

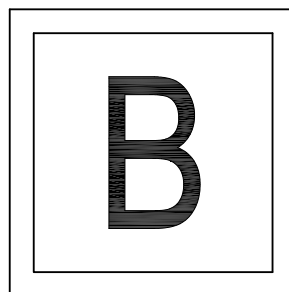
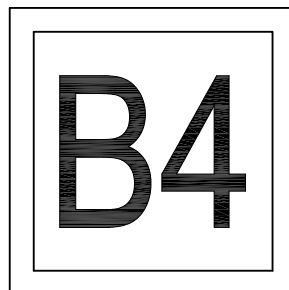
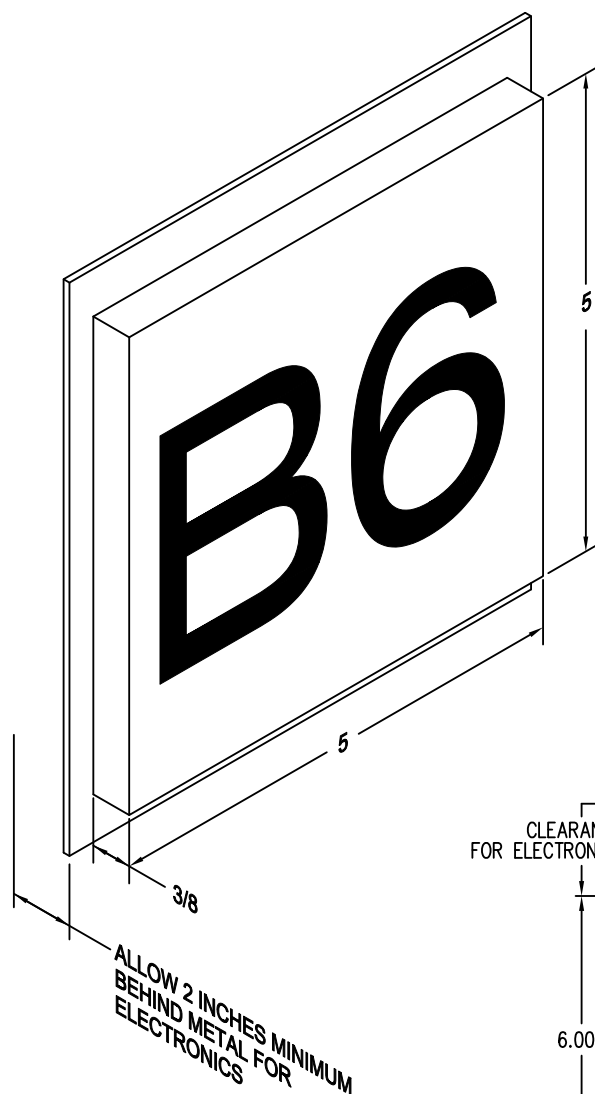


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OLBOX-XXX

Ver. 5 Rel. 05/04/2023

OTIS



3 inch front letters

INSIDE: PN-11100233

OUTSIDE: PN-11100234

OLBOX

LED EXTENDED DESTINATION CUBE

Long life, solid state LED's with a 100,000 hour rated life.
Accepts existing signals over the RSL link
This has a raised lens giving you 180° viewing
The unit is also equipped with an arrival speaker and destination tones
Programming is dip switch selectable

Typical Applications

- Hall / Destination Display
- 180° Viewing Angle

Features

- 2-3 inch characters (Front View)
- 180° viewing angle lantern
- 1 year factory warranty
- Includes Speaker (optional)
- Otis Serial

