

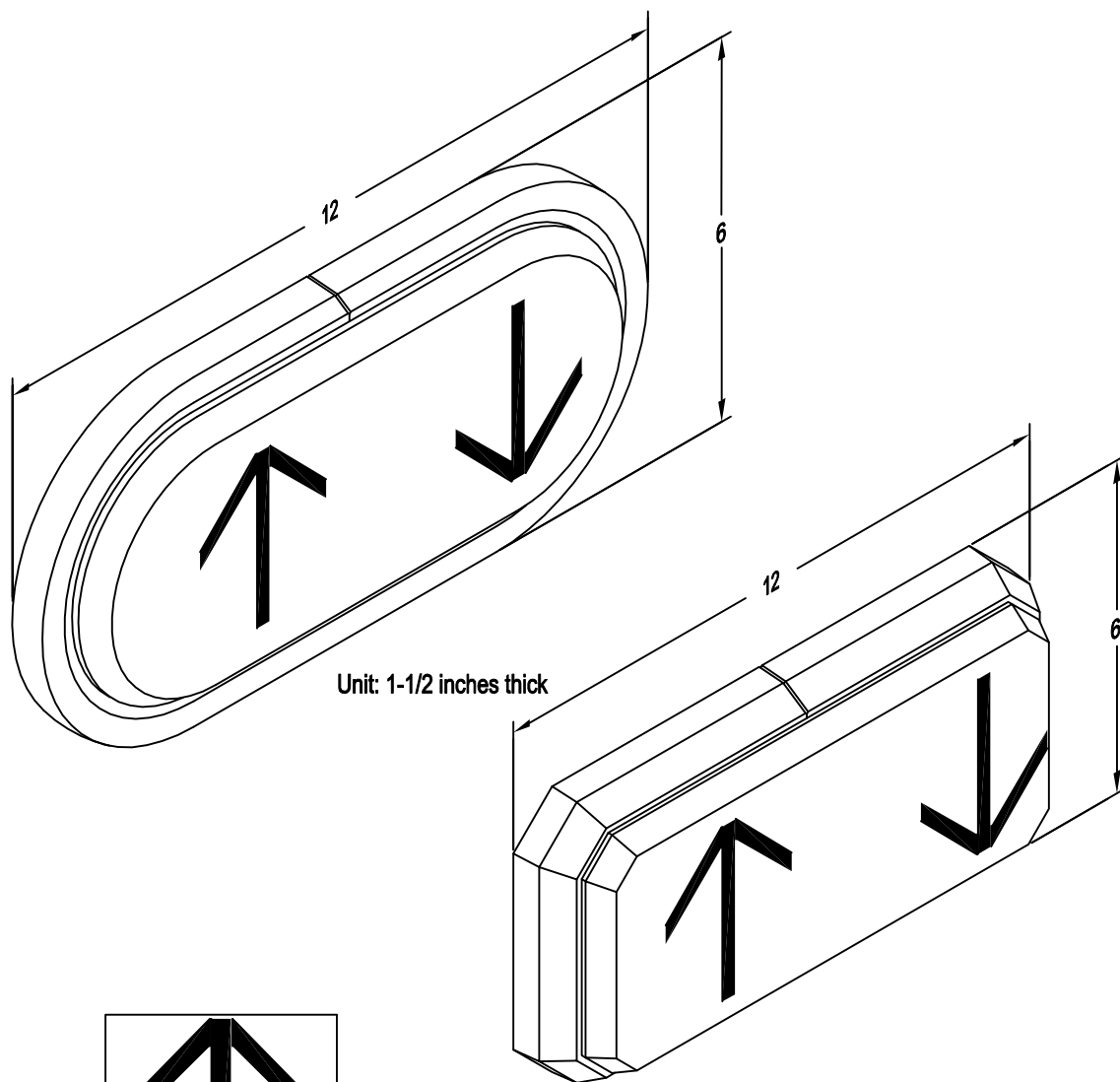


C.E. Electronics, Inc.  
2107 Industrial Drive  
Bryan, OH 43506  
PH (419) 636-6705 FX (419) 636-2516  
www.ceelectronics.com

