

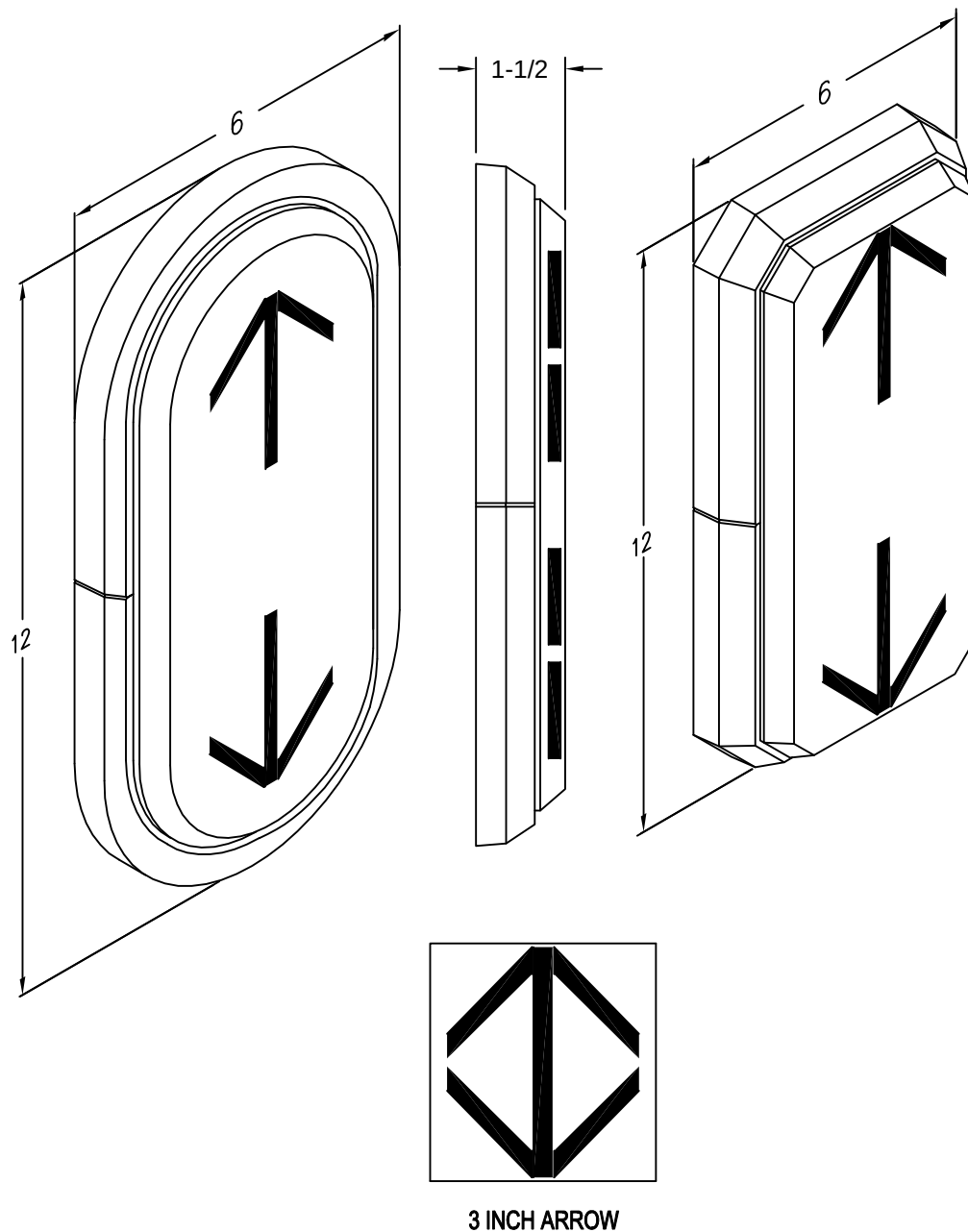


C.E. Electronics, Inc.  
2107 Industrial Drive  
Bryan, OH 43506  
PH (419) 636-6705 FX (419) 636-2516  
www.ccelectronics.com

# GTDV-OSXX

Ver. 6 Rel. 7/27/2015

OTIS®  
411 SERIES



## REMOTE DISPLAY INDICATOR "RDI"

Long life, solid state bi-color arrow for lanterns, 100,000 hour rated life. Accepts existing signals over the Otis serial RSL link. The unit consists of bi-color arrows which are green in the up direction and red in the down with matching side bars for 180° viewing. The unit is also equipped with an arrival gong.