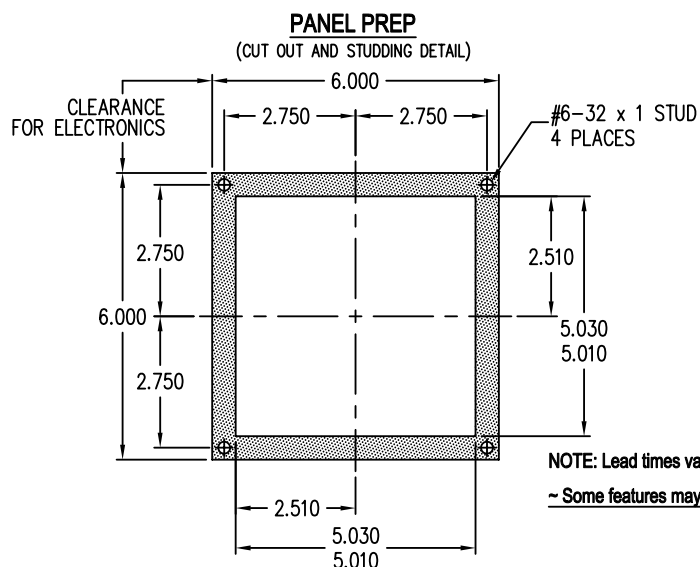
TO ORDER - SPECIFY OLBOX - X X X

"1" = 3 inch Characters

COLOR OPTIONS

"W" = Warm White (main character) Red (down) Green (up)
"A" = Amber (character) Red (down) Green (up)
"B" = Blue (character) Red (down) Green (up)