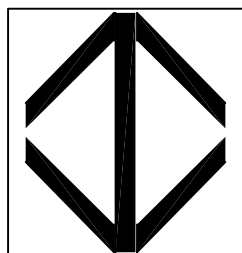
# GTDH-XXXX

Ver. 10 Rel. 7/20/2015

CLASSIC  
SERIES



Unit: 1-1/2 inches thick



3 INCH ARROW

## REMOTE DISPLAY INDICATOR "RDI"

Long life, solid state bi-color, blue, white or green arrow for lanterns, 100,000 hour rated life. Accepts existing signals over the discrete inputs. The bi-color arrows are 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

### Features

- 3 inch arrow
- Red down/green up
- All Blue, White, or Green
- 1 year factory warranty
- Includes gong

TO ORDER - SPECIFY GTDH-XXXX

### SIGNAL VOLTAGE:

"Z" = +/- 20 - 130 VAC/DC

### GONG CHOICE:

"S" = SINGLE STROKE

"D" = DOUBLE STROKE

### 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

"W" = WHITE ARROW

"G" = GREEN ARROW

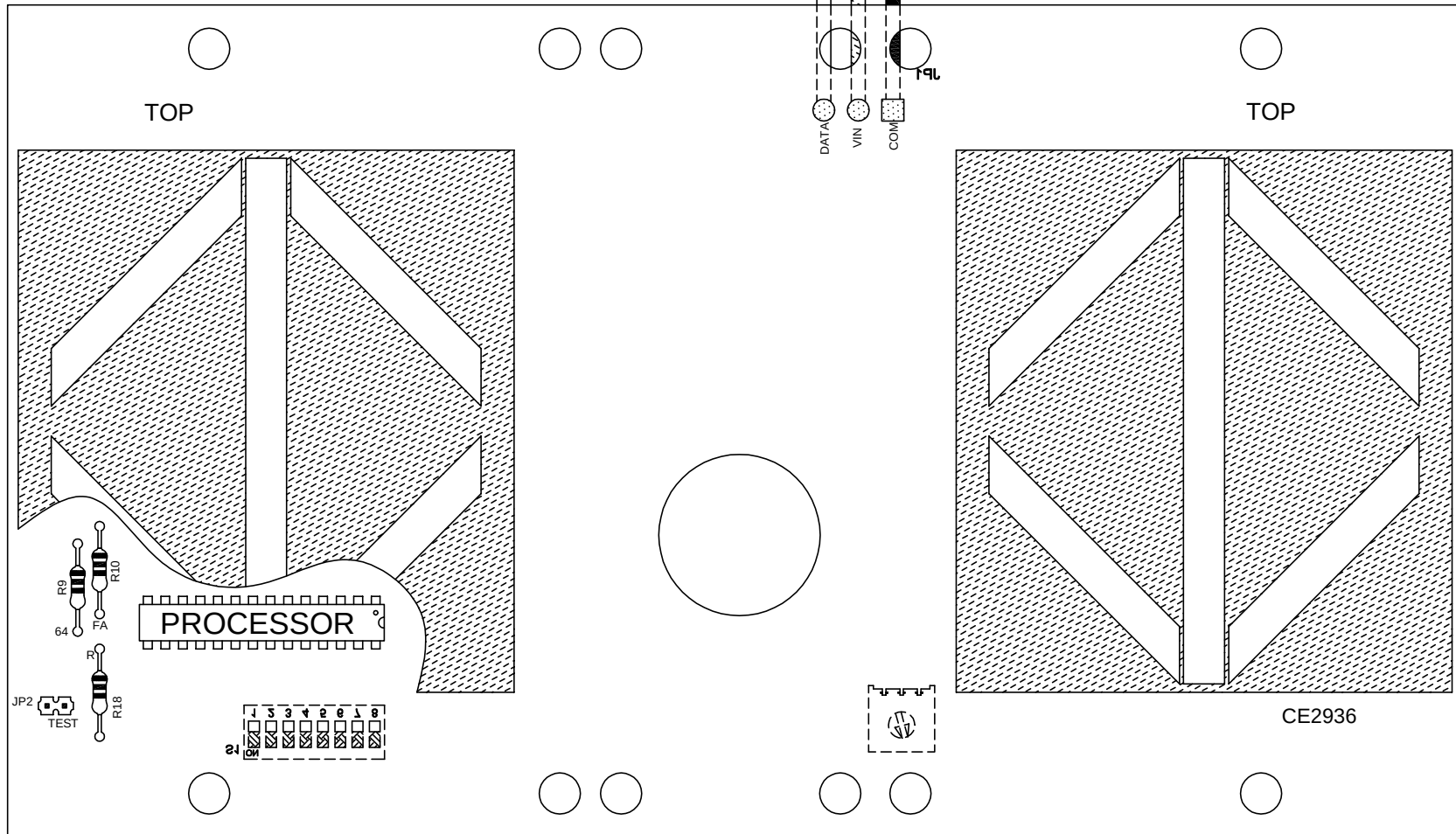
<BLANK> = BI-COLOR ARROW

# GTDH-M

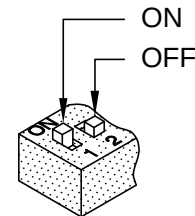
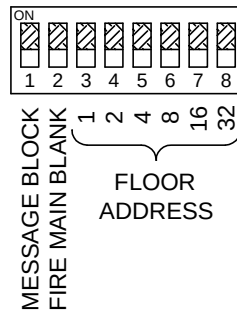
MICRO COMM  
INPUT

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

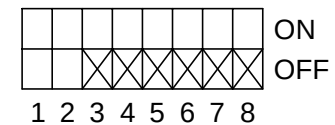
JOB# \_\_\_\_\_



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



## DEFAULT SETTINGS



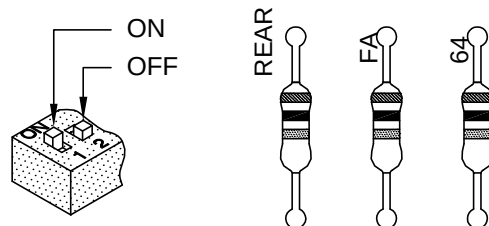
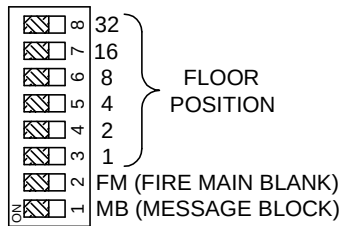
CODE VERSION \_\_\_\_\_

BOARD VERSION CE2936 \_\_\_\_\_

|                         |                                |                       |                                                                                                                                                                              |
|-------------------------|--------------------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DATE DRAWN:<br>06/09/04 | DRAWN BY:<br>K.L.S.            | REQUESTED BY:<br>D.C. |  C.E. ELECTRONICS, INC.<br>2107 Industrial Drive<br>Bryan, Ohio 43506<br>(419) 636-6705 |
| BOARD NUMBER:<br>2936   | LAST DATE REVISED:<br>09/16/09 | APPROVED BY:          |                                                                                                                                                                              |
| PRODUCT<br>GTDH-M       |                                |                       |                                                                                                                                                                              |
| DWG. NO.<br>GTDH-M-01   |                                |                       |                                                                                                                                                                              |
|                         |                                |                       | REV:<br>C                                                                                                                                                                    |

