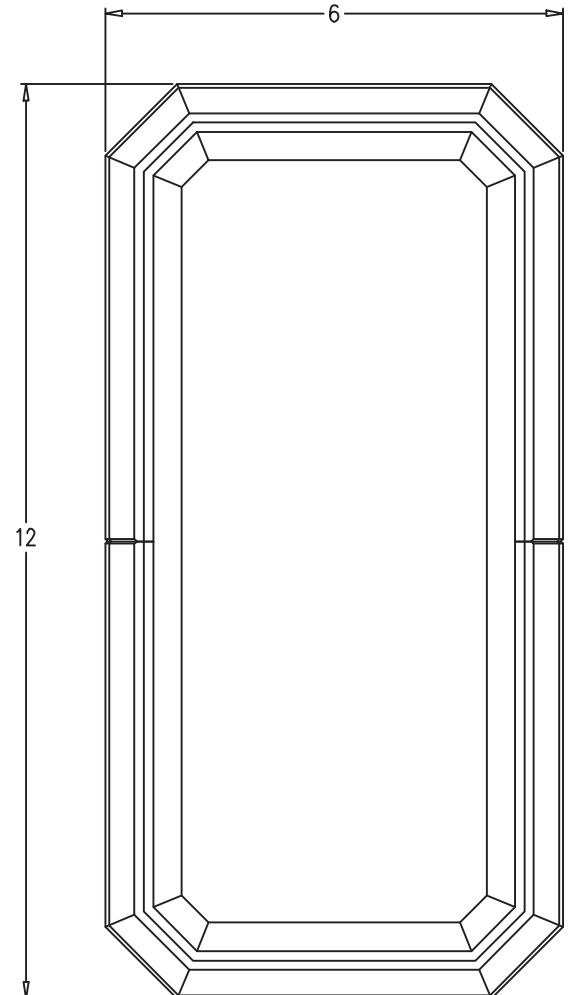
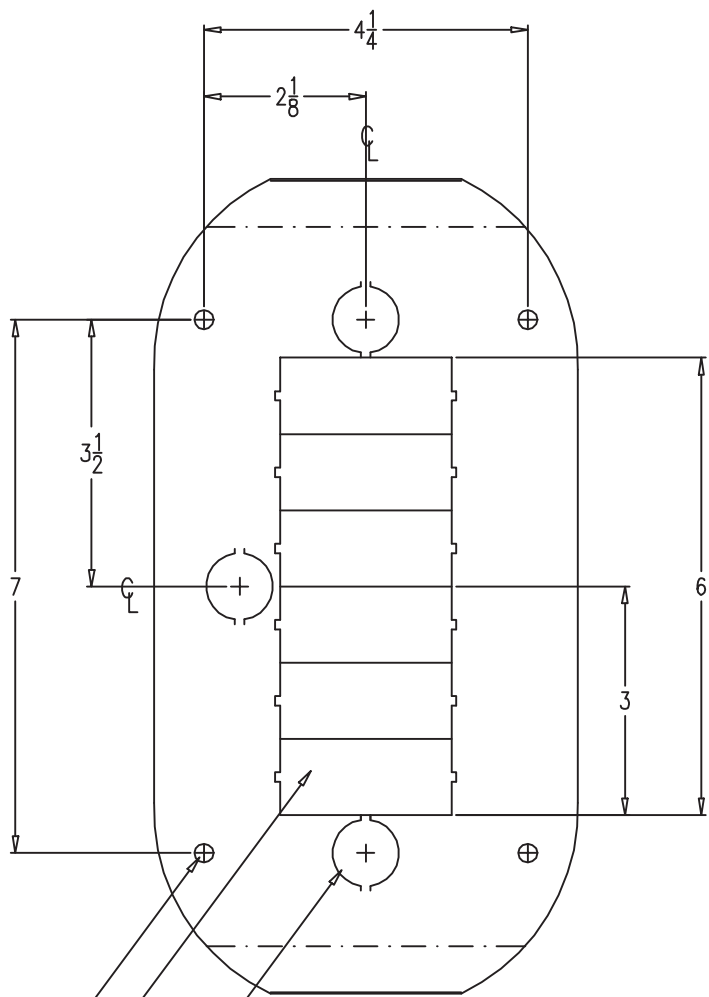
| | | | |
|--|---|--------------|---|
| DATE DRAWN: 6/25/2015 | LAST DATE REVISED | SCALE NTS | PART # |
| DRAWN BY: DWS | TOLERANCE UNLESS OTHERWISE SPECIFIED: $\pm .010$ | |  C.E. ELECTRONICS, INC. 2107 Industrial Drive Bryan, Ohio 43506 (419) 636-6705 |
| REQUESTED BY: | TOLERANCE FOR CUTOFF (WINDOW): | | |
| TITLE: CE SATIN FINISH OVAL FIXTURE | DWG. NO. RK-000073 | REV: | |