"T" = Tones

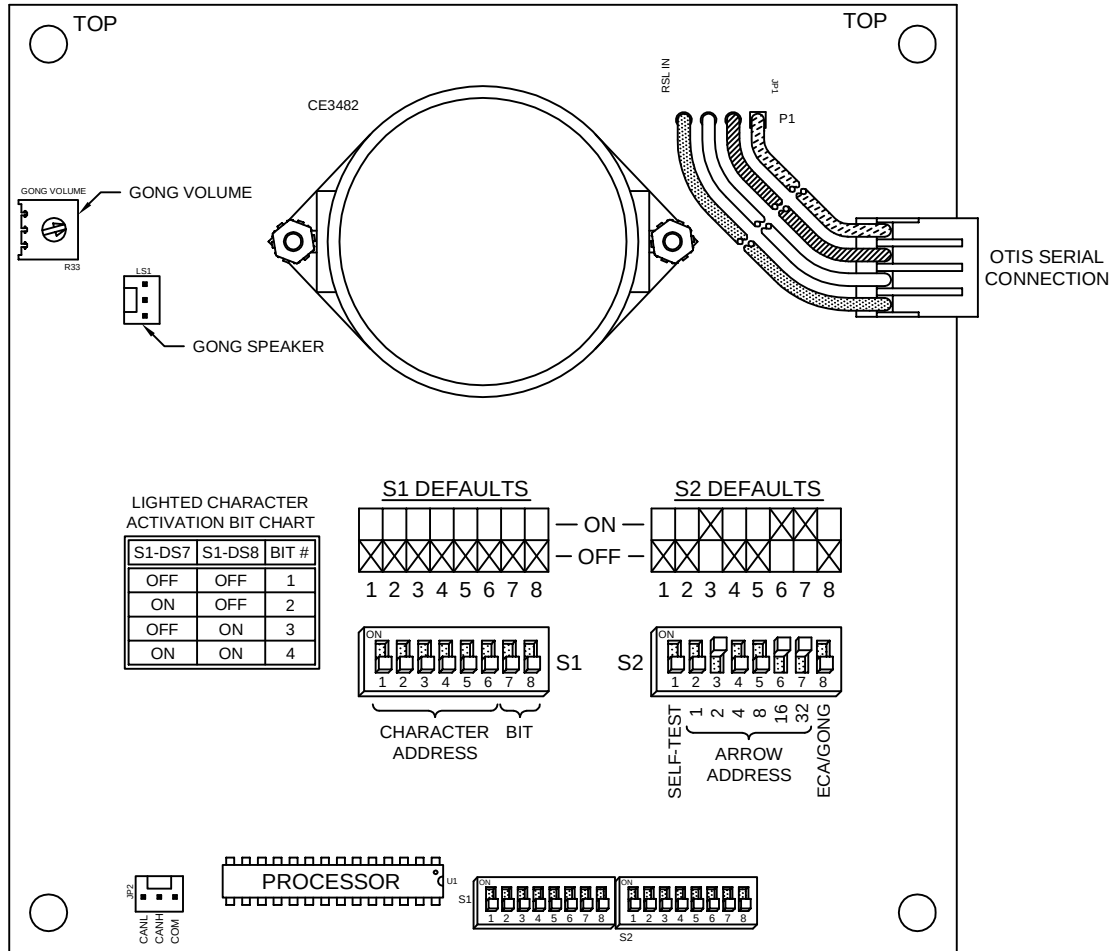


NOTE: Lead times vary and characters need to be specified

~ Some features may not be available for your system; Please check with your manufacture or engineering for special features ~

