

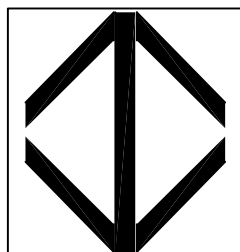
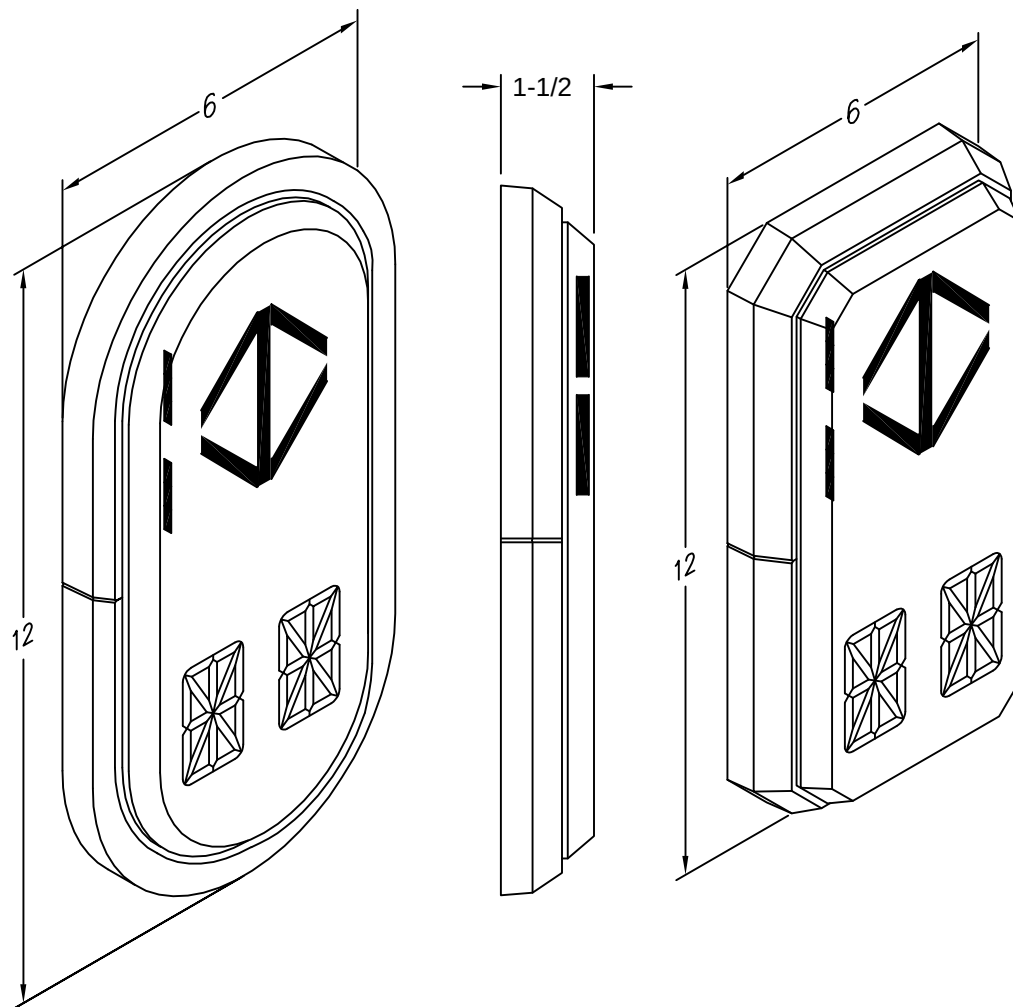


C.E. Electronics, Inc.
2107 Industrial Drive
Bryan, OH 43506
PH (419) 636-6705 FX (419) 636-2516
www.ccelectronics.com

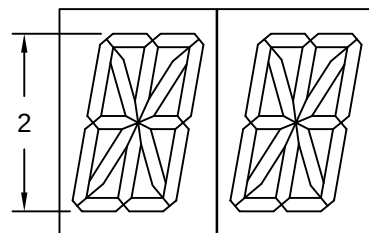
GTCV-OSXX

Ver. 6 Rel. 7/27/2015

OTIS®
411 SERIES



3 INCH ARROW



2 INCH CHARACTERS

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 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, green or white arrows with matching side bars for 180° viewing. The unit is also equipped with an arrival gong.