REV:  
C

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

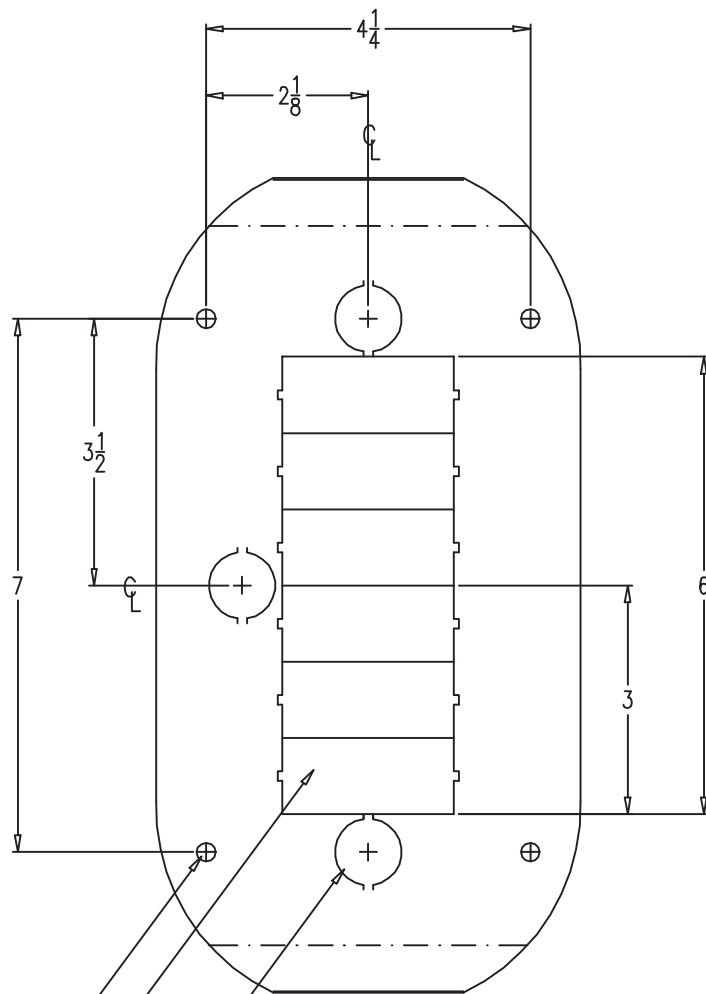


## Discrete Wire Diagram

Black wire = Common

Brown wire = Up

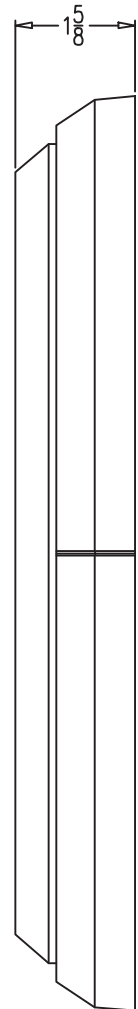
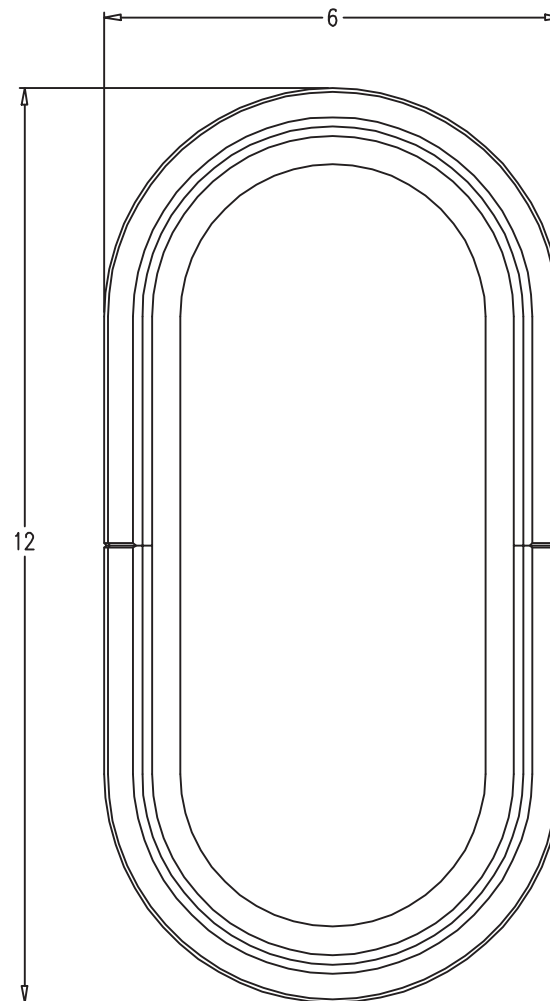
Red wire = Down