### Typical Applications

- Hall and car lanterns

### Features

- Bi-color red & green 3 inch arrow with bi-color side bars or solid blue or solid white or solid green 3 inch arrow with solid color side bar
- Red down/green up or solid blue, solid white, solid green side bar
- 180° viewing angle lantern
- 1 year factory warranty
- Conforms to ADAAG 4.10.4
- Includes gong
- Otis RSL input
- ECA

TO ORDER - SPECIFY GTDV - OSXX

### SIGNAL VOLTAGE:

"OS" = OTIS SERIAL ONLY

### 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

# GTDV-OS

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

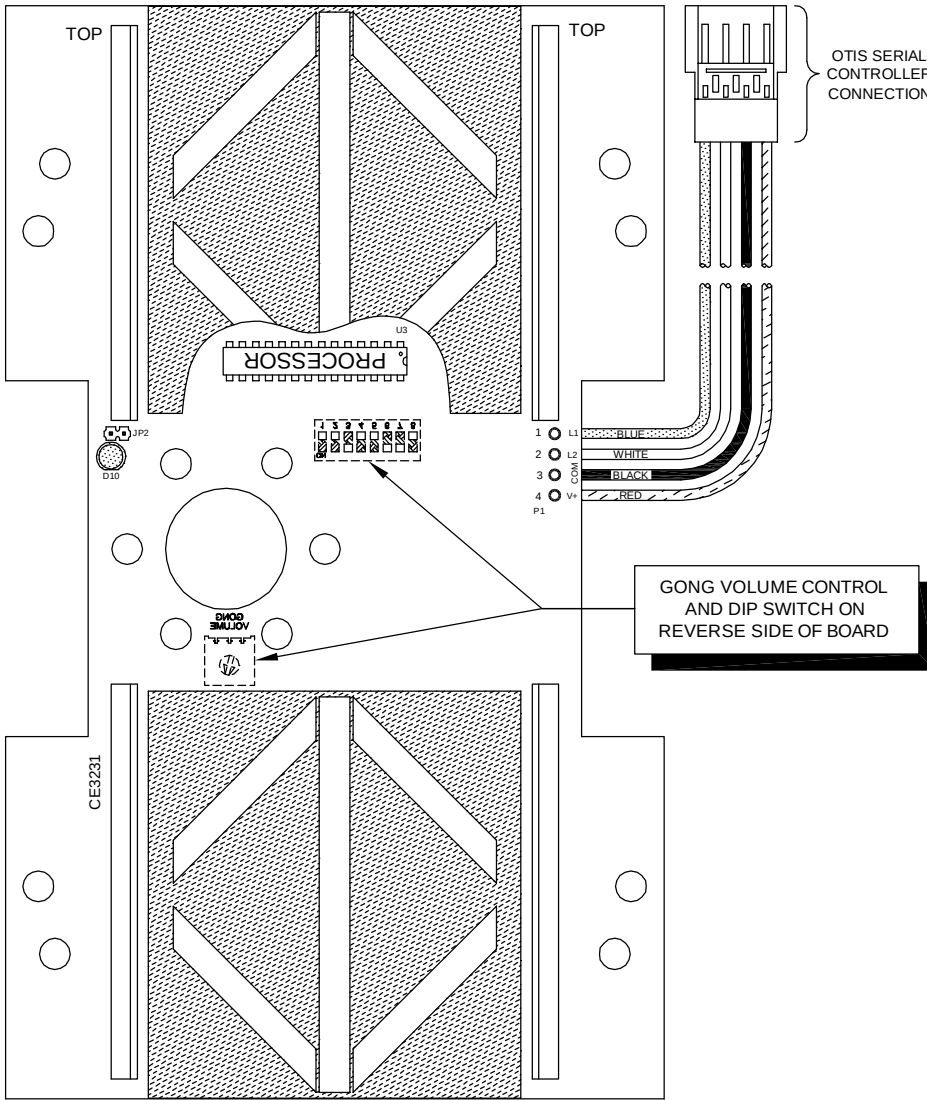
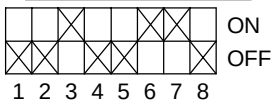