Typical Applications

- Hall and car lanterns
- P.I. combo w/180° Viewing angle

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 side bar
- 2 inch characters in red, blue, white, or green color
- 180° viewing angle lantern
- 1 year factory warranty
- Conforms to ADAAG 4.10.4
- Includes gong

TO ORDER - SPECIFY GTCV - OSXX

SIGNAL VOLTAGE:
"OS" = OTIS SERIAL ONLY

METAL CHOICE:

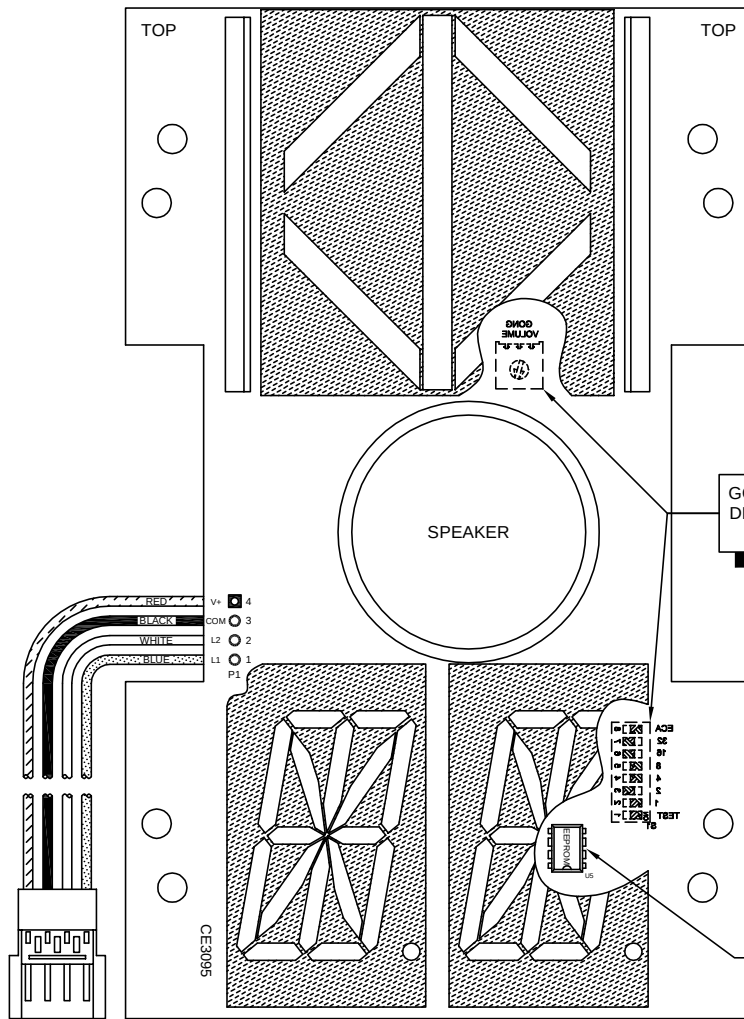
"A" = STAINLESS STEEL SATIN OVAL
"B" = STAINLESS STEEL CHROME OVAL
"C" = STAINLESS STEEL SATIN RECTANGLE CHAMFERED
"D" = STAINLESS STEEL CHROME RECTANGLE CHAMFERED
"X" = NO METAL
★ For additional finishes, contact factory

COLOR:

"B" = BLUE ARROW, BLUE DIGITS
"W" = WHITE ARROW, WHITE DIGITS
"G" = GREEN ARROW, GREEN DIGITS
<BLANK> = BI-COLOR ARROW, RED DIGITS

GTCV-OS

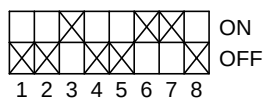
JOB# _____



GONG VOLUME CONTROL AND DIP SWITCH ARE LOCATED ON THE BACK OF THE BOARD.

EEPROM IS USED TO DISPLAY DIFFERENT CHARACTERS THAN ARE RECEIVED. USE "OCDL.EXE" PROGRAM TO CREATE EEPROM DATA.