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

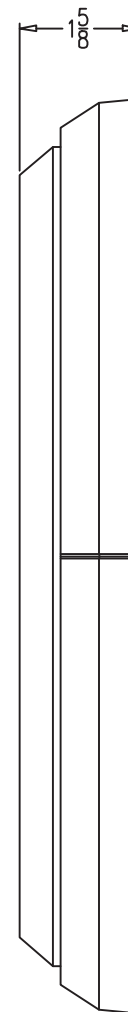
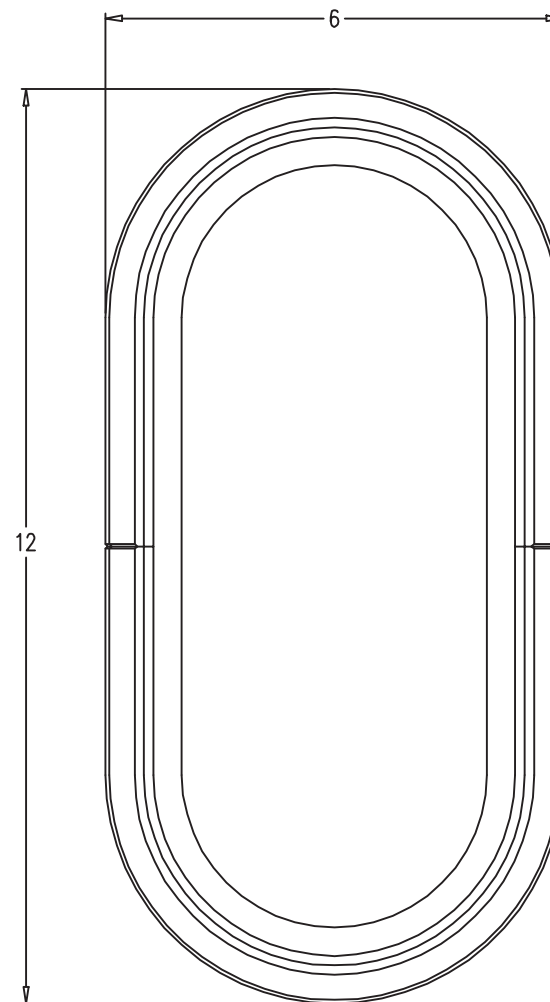
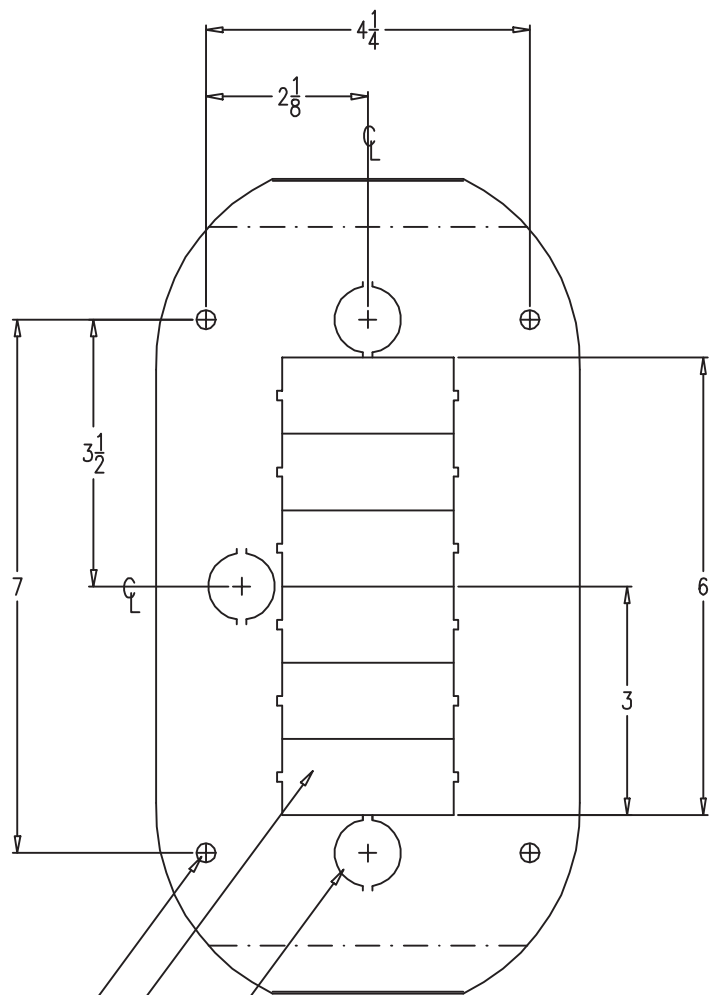
ACCESS PANEL  
2- $\frac{1}{4}$  x 1 KNOCKOUT