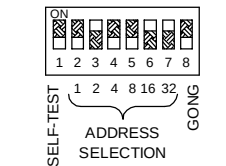
CHART TO SELECT ADDRESS WITH DIP SWITCH

| 32  | 16  | 8   | 4   | 2   | 1   | VALUE       |
|-----|-----|-----|-----|-----|-----|-------------|
| DS7 | DS6 | DS5 | DS4 | DS3 | DS2 | ADDRESS     |
| 0   | 0   | 0   | 0   | 0   | 0   | INVALID     |
| 0   | 0   | 0   | 0   | 0   | 0   | INVALID     |
| 0   | 0   | 0   | 0   | 0   | 0   | INVALID     |
| 0   | 0   | 0   | 0   | 0   | 0   | INVALID     |
| 0   | 0   | 0   | 1   | 0   | 0   | ADDRESS #4  |
| 0   | 0   | 0   | 1   | 0   | 1   | ADDRESS #5  |
| 0   | 0   | 0   | 1   | 1   | 0   | ADDRESS #6  |
| 0   | 0   | 0   | 1   | 1   | 1   | ADDRESS #7  |
| 0   | 0   | 1   | 0   | 0   | 0   | ADDRESS #8  |
| 0   | 0   | 1   | 0   | 0   | 1   | ADDRESS #9  |
| 0   | 0   | 1   | 0   | 1   | 0   | ADDRESS #10 |
| 0   | 0   | 1   | 0   | 1   | 1   | ADDRESS #11 |
| 0   | 0   | 1   | 1   | 0   | 0   | ADDRESS #12 |
| 0   | 0   | 1   | 1   | 0   | 1   | ADDRESS #13 |
| 0   | 0   | 1   | 1   | 1   | 0   | ADDRESS #14 |
| 0   | 0   | 1   | 1   | 1   | 1   | ADDRESS #15 |
| 0   | 1   | 0   | 0   | 0   | 0   | ADDRESS #16 |
| 0   | 1   | 0   | 0   | 0   | 1   | ADDRESS #17 |
| 0   | 1   | 0   | 0   | 1   | 0   | ADDRESS #18 |
| 0   | 1   | 0   | 0   | 1   | 1   | ADDRESS #19 |
| 0   | 1   | 0   | 1   | 0   | 0   | ADDRESS #20 |
| 0   | 1   | 0   | 1   | 0   | 1   | ADDRESS #21 |
| 0   | 1   | 0   | 1   | 1   | 0   | ADDRESS #22 |
| 0   | 1   | 0   | 1   | 1   | 1   | ADDRESS #23 |
| 0   | 1   | 1   | 0   | 0   | 0   | ADDRESS #24 |
| 0   | 1   | 1   | 0   | 0   | 1   | ADDRESS #25 |
| 0   | 1   | 1   | 0   | 1   | 0   | ADDRESS #26 |
| 0   | 1   | 1   | 0   | 1   | 1   | ADDRESS #27 |
| 0   | 1   | 1   | 1   | 0   | 0   | ADDRESS #28 |
| 0   | 1   | 1   | 1   | 0   | 1   | ADDRESS #29 |
| 0   | 1   | 1   | 1   | 1   | 0   | ADDRESS #30 |
| 0   | 1   | 1   | 1   | 1   | 1   | ADDRESS #31 |
| 1   | 0   | 0   | 0   | 0   | 0   | ADDRESS #32 |
| 1   | 0   | 0   | 0   | 0   | 1   | ADDRESS #33 |
| 1   | 0   | 0   | 0   | 1   | 0   | ADDRESS #34 |
| 1   | 0   | 0   | 0   | 1   | 1   | ADDRESS #35 |
| 1   | 0   | 0   | 1   | 0   | 0   | ADDRESS #36 |
| 1   | 0   | 0   | 1   | 0   | 1   | ADDRESS #37 |
| 1   | 0   | 0   | 1   | 1   | 0   | ADDRESS #38 |
| 1   | 0   | 0   | 1   | 1   | 1   | ADDRESS #39 |
| 1   | 0   | 1   | 0   | 0   | 0   | ADDRESS #40 |
| 1   | 0   | 1   | 0   | 0   | 1   | ADDRESS #41 |
| 1   | 0   | 1   | 0   | 1   | 0   | ADDRESS #42 |
| 1   | 0   | 1   | 0   | 1   | 1   | ADDRESS #43 |
| 1   | 0   | 1   | 1   | 0   | 0   | ADDRESS #44 |
| 1   | 0   | 1   | 1   | 0   | 1   | ADDRESS #45 |
| 1   | 0   | 1   | 1   | 1   | 0   | ADDRESS #46 |
| 1   | 0   | 1   | 1   | 1   | 1   | ADDRESS #47 |
| 1   | 1   | 0   | 0   | 0   | 0   | ADDRESS #48 |
| 1   | 1   | 0   | 0   | 0   | 1   | ADDRESS #49 |
| 1   | 1   | 0   | 0   | 1   | 0   | ADDRESS #50 |
| 1   | 1   | 0   | 0   | 1   | 1   | ADDRESS #51 |
| 1   | 1   | 0   | 1   | 0   | 0   | ADDRESS #52 |
| 1   | 1   | 0   | 1   | 0   | 1   | ADDRESS #53 |
| 1   | 1   | 0   | 1   | 1   | 0   | ADDRESS #54 |
| 1   | 1   | 0   | 1   | 1   | 1   | ADDRESS #55 |
| 1   | 1   | 1   | 0   | 0   | 0   | ADDRESS #56 |
| 1   | 1   | 1   | 0   | 0   | 1   | ADDRESS #57 |
| 1   | 1   | 1   | 0   | 1   | 0   | ADDRESS #58 |
| 1   | 1   | 1   | 0   | 1   | 1   | ADDRESS #59 |
| 1   | 1   | 1   | 1   | 0   | 0   | ADDRESS #60 |
| 1   | 1   | 1   | 1   | 0   | 1   | ADDRESS #61 |
| 1   | 1   | 1   | 1   | 1   | 0   | ADDRESS #62 |
| 1   | 1   | 1   | 1   | 1   | 1   | ADDRESS #63 |

