

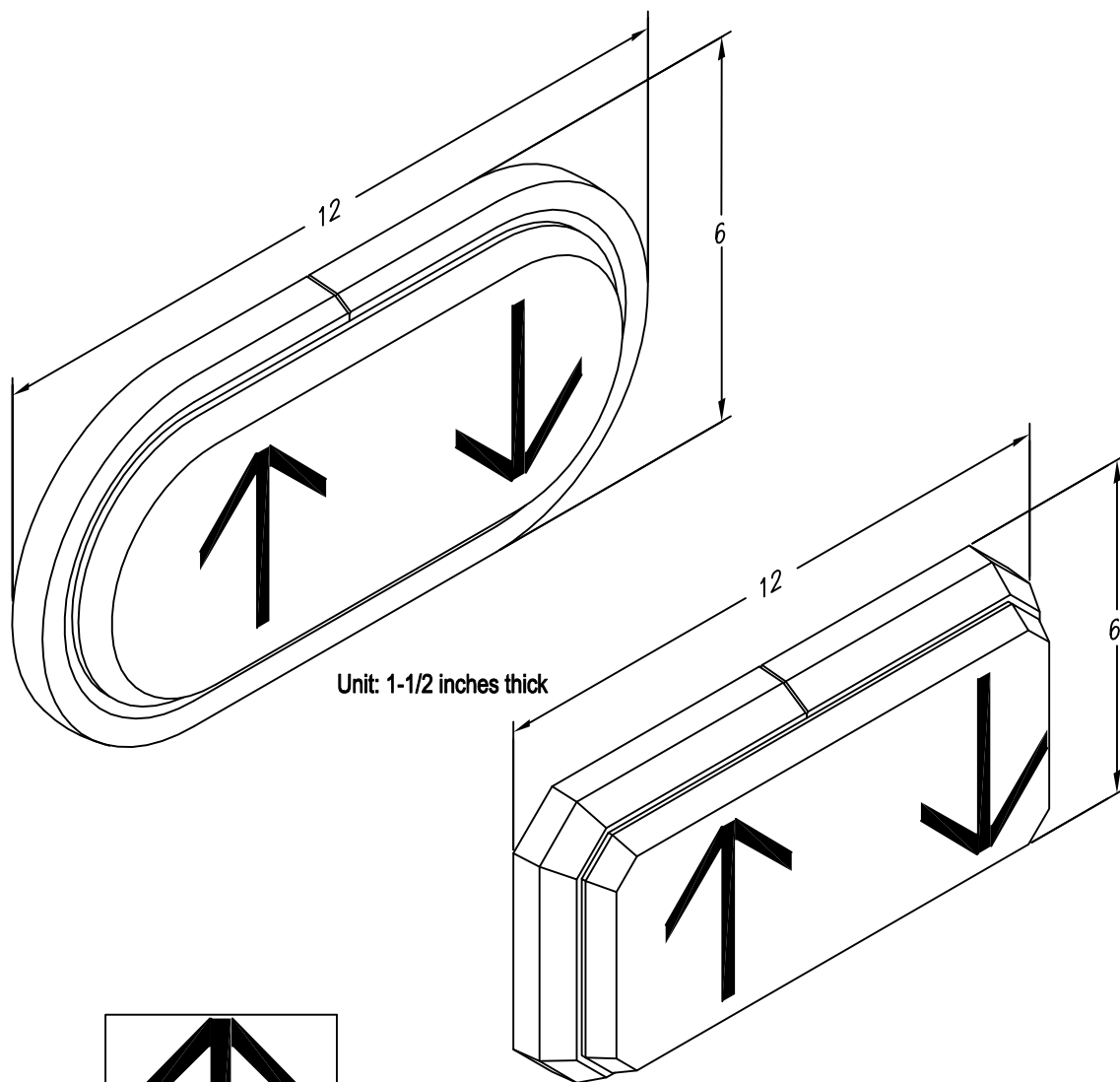


C.E. Electronics, Inc.
2107 Industrial Drive
Bryan, OH 43506
PH (419) 636-6705 FX (419) 636-2516
www.ccelectronics.com

GTDH-OSXX

Ver. 8 Rel. 7/27/2015

OTIS®
411 SERIES



Unit: 1-1/2 inches thick

3 INCH ARROW

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 direction or solid blue, white, or green arrows. The unit is also equipped with an arrival gong.