DEFAULT SETTINGS



CODE VERSION _____

BOARD VERSION CE3095 _____

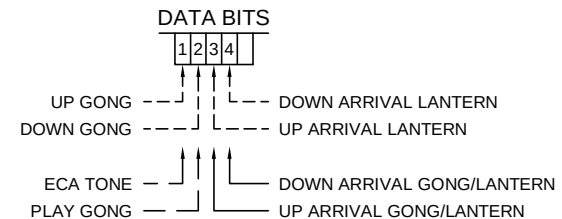
DIP SWITCH DETAIL



DIP1	DIP8	FUNCTION
1	0	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)
1	1	ECA MODE

CHART TO SELECT ADDRESS WITH DIP SWITCH

VALUE	32	16	8	4	2	1	
DIP SWITCH #	7	6	5	4	3	2	ADDRESS
0	0	0	0	0	0	0	INVALID
0	0	0	0	0	0	0	INVALID
0	0	0	0	0	0	0	INVALID
0	0	0	0	0	0	0	INVALID
0	0	0	1	0	0	0	ADDRESS #4
0	0	0	1	0	1	0	ADDRESS #5
0	0	0	1	1	0	0	ADDRESS #6
0	0	0	1	1	1	0	ADDRESS #7
0	0	1	0	0	0	0	ADDRESS #8
0	0	1	0	0	1	0	ADDRESS #9
0	0	1	0	1	0	0	ADDRESS #10
0	0	1	0	1	1	0	ADDRESS #11
0	0	1	1	0	0	0	ADDRESS #12
0	0	1	1	0	1	0	ADDRESS #13
0	0	1	1	1	0	0	ADDRESS #14
0	0	1	1	1	1	0	ADDRESS #15
0	1	0	0	0	0	0	ADDRESS #16
0	1	0	0	0	1	0	ADDRESS #17
0	1	0	0	1	0	0	ADDRESS #18
0	1	0	0	1	1	0	ADDRESS #19
0	1	0	1	0	0	0	ADDRESS #20
0	1	0	1	0	1	0	ADDRESS #21
0	1	0	1	1	0	0	ADDRESS #22
0	1	0	1	1	1	0	ADDRESS #23
0	1	1	0	0	0	0	ADDRESS #24
0	1	1	0	0	1	0	ADDRESS #25
0	1	1	0	1	0	0	ADDRESS #26
0	1	1	0	1	1	0	ADDRESS #27
0	1	1	1	0	0	0	ADDRESS #28
0	1	1	1	0	1	0	ADDRESS #29
0	1	1	1	1	0	0	ADDRESS #30
0	1	1	1	1	1	0	ADDRESS #31
1	0	0	0	0	0	0	ADDRESS #32
1	0	0	0	0	0	1	ADDRESS #33
1	0	0	0	0	1	0	ADDRESS #34
1	0	0	0	0	1	1	ADDRESS #35
1	0	0	0	1	0	0	ADDRESS #36
1	0	0	0	1	0	1	ADDRESS #37
1	0	0	0	1	1	0	ADDRESS #38
1	0	0	0	1	1	1	ADDRESS #39
1	0	1	0	0	0	0	ADDRESS #40
1	0	1	0	0	0	1	ADDRESS #41
1	0	1	0	1	0	0	ADDRESS #42
1	0	1	0	1	0	1	ADDRESS #43
1	0	1	1	0	0	0	ADDRESS #44
1	0	1	1	0	1	0	ADDRESS #45
1	0	1	1	1	0	0	ADDRESS #46
1	0	1	1	1	1	0	ADDRESS #47
1	1	0	0	0	0	0	ADDRESS #48
1	1	0	0	0	1	0	ADDRESS #49
1	1	0	0	1	0	0	ADDRESS #50
1	1	0	0	1	1	0	ADDRESS #51
1	1	0	1	0	0	0	ADDRESS #52
1	1	0	1	0	1	0	ADDRESS #53
1	1	0	1	1	0	0	ADDRESS #54
1	1	0	1	1	1	0	ADDRESS #55
1	1	1	0	0	0	0	ADDRESS #56
1	1	1	0	0	1	0	ADDRESS #57
1	1	1	0	1	0	0	ADDRESS #58
1	1	1	0	1	1	0	ADDRESS #59
1	1	1	1	0	0	0	ADDRESS #60
1	1	1	1	0	1	0	ADDRESS #61
1	1	1	1	1	0	0	ADDRESS #62
1	1	1	1	1	1	0	ADDRESS #63