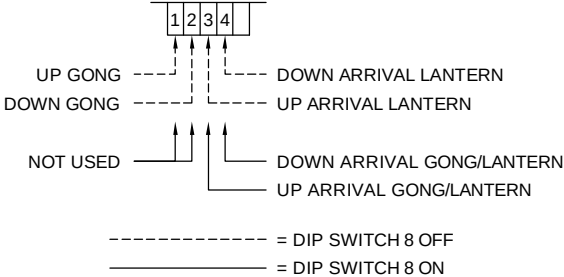
## DEFAULT SETTINGS



## DIP SWITCH DETAIL



## DATA BITS



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

BOARD VERSION CE3231 \_\_\_\_\_

| DIP1 | DIP8 | FUNCTION                                            |
|------|------|-----------------------------------------------------|
| 1    | X    | SELF-TEST MODE                                      |
| 0    | 0    | GONG USES BIT 1 UP (SINGLE) AND BIT 2 DOWN (DOUBLE) |
| 0    | 1    | GONG USES BIT 3 UP AND BIT 4 DOWN (BOTH SINGLE)     |

The following Otis data must be furnished at the specified addresses for the Otis Serial Lantern to work properly. The address is selected by setting DIP switches 2-7 as shown on the back of this page. The board reads the address determined by the DIP switch setting. For example, if the DIP switch is set to address 50, the board will read the bits at address 50.

At DIP switch address - selected by the DIP switch setting on the unit (Default 50):

DIP switch 1 puts the unit in self-test mode.