- $\phi 1/4$ (.250) MOUNTING HOLES
4 PLACES
- ACCESS PANEL
2-1/4 x 1 KNOCKOUT
- 1/2 CONDUIT KNOCKOUT
3 PLACES


| | |
|--------------|----------------|
| LENS NUMBER: | BOARD # & REV: |
| APPROVED BY: | |
| Signature: | |
| Date: | |
| Company: | |

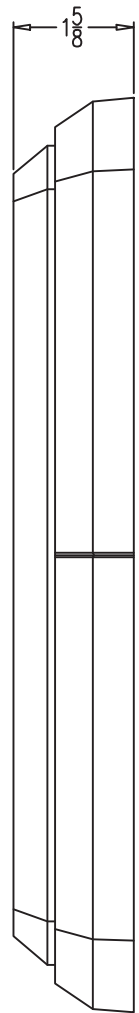
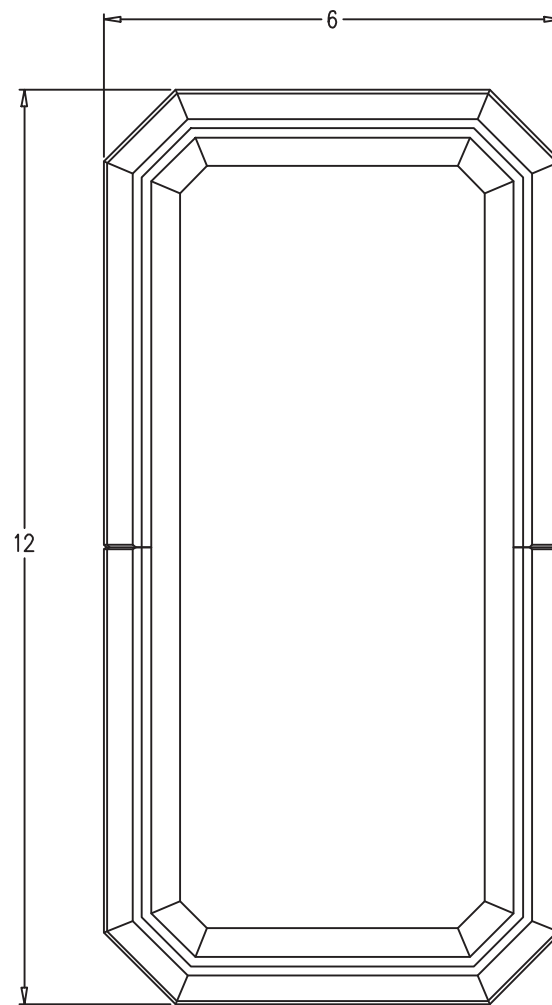
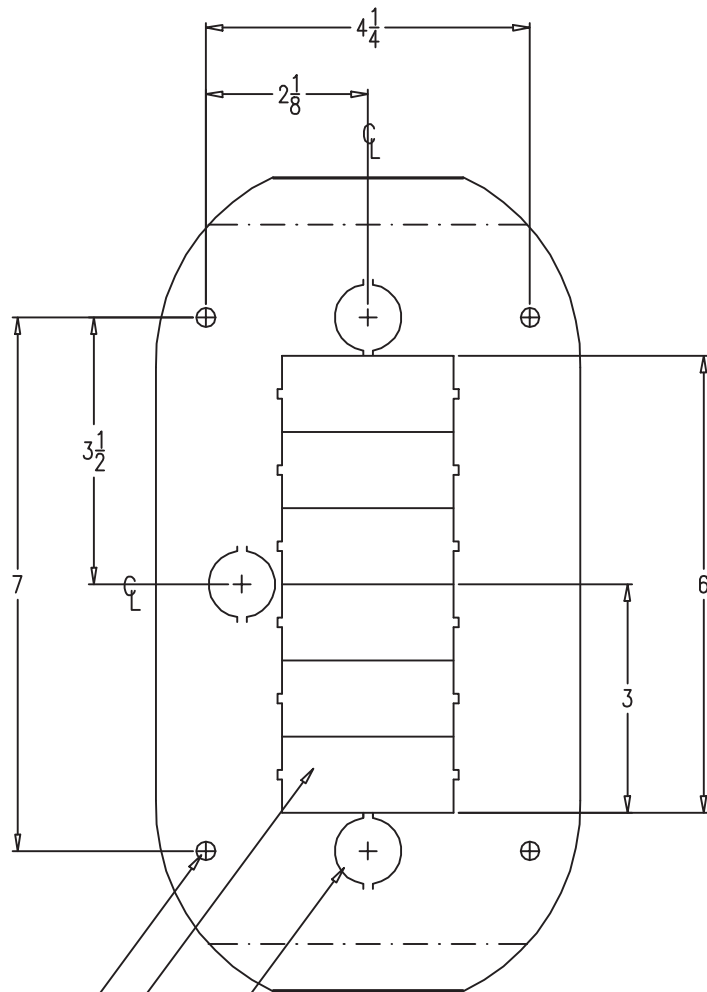
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|---|---|---|-----------------------|
| DATE DRAWN: 6/25/2015 | LAST DATE REVISED: | SCALE NTS | PART #: |
| DRAWN BY: DWS | TOLERANCE UNLESS OTHERWISE SPECIFIED: $\pm .010$ |  C.E. ELECTRONICS, INC. 2107 Industrial Drive Bryan, Ohio 43506 (419) 636-6705 | |
| REQUESTED BY: | TOLERANCE FOR CUTOFF (WINDOW): | | |
| TITLE: CE CHROME FINISH OVAL FIXTURE | | | DWG. NO. RK-000074 |