OCUBE/OLBOX

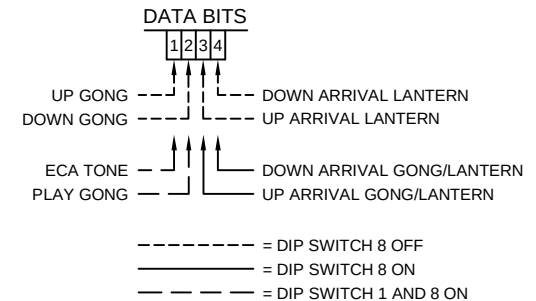
JOB# _____



128K ADDRESS DECODE							SWITCH VALUE	128K ADDRESS DECODE						
	1	2	4	8	16	32		1	2	4	8	16	32	
ADDRESS	DS1	DS2	DS3	DS4	DS5	DS6	- S1 -	DS1	DS2	DS3	DS4	DS5	DS6	ADDRESS
	DS2	DS3	DS4	DS5	DS6	DS7	- S2 -	DS2	DS3	DS4	DS5	DS6	DS7	
INVALID	OFF	OFF	OFF	OFF	OFF	OFF		OFF	OFF	OFF	OFF	OFF	ON	ADDRESS 32
INVALID	OFF	OFF	OFF	OFF	OFF	OFF		ON	OFF	OFF	OFF	OFF	ON	ADDRESS 33
INVALID	OFF	OFF	OFF	OFF	OFF	OFF		OFF	ON	OFF	OFF	OFF	ON	ADDRESS 34
INVALID	OFF	OFF	OFF	OFF	OFF	OFF		ON	ON	OFF	OFF	OFF	ON	ADDRESS 35
ADDRESS 4	OFF	OFF	ON	OFF	OFF	OFF		OFF	OFF	ON	OFF	OFF	ON	ADDRESS 36
ADDRESS 5	ON	OFF	ON	OFF	OFF	OFF		ON	OFF	ON	OFF	OFF	ON	ADDRESS 37
ADDRESS 6	OFF	ON	ON	OFF	OFF	OFF		OFF	ON	ON	OFF	OFF	ON	ADDRESS 38
ADDRESS 7	ON	ON	ON	OFF	OFF	OFF		ON	ON	ON	OFF	OFF	ON	ADDRESS 39
ADDRESS 8	OFF	OFF	OFF	ON	OFF	OFF		OFF	OFF	OFF	ON	OFF	ON	ADDRESS 40
ADDRESS 9	ON	OFF	OFF	ON	OFF	OFF		ON	OFF	OFF	ON	OFF	ON	ADDRESS 41
ADDRESS 10	OFF	ON	OFF	ON	OFF	OFF		OFF	ON	OFF	ON	OFF	ON	ADDRESS 42
ADDRESS 11	ON	ON	OFF	ON	OFF	OFF		ON	ON	OFF	ON	OFF	ON	ADDRESS 43
ADDRESS 12	OFF	OFF	ON	ON	OFF	OFF		OFF	OFF	ON	ON	OFF	ON	ADDRESS 44
ADDRESS 13	ON	OFF	ON	ON	OFF	OFF		ON	OFF	ON	ON	OFF	ON	ADDRESS 45
ADDRESS 14	OFF	ON	ON	ON	OFF	OFF		OFF	ON	ON	ON	OFF	ON	ADDRESS 46
ADDRESS 15	ON	ON	ON	ON	OFF	OFF		ON	ON	ON	ON	OFF	ON	ADDRESS 47
ADDRESS 16	OFF	OFF	OFF	OFF	ON	OFF		OFF	OFF	OFF	OFF	ON	ON	ADDRESS 48
ADDRESS 17	ON	OFF	OFF	OFF	ON	OFF		ON	OFF	OFF	OFF	ON	ON	ADDRESS 49
ADDRESS 18	OFF	ON	OFF	OFF	ON	OFF		OFF	ON	OFF	OFF	ON	ON	ADDRESS 50
ADDRESS 19	ON	ON	OFF	OFF	ON	OFF		ON	ON	OFF	OFF	ON	ON	ADDRESS 51
ADDRESS 20	OFF	OFF	ON	OFF	ON	OFF		OFF	OFF	ON	OFF	ON	ON	ADDRESS 52
ADDRESS 21	ON	OFF	ON	OFF	ON	OFF		ON	OFF	ON	OFF	ON	ON	ADDRESS 53
ADDRESS 22	OFF	ON	ON	OFF	ON	OFF		OFF	ON	ON	OFF	ON	ON	ADDRESS 54
ADDRESS 23	ON	ON	ON	OFF	ON	OFF		ON	ON	ON	OFF	ON	ON	ADDRESS 55
ADDRESS 24	OFF	OFF	OFF	ON	ON	OFF		OFF	OFF	OFF	ON	ON	ON	ADDRESS 56
ADDRESS 25	ON	OFF	OFF	ON	ON	OFF		ON	OFF	OFF	ON	ON	ON	ADDRESS 57
ADDRESS 26	OFF	ON	OFF	ON	ON	OFF		OFF	ON	OFF	ON	ON	ON	ADDRESS 58
ADDRESS 27	ON	ON	OFF	ON	ON	OFF		ON	ON	OFF	ON	ON	ON	ADDRESS 59
ADDRESS 28	OFF	OFF	ON	ON	ON	OFF		OFF	OFF	ON	ON	ON	ON	ADDRESS 60
ADDRESS 29	ON	OFF	ON	ON	ON	OFF		ON	OFF	ON	ON	ON	ON	ADDRESS 61
ADDRESS 30	OFF	ON	ON	ON	ON	OFF		OFF	ON	ON	ON	ON	ON	ADDRESS 62
ADDRESS 31	ON	ON	ON	ON	ON	OFF		ON	ON	ON	ON	ON	ON	ADDRESS 63

CHART TO SELECT ADDRESS WITH DIP SWITCHES

CHART TO SELECT ADDRESS WITH DIP SWITCHES



LIGHTED CHARACTER AND ARROWS OPERATING MODES (DIP SWITCH S1)

LIGHTED CHARACTER	ARROWS	DS1	DS2	DS3	DS4	DS5	DS6
ALWAYS OFF	ON WITH VALID ARROW BIT	OFF	OFF	OFF	OFF	OFF	OFF
ALWAYS OFF	ON WITH VALID ARROW BIT	ON	OFF	OFF	OFF	OFF	OFF
ON WITH EITHER ARROW BIT	ALWAYS OFF	OFF	ON	OFF	OFF	OFF	OFF
ALWAYS ON	ON WITH VALID ARROW BIT	ON	ON	OFF	OFF	OFF	OFF
ON WITH VALID CHARACTER BIT	ON WITH VALID ARROW BIT	ANY	ANY	ANY	ANY	ANY	ANY