$\frac{1}{2}$  CONDUIT KNOCKOUT  
3 PLACES



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

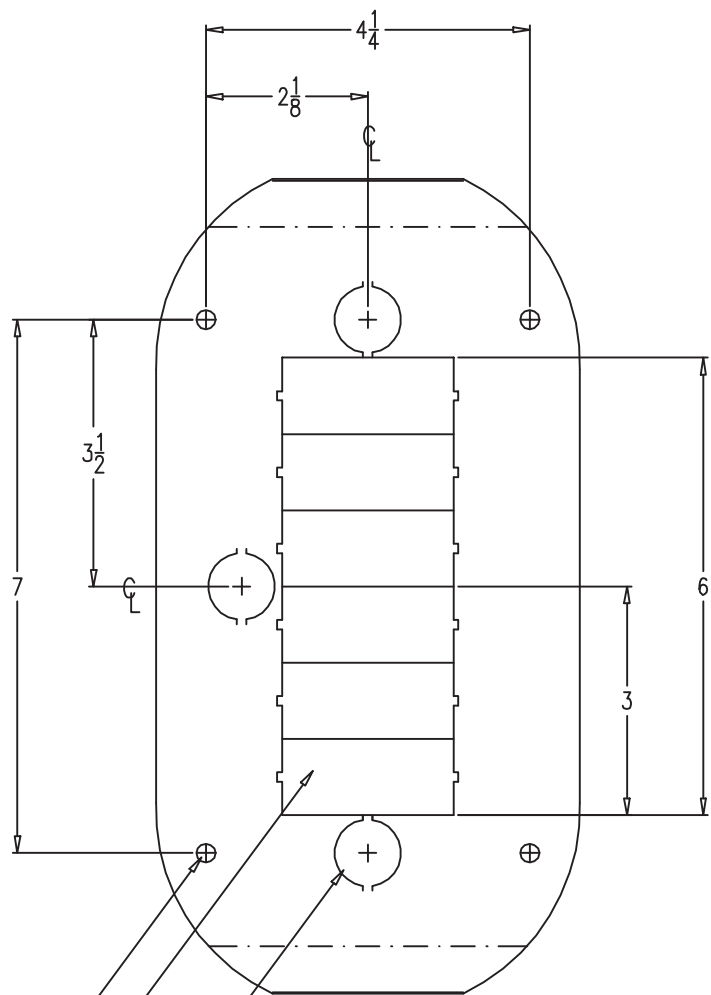
|                                        |                                                     |              |                                                                                                                                                                                     |
|----------------------------------------|----------------------------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