----- = DIP SWITCH 8 OFF
 _____ = DIP SWITCH 8 ON
 - - - - - = DIP SWITCH 1 AND 8 ON

DATE DRAWN: 05/12/03	DRAWN BY: K.L.S.	REQUESTED BY: D.C.	C.E. ELECTRONICS, INC. 2107 Industrial Drive Bryan, Ohio 43506 (419) 636-6705
BOARD NUMBER: 3095	LAST DATE REVISED: 04/25/07	APPROVED BY:	
PRODUCT GTCV-OS			
DWG. NO. GTCV-OS-01-A			

REV.
J

The following Otis data must be furnished at the specified addresses for the Otis Serial Indicator 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 on the unit (Default 50):

Normal Operation

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)

ECA Operation

DIP switches 1 and 8 *ON* puts the unit in ECA Mode:

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

The unit display can substitute different floor characters for the ones the controller sends, and it can switch between floor characters and ASCII characters for a message. To display alternative floor characters or messages, an EEPROM created using the *OCDL.EXE* program must be installed in the unit. Message characters alternate with floor characters every second.

Messages use the two addresses following the address set by the DIP switch.

DIP switch address +1 (Default 51): Priority

- | | | |
|-----------------|---------------------|---|
| Bit 1—FSL/RFSL | Fire Service Lamp | 1 |
| Bit 2—Available | Message Two | 2 |
| Bit 3—FNDG/RNDG | Front/Rear Nudging | 3 |
| Bit 4—ISCL | Independent Service | 4 |

DIP switch address +2 (Default 52):

- | | | |
|------------------|---------------|---|
| Bit 1—OLS | Overload Lamp | 5 |
| Bit 2— Available | Message Six | 6 |
| Bit 3— Available | Message Seven | 7 |
| Bit 4— Available | Message Eight | 8 |

NOTE: If messages are not programmed in the EEPROM, these two addresses are available for other devices, such as other position indicators.

The diagram illustrates the experimental setup for the GTCV. A laser beam enters from the top left, passes through a lens, and is focused onto the GTCV. The GTCV is a vertical tube with two horizontal sections. The beam is reflected by mirrors at the top and bottom of the tube. The GTCV is connected to a lens system on the right.

Technical drawing of a rectangular window with a height of 12.000" and a width of 6.000". The window features a central diamond-shaped mullion and two side-by-side diamond-shaped mullions. The drawing includes dimension lines and arrows indicating the measurements.

Technical drawing of a vertical cylindrical vessel with a hemispherical head and a conical bottom. The drawing shows a front elevation with a vertical centerline. Key dimensions include:

- Total height: 7.000" (two 3.500" segments)
- Diameter: 3.300"
- Bottom diameter: 2.125"
- Width of conical bottom: 1.650"
- Hole size: Ø0.250" (TYP 4 PLS.)
- Label: G_L

CUT-OUT & MTG. DETAIL

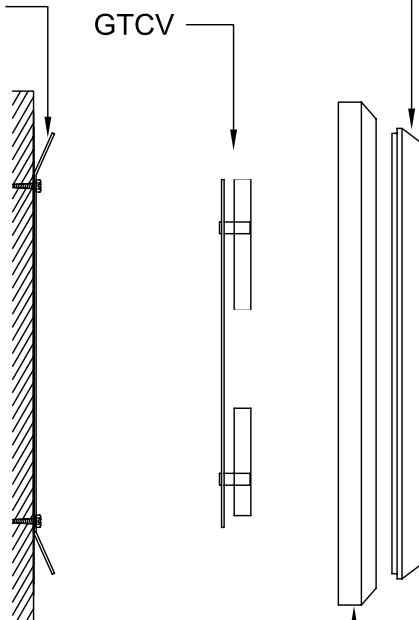
LENS NUMBER:	BOARD # & REV:
APPROVED BY:	
Signature: _____	
Date: _____	
Company: _____	