Typical Applications

- Hall and car lanterns

Features

- Bi-color red & green 3 inch arrow or solid blue or solid white or solid green 3 inch arrow
- All Blue, White, or Green
- 1 year factory warranty
- Includes gong
- Otis RSL input
- ECA

TO ORDER - SPECIFY GTDH - O S X X

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

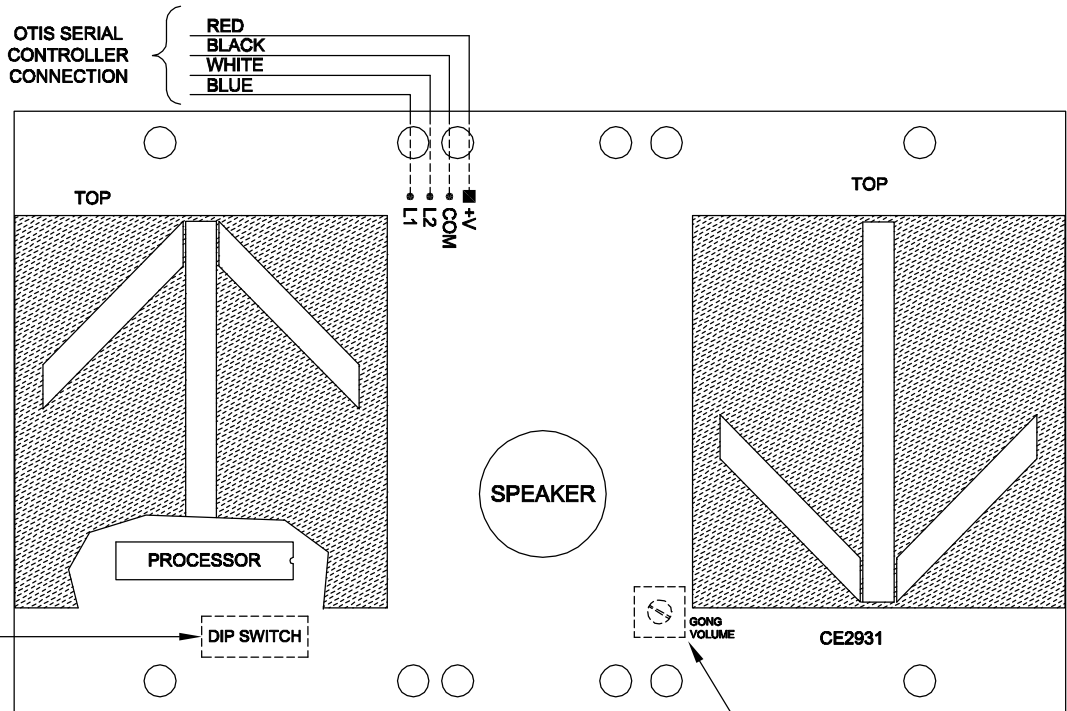
"W" = WHITE ARROW

"G" = GREEN ARROW

<BLANK> = BI-COLOR ARROW

GTDH-OS

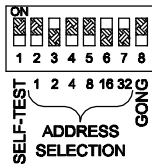
JOB# _____



DEFAULT SETTINGS

1	2	3	4	5	6	7	8	ON
								OFF

DIP SWITCH DETAIL (AS VIEWED FROM BACK OF BOARD)