DIP switch 1 and DIP switch 8 *OFF*:

- Bit 1 - Up Gong (Single)
- Bit 2 - Down Gong (Double)
- Bit 3 - Up Arrival Arrow/Lantern
- Bit 4 - Down Arrival Arrow/Lantern

DIP switch 1 *OFF* and DIP switch 8 *ON*:

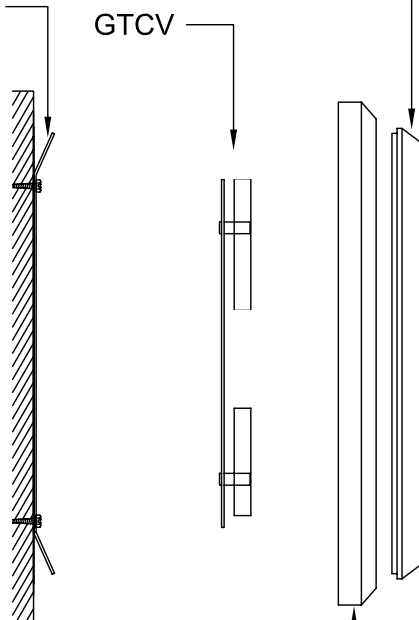
- Bit 1 - Not Used
- Bit 2 - Not Used
- Bit 3 - Up Arrival Arrow/Lantern and Up Gong (Single)
- Bit 4 - Down Arrival Arrow/Lantern and Down Gong (Single)

NOTE: ECA function is not available with this unit.

MOUNTING BRACKET  
FOR COVER

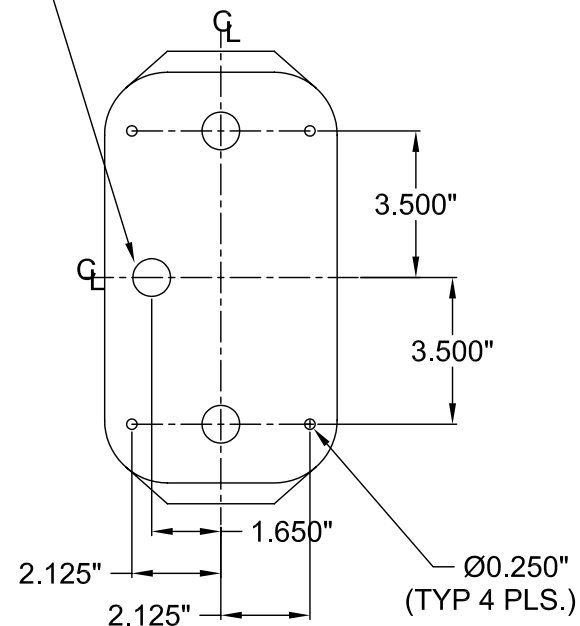
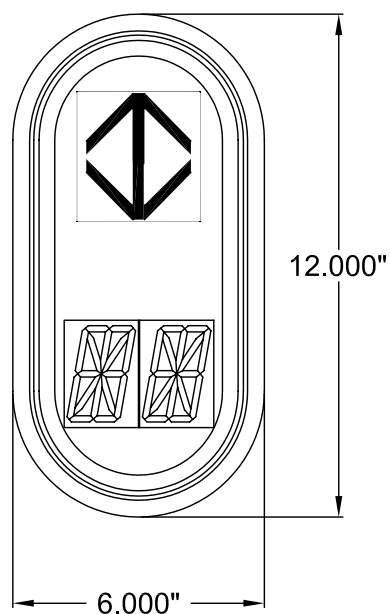
GTCV

LENS



#4 STAINLESS STEEL COVER

REF. 0.875" DIA  
(1/2" KNOCKOUT)  
(TYP. 3 PLS.)