DATE DRAWN: 03/13/03	LAST DATE REVISED:	SCALE NONE	PART #:
DRAWN BY: K.L.S.	TOLERANCE UNLESS OTHERWISE SPECIFIED: +0.015, -0.015		 C.E. ELECTRONICS, INC. 2107 Industrial Drive Bryan, Ohio 43306 (419) 636-6705
REQUESTED BY: C.S.	TOLERANCE FOR CUTOFF (WINDOW): +0.020, -0.000		
TITLE: VERTICAL OVAL SURFACE MOUNT FIXTURE			DWG. NO. 70100032 REV:

MOUNTING BRACKET
FOR COVER

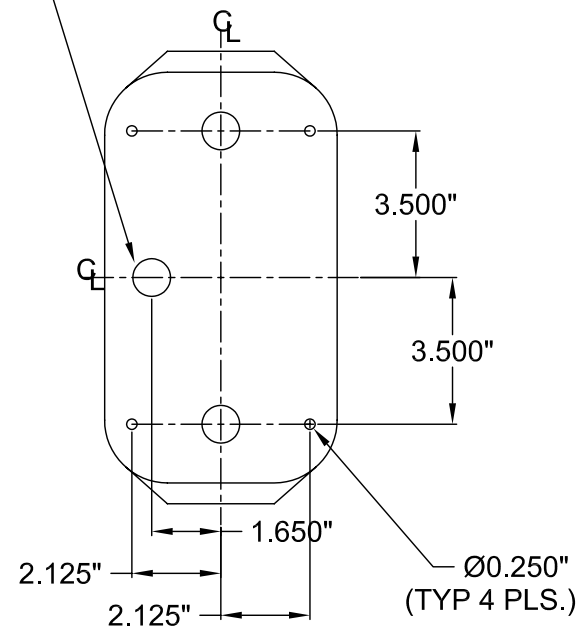
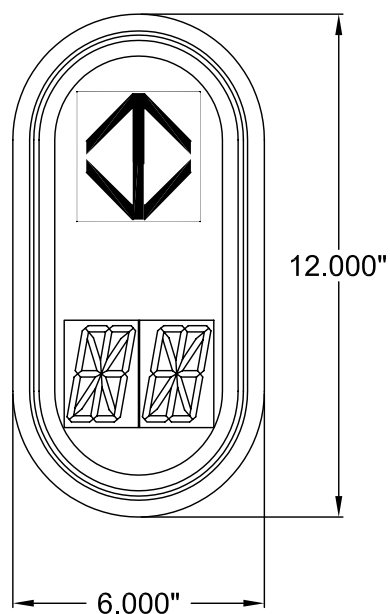
GTCV

LENS



#8 MIRRORED STAINLESS STEEL COVER

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



CUT-OUT & MTG. DETAIL

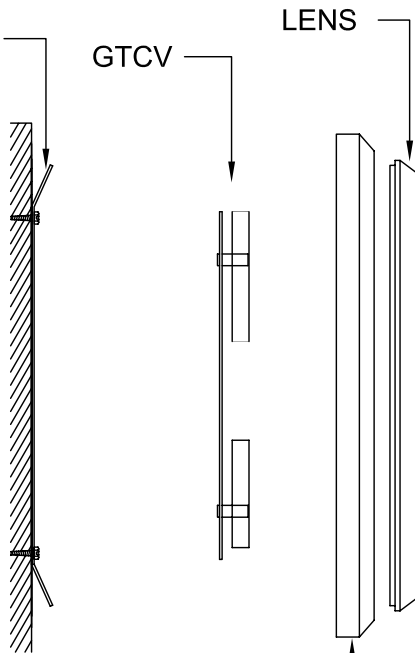
LENS NUMBER:	BOARD # & REV:
APPROVED BY:	
Signature: _____	
Date: _____	
Company: _____	