S2-DS1	S2-DS8	FUNCTION
ON	OFF	SELF-TEST MODE
OFF	OFF	GONG USES BIT 1 UP (SINGLE) AND BIT 2 DOWN (DOUBLE)
OFF	ON	GONG USES BIT 3 UP AND BIT 4 DOWN (BOTH SINGLE)
ON	ON	ECA MODE - GONG USES BIT 3 UP AND BIT 4 DOWN (BOTH SINGLE)

CODE VERSION _____

BOARD VERSION CE3482 _____

SEE ECA OPERATION ON OTHER PAGE

DATE DRAWN: 08/18/10	DRAWN BY: DAC	REQUESTED BY: TC	C.E. ELECTRONICS, INC. 2107 Industrial Drive Bryan, Ohio 43506 (419) 636-6705
BOARD NUMBER: 3482	LAST DATE REVISED: 02/01/16	APPROVED BY:	
PRODUCT CUBE DISPLAY WITH OTIS SERIAL INPUT	DWG. NO. OCUBE_01	REV. D	

NOTE: Use the chart on the reverse of this page to set the DIP switches on S1 and S2 to select the addresses as described below.

The following Otis data must be furnished at the selected address for the Otis Serial LED Display to work properly. 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.

DIP switch **S1** selects the address and bit used to turn the lighted character on an off.

DIP switches 1 – 6 select the address of the bit within the RSL link.

DIP switches 7 – 8 select which bit at that address is used to light the character.

See chart on reverse to determine switch settings for the desired bit.

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DIP switch **S2** selects the address and bits used to turn arrows and gongs on and off.

DIP switches 2 – 7 select the address of the bits within the RSL link.

DIP switches 1 and 8 are described in the information below.

At DIP switch address—selected by DIP switch S2 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)

Otis Serial LED Displays - Compass Operation

Character Address Special Modes (Compass):

The first four character addresses (Address 0-3 on S1) are used to select special modes of operation; therefore, the character address becomes invalid and the arrow address (S2) is used for both floor character and arrow operation. In each of these special modes, the gong triggers when an UP bit or DOWN bit at the proper RSL address begins to flash. The following mode descriptions assume that the gong-function switches (S2-1, S2-8) are both ON so that ECA mode is active. If another mode is active, the gong will not trigger on a flashing arrow bit, but will instead revert to the normal gong-table setting. While in one of the modes described below, if an arrow bit comes on and does not flash three times in a row, the gong will assume that it has exited Compass mode and will sound without the need for the bit to flash.

Address 0:

In this mode, the floor character will not light (character may not be present).

- The arrows will mimic RSL bits 3 (UP) and 4 (DOWN).
- If bit 3 or 4 flashes, the corresponding arrow will also flash.
- The gong will sound when either the UP bit begins to flash (single gong) or the DOWN bit begins to flash (double gong).

Address 1:

- RSL bits 3 and/or 4 will light the floor character.
- If bit 3 begins to flash, the UP arrow will light and a single gong will sound.
- If bit 4 begins to flash, the DOWN arrow will light and a double gong will sound.
- The floor character will not flash.
- If switch S1-8 is OFF, the arrows will not flash.
- If switch S1-8 is ON, the arrows will flash with the corresponding bit.

Address 2:

In this mode, arrows will not light (arrow may not be present).

- RSL bits 3 and/or 4 will light the floor character.
- If bit 3 begins to flash, a single gong will sound.
- If bit 4 begins to flash, a double gong will sound.
- The floor character will flash when bit 3 or bit 4 flashes.

Address 3:

In this mode, the floor character is always lit.

- If RSL bit 3 is on, the UP arrow will light.
- If RSL bit 4 is on, the DOWN arrow will light.
- If bit 3 begins to flash, the UP arrow will flash and a single gong will sound.
- If bit 4 begins to flash, the DOWN arrow will flash and a double gong will sound.