## CUT-OUT & MTG. DETAIL

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

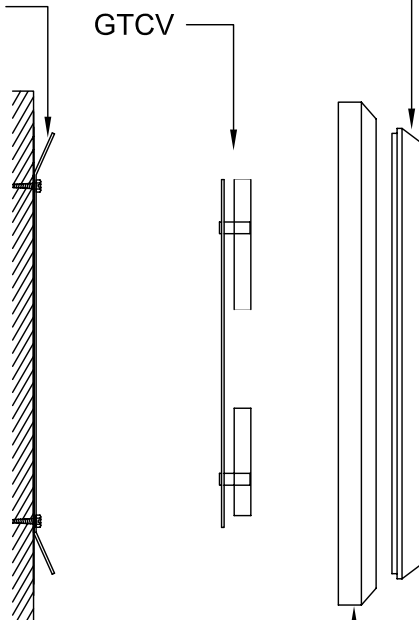
|                                               |                                                        |               |                      |
|-----------------------------------------------|--------------------------------------------------------|---------------|----------------------|
| DATE DRAWN:<br>03/13/03                       | LAST DATE REVISED                                      | SCALE<br>NONE | PART #:              |
| DRAWN BY:<br>K.L.S.                           | TOLERANCE UNLESS OTHERWISE SPECIFIED:<br>+0.015,-0.015 |               |                      |
| REQUESTED BY:<br>C.S.                         | TOLERANCE FOR CUTOUT (WINDOW):<br>+0.020,-0.000        |               |                      |
| TITLE:<br>VERTICAL OVAL SURFACE MOUNT FIXTURE |                                                        |               | DWG. NO.<br>70100032 |
|                                               |                                                        |               | REV:                 |

**C.E. ELECTRONICS, INC.**  
2107 Industrial Drive  
Bryan, Ohio 43506  
(419) 636-6705

MOUNTING BRACKET  
FOR COVER

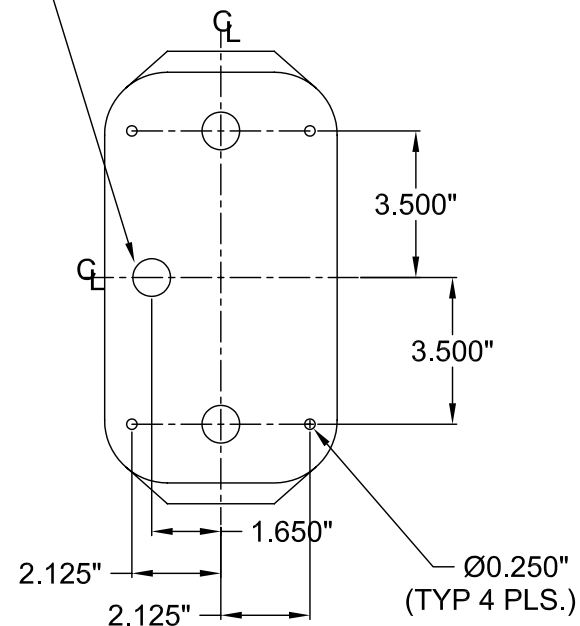
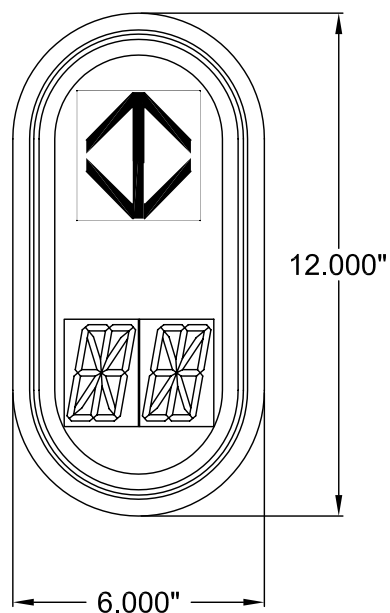
GTCV

LENS



#8 MIRRORED STAINLESS STEEL COVER

REF. 0.875" DIA  
(1/2" KNOCKOUT)  
(TYP. 3 PLS.)