- Ø1/4 (.250) MOUNTING HOLES
4 PLACES
- ACCESS PANEL
2-1/4 x 1 KNOCKOUT
- 1/2 CONDUIT KNOCKOUT
3 PLACES


| | |
|--------------|----------------|
| LENS NUMBER: | BOARD # & REV: |
| APPROVED BY: | |
| Signature: | |
| Date: | |
| Company: | |

| | | | |
|---|--|--------------|---|
| DATE DRAWN: 6/25/2015 | LAST DATE REVISED: | SCALE NTS | PART #: |
| DRAWN BY: DWS | TOLERANCE UNLESS OTHERWISE SPECIFIED: ±.010 | |  C.E. ELECTRONICS, INC. 2107 Industrial Drive Bryan, Ohio 43506 (419) 636-6705 |
| REQUESTED BY: | TOLERANCE FOR CUTOFF (WINDOW): | | |
| TITLE: CE SATIN FINISH CHAMFERED FIXTURE | | | DWG. NO. RK-000075 |



- Ø1/4 (.250) MOUNTING HOLES
4 PLACES
- ACCESS PANEL
2-1/4 x 1 KNOCKOUT
- 1/2 CONDUIT KNOCKOUT
3 PLACES

| | |
|--------------|----------------|
| LENS NUMBER: | BOARD # & REV: |
| APPROVED BY: | |
| Signature: | |
| Date: | |
| Company: | |

| | | | |
|--|--|--------------|---|
| DATE DRAWN: 6/25/2015 | LAST DATE REVISED: | SCALE NTS | PART #: |
| DRAWN BY: DWS | TOLERANCE UNLESS OTHERWISE SPECIFIED: ±.010 | |  C.E. ELECTRONICS, INC. 2107 Industrial Drive Bryan, Ohio 43506 (419) 636-6705 |
| REQUESTED BY: | TOLERANCE FOR CUTOFF (WINDOW): | | |
| TITLE: CE CHROME FINISH CHAMFERED FIXTURE | DWG. NO. RK-000076 | REV: | |