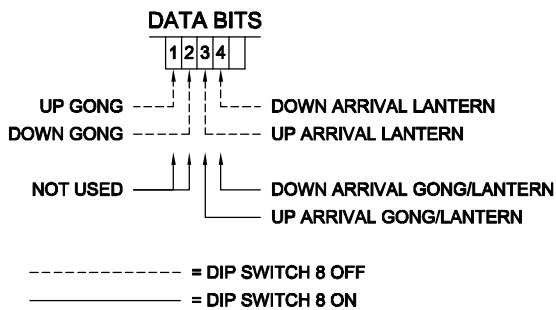
GONG VOLUME CONTROL ON REVERSE SIDE OF BOARD

CHART TO SELECT ADDRESS WITH DIP SWITCH

VALUE	32	16	8	4	2	1	ADDRESS
DIP SWITCH #	7	6	5	4	3	2	ADDRESS
0	0	0	0	0	0	0	INVALID
0	0	0	0	0	0	1	ADDRESS #32
0	0	0	0	0	1	0	ADDRESS #33
0	0	0	0	0	1	1	ADDRESS #34
0	0	0	0	0	1	1	ADDRESS #35
0	0	0	0	1	0	0	ADDRESS #36
0	0	0	0	1	0	1	ADDRESS #37
0	0	0	0	1	1	0	ADDRESS #38
0	0	0	0	1	1	1	ADDRESS #39
0	0	0	1	0	0	0	ADDRESS #40
0	0	0	1	0	0	1	ADDRESS #41
0	0	0	1	0	1	0	ADDRESS #42
0	0	0	1	0	1	1	ADDRESS #43
0	0	0	1	1	0	0	ADDRESS #44
0	0	0	1	1	0	1	ADDRESS #45
0	0	0	1	1	1	0	ADDRESS #46
0	0	0	1	1	1	1	ADDRESS #47
0	1	0	0	0	0	0	ADDRESS #48
0	1	0	0	0	0	1	ADDRESS #49
0	1	0	0	1	0	0	ADDRESS #50
0	1	0	0	1	1	0	ADDRESS #51
0	1	0	1	0	0	0	ADDRESS #52
0	1	0	1	0	1	0	ADDRESS #53
0	1	0	1	1	0	0	ADDRESS #54
0	1	0	1	1	1	0	ADDRESS #55
0	1	1	0	0	0	0	ADDRESS #56
0	1	1	0	0	0	1	ADDRESS #57
0	1	1	0	1	0	0	ADDRESS #58
0	1	1	0	1	1	0	ADDRESS #59
0	1	1	1	0	0	0	ADDRESS #60
0	1	1	1	0	1	0	ADDRESS #61
0	1	1	1	1	0	0	ADDRESS #62
0	1	1	1	1	1	0	ADDRESS #63

CODE VERSION _____

BOARD VERSION CE2931 _____



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)

DATE DRAWN: 03/03/03	DRAWN BY: K.L.S.	REQUESTED BY: DC, DR, MW, JK	C.E. ELECTRONICS, INC. 2107 Industrial Drive Bryan, Ohio 43506 (419) 636-6705
BOARD NUMBER: 2931	LAST DATE REVISED: 05/05/05	APPROVED BY:	
PRODUCT: GTDH-OS	DWG. NO.: GTDH-OS-01-A	REV: D	

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*:

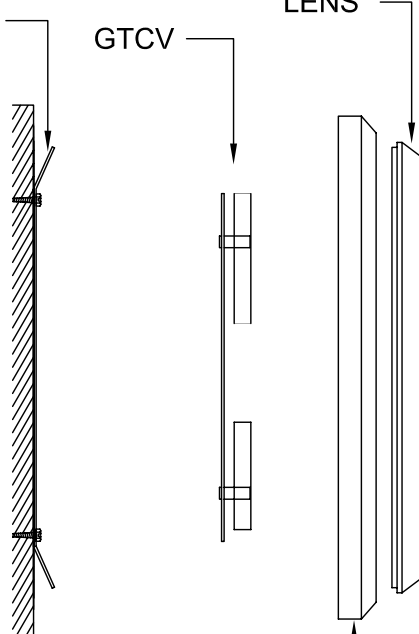
- Bit 1—Not Used
- Bit 2—Not Used
- Bit 3—Up Arrival Arrow/Lantern and Up Gong (Single)
- Bit 4—Down Arrival Arrow/Lantern and Down Gong (Single)

NOTE: ECA function is not available with this unit.