## CUT-OUT & MTG. DETAIL

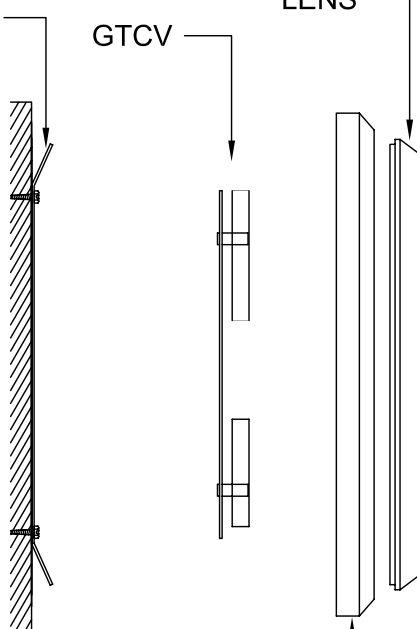
|                  |                |
|------------------|----------------|
| LENS NUMBER:     | BOARD # & REV: |
| APPROVED BY:     |                |
| Signature: _____ |                |
| Date: _____      |                |
| Company: _____   |                |

|                                               |                                                        |               |                                                                                               |
|-----------------------------------------------|--------------------------------------------------------|---------------|-----------------------------------------------------------------------------------------------|
| DATE DRAWN:<br>03/13/03                       | LAST DATE REVISED                                      | SCALE<br>NONE | PART #:                                                                                       |
| DRAWN BY:<br>K.L.S.                           | TOLERANCE UNLESS OTHERWISE SPECIFIED:<br>+0.015,-0.015 |               | <b>C.E. ELECTRONICS, INC.</b><br>2107 Industrial Drive<br>Bryan, Ohio 43506<br>(419) 636-6705 |
| REQUESTED BY:<br>C.S.                         | TOLERANCE FOR CUTOUT (WINDOW):<br>+0.020,-0.000        |               |                                                                                               |
| TITLE:<br>VERTICAL OVAL SURFACE MOUNT FIXTURE |                                                        |               | DWG. NO.<br>70100033<br>REV:                                                                  |

MOUNTING BRACKET  
FOR COVER

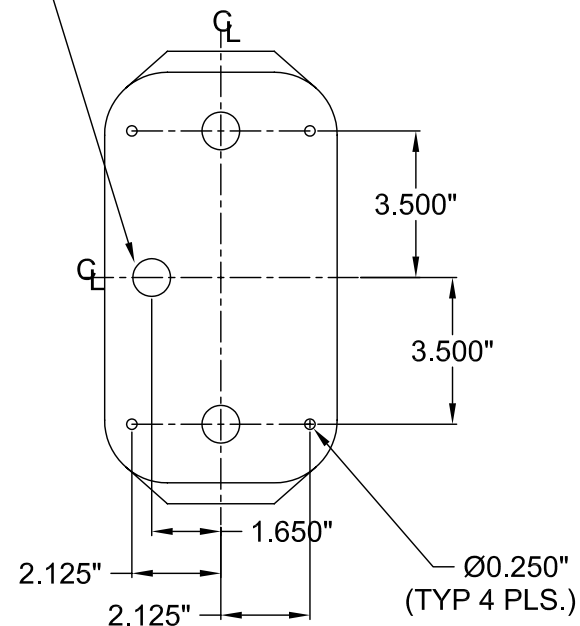
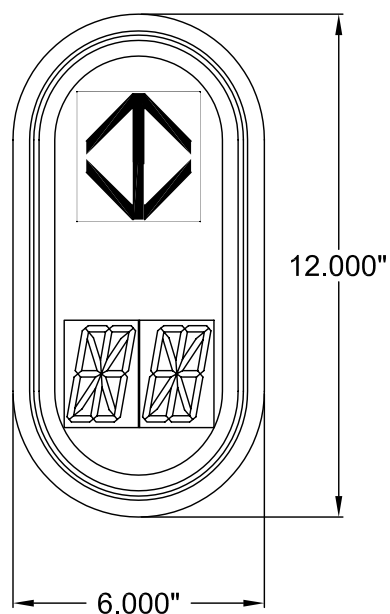
GTCV

LENS



#4 MUNTZ COVER

REF. 0.875" DIA  
(1/2" KNOCKOUT)  
(TYP. 3 PLS.)