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

MOUNTING BRACKET
FOR COVER

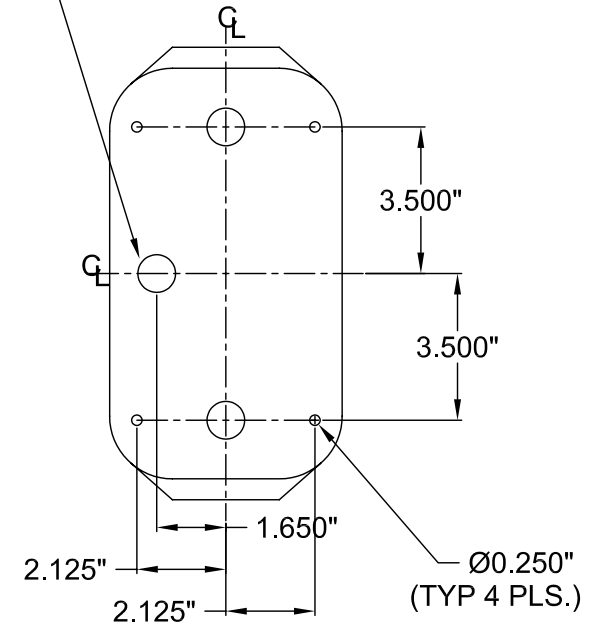
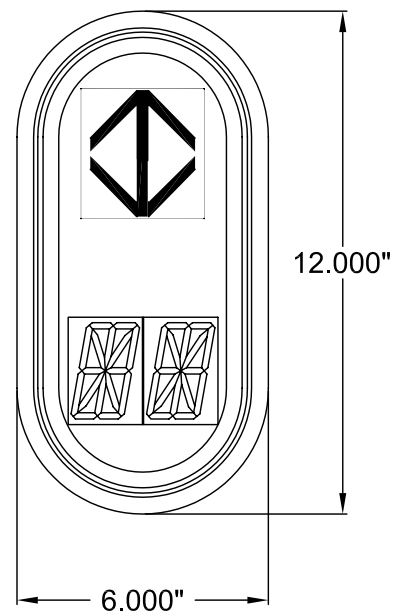
GTCV

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

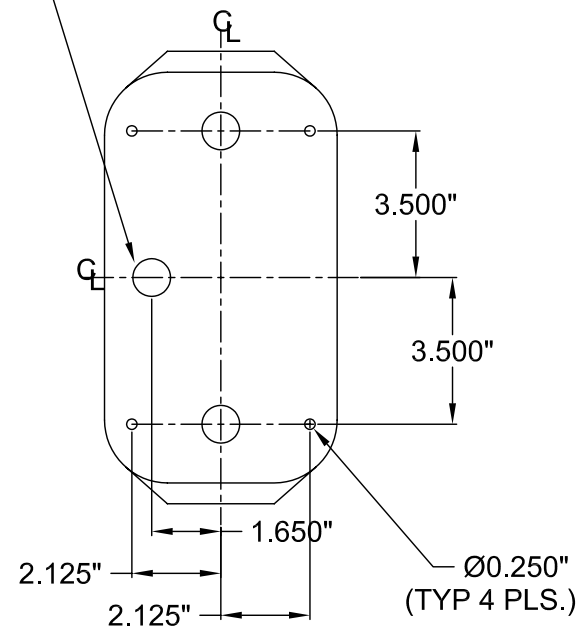
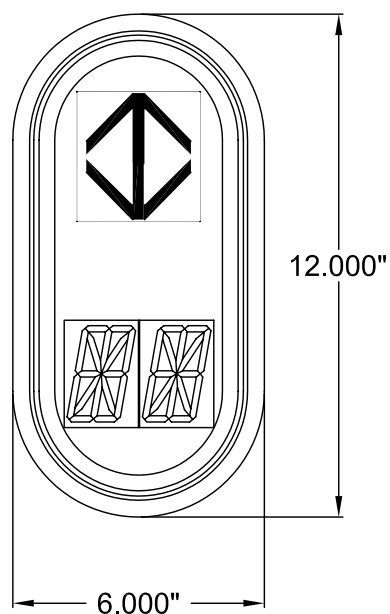
MOUNTING BRACKET
FOR COVER

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