- 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:     |                |

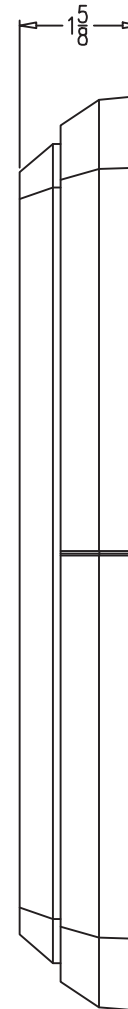
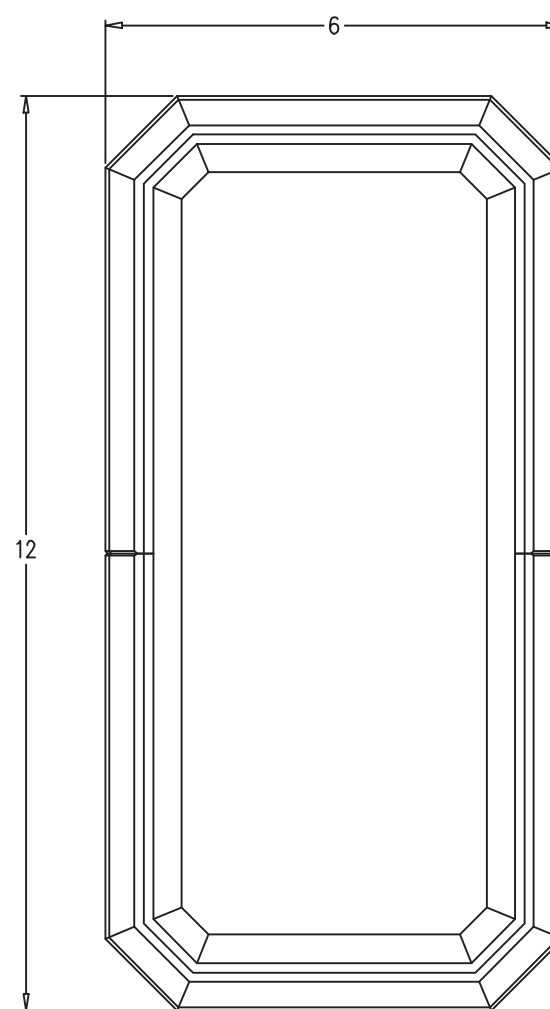
|                                         |                                                |              |                                                                                                                                                                                     |
|-----------------------------------------|-------------------------------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



Ø1/4 (.250) MOUNTING HOLES  
4 PLACES

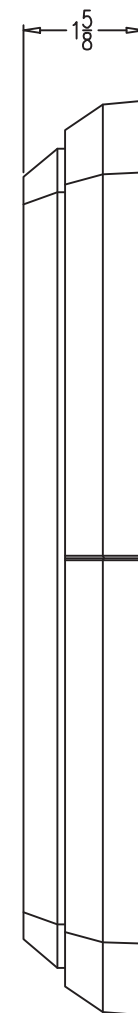
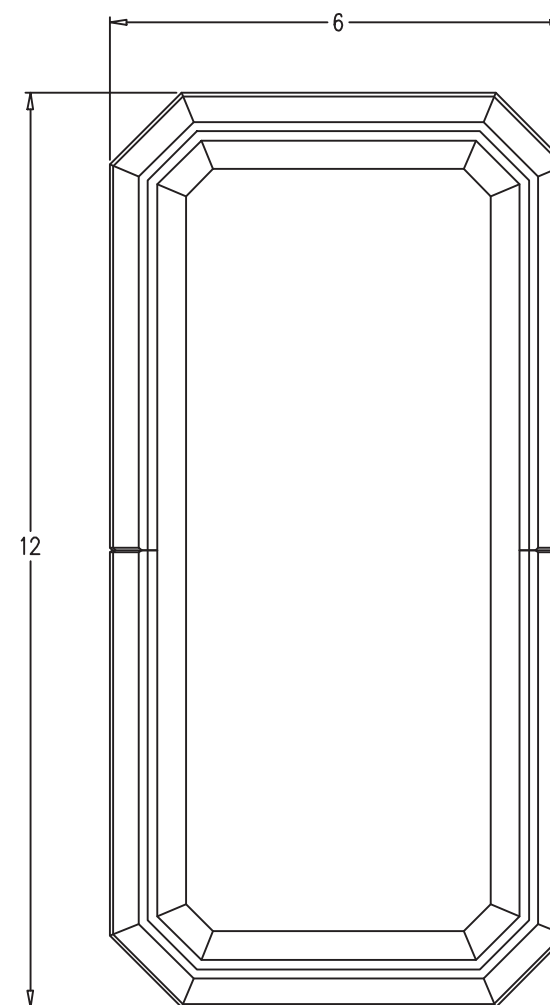
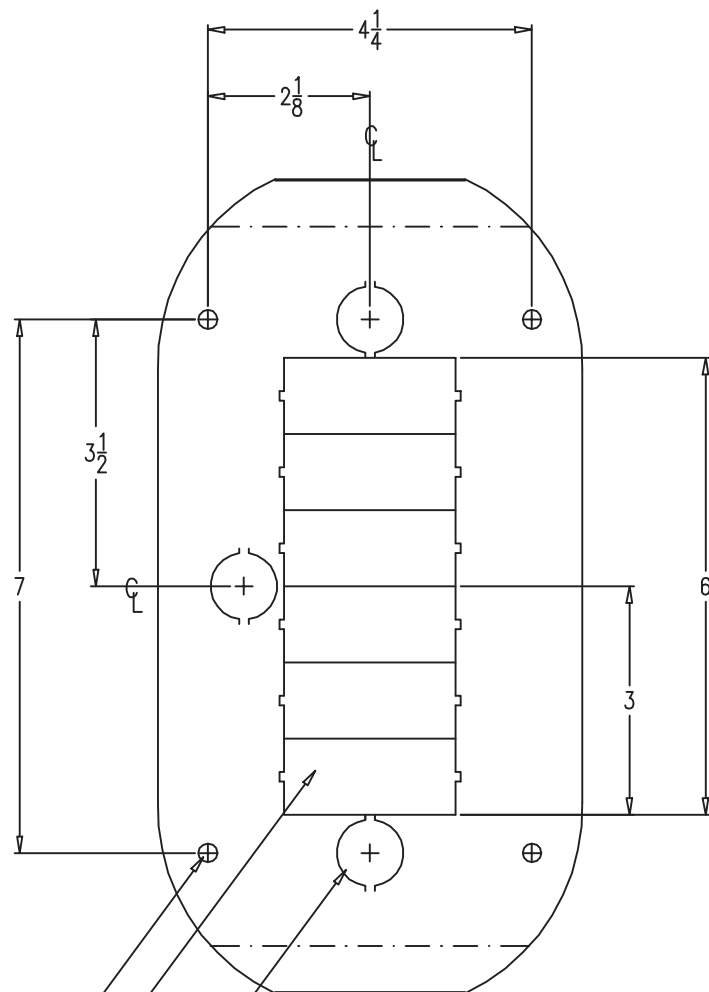
ACCESS PANEL  
2-1/4 x 1 KNOCKOUT

1/2 CONDUIT KNOCKOUT  
3 PLACES



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

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



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