## CUT-OUT & MTG. DETAIL

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

|                                               |                                                        |               |                                                                                                                                                                                     |
|-----------------------------------------------|--------------------------------------------------------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DATE DRAWN:<br>03/13/03                       | LAST DATE REVISED                                      | SCALE<br>NONE | PART #:                                                                                                                                                                             |
| DRAWN BY:<br>K.L.S.                           | TOLERANCE UNLESS OTHERWISE SPECIFIED:<br>+0.015,-0.015 |               |  <b>C.E. ELECTRONICS, INC.</b><br>2107 Industrial Drive<br>Bryan, Ohio 43506<br>(419) 636-6705 |
| REQUESTED BY:<br>C.S.                         | TOLERANCE FOR CUTOUT (WINDOW):<br>+0.020,-0.000        |               |                                                                                                                                                                                     |
| TITLE:<br>VERTICAL OVAL SURFACE MOUNT FIXTURE |                                                        |               | DWG. NO.<br>70100034<br>REV:                                                                                                                                                        |

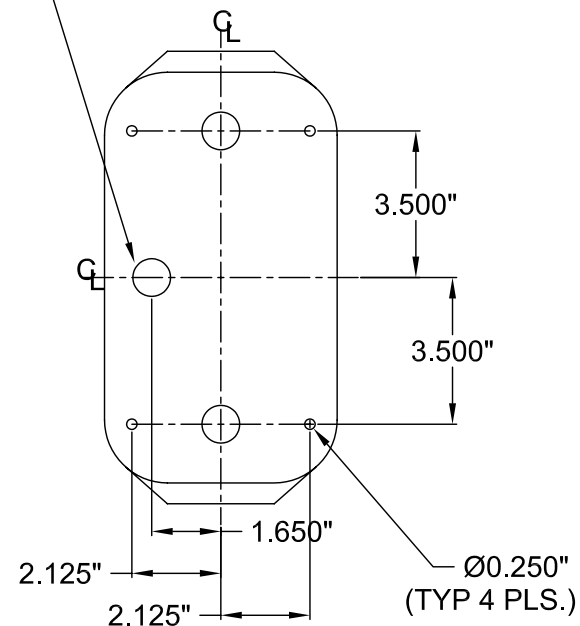
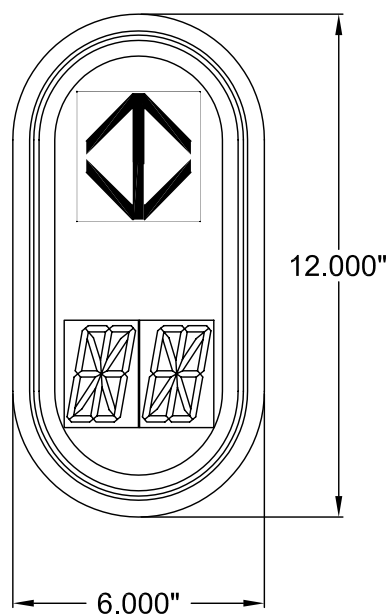
MOUNTING BRACKET  
FOR COVER

GTCV

LENS

#8 MIRRORED MUNTZ

REF. 0.875" DIA  
(1/2" KNOCKOUT)  
(TYP. 3 PLS.)



## CUT-OUT & MTG. DETAIL

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

|                                               |                                                        |               |                                                                                                                                                                                     |
|-----------------------------------------------|--------------------------------------------------------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DATE DRAWN:<br>03/13/03                       | LAST DATE REVISED                                      | SCALE<br>NONE | PART #:                                                                                                                                                                             |
| DRAWN BY:<br>K.L.S.                           | TOLERANCE UNLESS OTHERWISE SPECIFIED:<br>+0.015,-0.015 |               |  <b>C.E. ELECTRONICS, INC.</b><br>2107 Industrial Drive<br>Bryan, Ohio 43506<br>(419) 636-6705 |
| REQUESTED BY:<br>C.S.                         | TOLERANCE FOR CUTOUT (WINDOW):<br>+0.020,-0.000        |               |                                                                                                                                                                                     |
| TITLE:<br>VERTICAL OVAL SURFACE MOUNT FIXTURE |                                                        |               | DWG. NO.<br>70100035<br>REV:                                                                                                                                                        |