MOUNTING BRACKET
FOR COVER

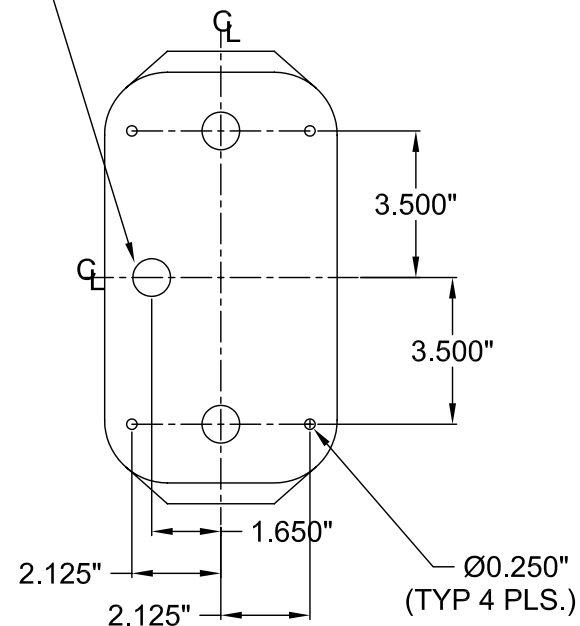
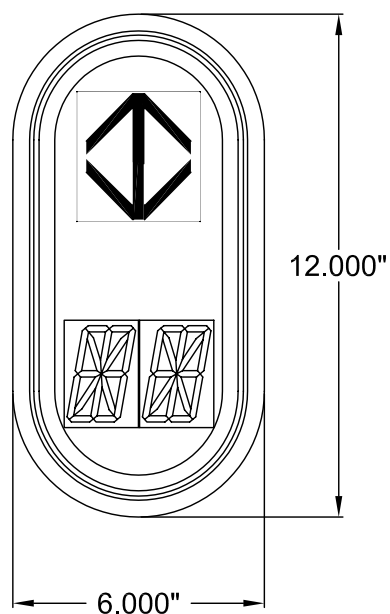
GTCV

LENS



#4 STAINLESS STEEL COVER

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



CUT-OUT & MTG. DETAIL

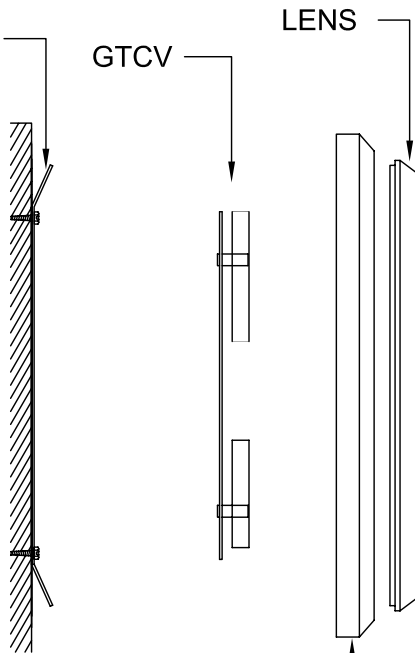
LENS NUMBER:	BOARD # & REV:
APPROVED BY:	
Signature: _____	
Date: _____	
Company: _____	

DATE DRAWN: 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. 70100032 REV:

MOUNTING BRACKET
FOR COVER

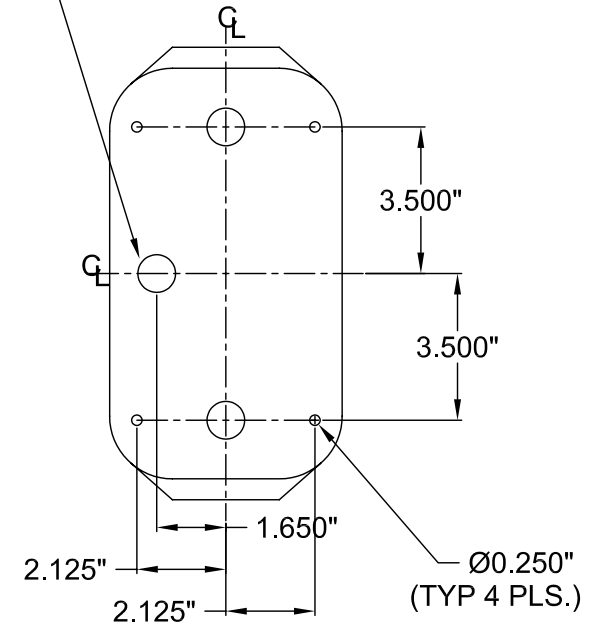
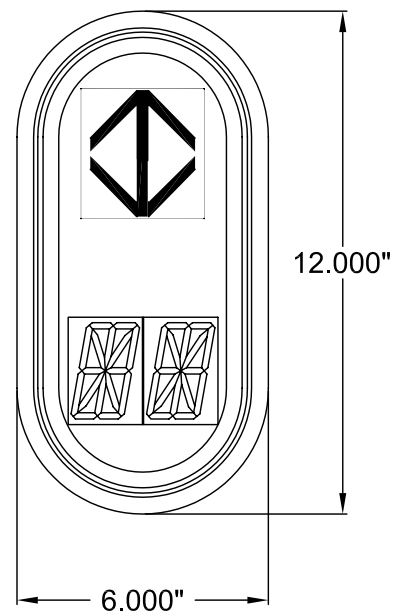
GTCV

LENS



#4 MUNTZ COVER

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



CUT-OUT & MTG. DETAIL

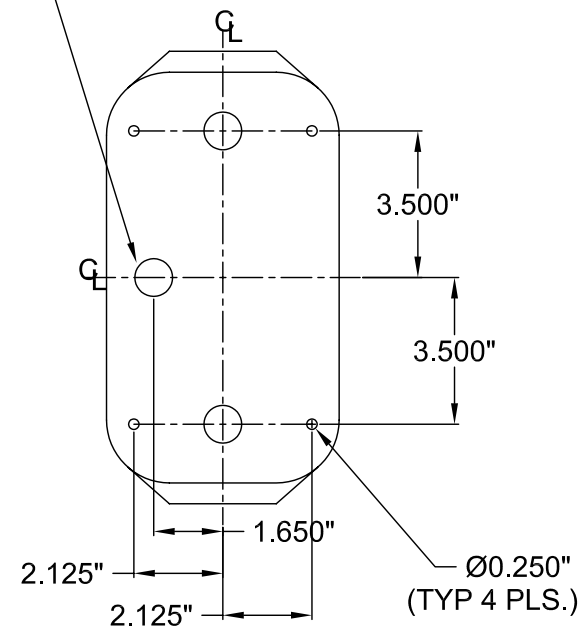
LENS NUMBER:	BOARD # & REV:
APPROVED BY:	
Signature: _____	
Date: _____	
Company: _____	

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:

The diagram illustrates the components of the experimental setup. On the left, a vertical cross-section of a substrate is shown with diagonal hatching. Two clamps are attached to the substrate, with arrows pointing to the right, indicating the direction of light or signal flow. In the center, a vertical assembly is labeled 'GTCV' (Grating Transverse Coupled Waveguide). It consists of a central vertical rod with two rectangular blocks, one above and one below, which are secured by horizontal clamps. On the right, a vertical assembly is labeled 'LENS'. It consists of two rectangular blocks, one in front of the other, with an arrow pointing to the front block. The entire setup is shown in a perspective view.

LENS

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 opening and two side-by-side rectangular openings at the bottom, each containing a diamond-shaped pattern.



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. 70100035
			REV: