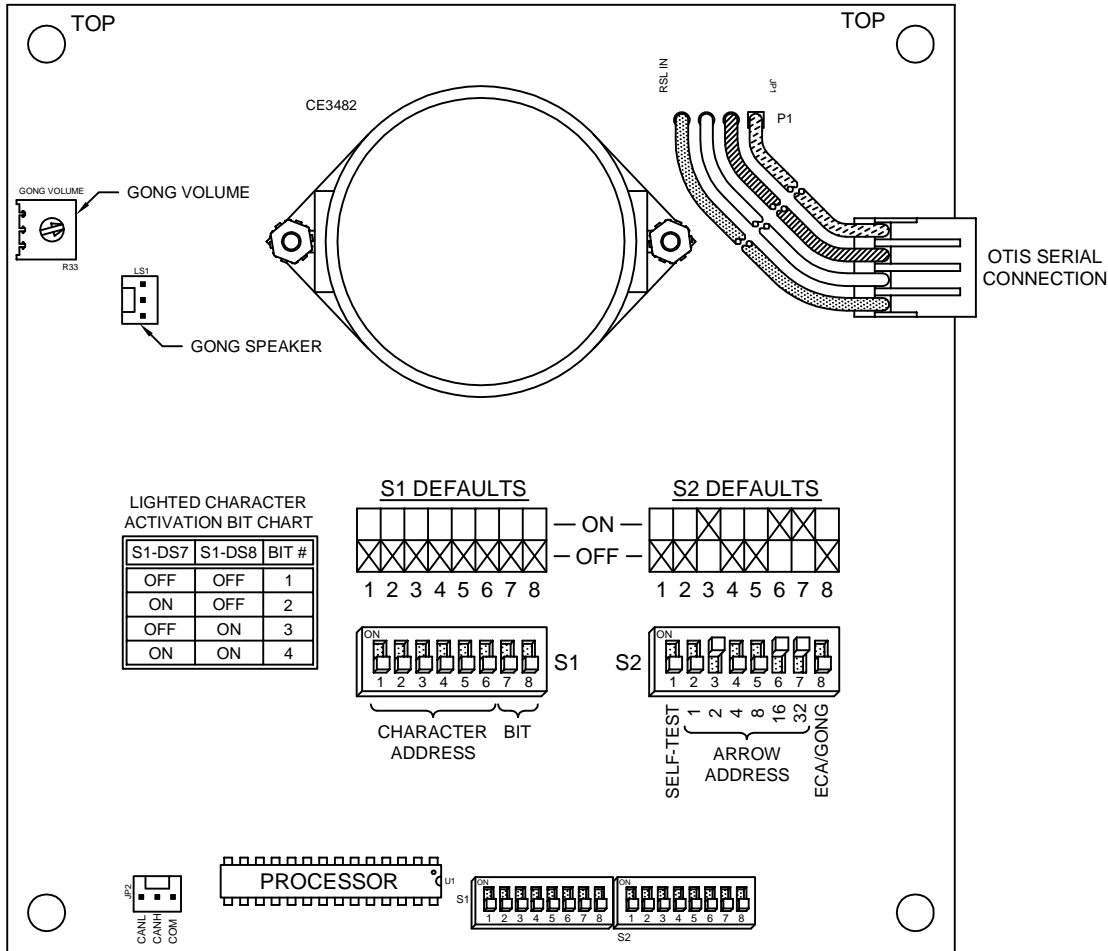


OCUBE/OLBOX

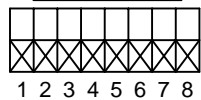
JOB# _____



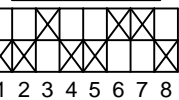
LIGHTED CHARACTER ACTIVATION BIT CHART

S1-DS7	S1-DS8	BIT #
OFF	OFF	1
ON	OFF	2
OFF	ON	3
ON	ON	4

S1 DEFAULTS

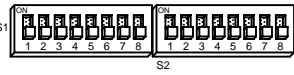


S2 DEFAULTS



CHARACTER BIT ADDRESS

SELF-TEST ARROW ADDRESS ECA/GONG



LIGHTED CHARACTER AND ARROWS OPERATING MODES (DIP SWITCH S1)

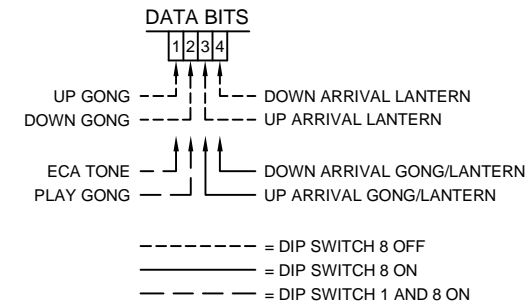
LIGHTED CHARACTER	ARROWS	DS1	DS2	DS3	DS4	DS5	DS6
ALWAYS OFF	ON WITH VALID ARROW BIT	OFF	OFF	OFF	OFF	OFF	OFF
ALWAYS OFF	ON WITH VALID ARROW BIT	ON	OFF	OFF	OFF	OFF	OFF
ON WITH EITHER ARROW BIT	ALWAYS OFF	OFF	ON	OFF	OFF	OFF	OFF
ALWAYS ON	ON WITH VALID ARROW BIT	ON	ON	OFF	OFF	OFF	OFF
ON WITH VALID CHARACTER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

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)

ADDRESS	SWITCH VALUE					
	1	2	4	8	16	32
INVALID	DS1	DS2	DS3	DS4	DS5	DS6
INVALID	DS2	DS3	DS4	DS5	DS6	DS7
INVALID	OFF	OFF	OFF	OFF	OFF	OFF
INVALID	OFF	OFF	OFF	OFF	OFF	OFF
INVALID	OFF	OFF	OFF	OFF	OFF	OFF
INVALID	OFF	OFF	OFF	OFF	OFF	OFF
ADDRESS 4	OFF	OFF	ON	OFF	OFF	OFF
ADDRESS 5	ON	OFF	ON	OFF	OFF	OFF
ADDRESS 6	OFF	ON	ON	OFF	OFF	OFF
ADDRESS 7	ON	ON	ON	OFF	OFF	OFF
ADDRESS 8	OFF	OFF	OFF	ON	OFF	OFF
ADDRESS 9	ON	OFF	OFF	ON	OFF	OFF
ADDRESS 10	OFF	ON	OFF	ON	OFF	OFF
ADDRESS 11	ON	ON	OFF	ON	OFF	OFF
ADDRESS 12	OFF	OFF	ON	ON	OFF	OFF
ADDRESS 13	ON	OFF	ON	ON	OFF	OFF
ADDRESS 14	OFF	ON	ON	ON	OFF	OFF
ADDRESS 15	ON	ON	ON	ON	OFF	OFF
ADDRESS 16	OFF	OFF	OFF	OFF	ON	OFF
ADDRESS 17	ON	OFF	OFF	OFF	ON	OFF
ADDRESS 18	OFF	ON	OFF	OFF	ON	OFF
ADDRESS 19	ON	ON	OFF	OFF	ON	OFF
ADDRESS 20	OFF	OFF	ON	OFF	ON	OFF
ADDRESS 21	ON	ON	ON	OFF	ON	OFF
ADDRESS 22	OFF	ON	ON	OFF	ON	OFF
ADDRESS 23	ON	ON	ON	OFF	ON	OFF
ADDRESS 24	OFF	OFF	OFF	ON	ON	OFF
ADDRESS 25	ON	OFF	OFF	ON	ON	OFF
ADDRESS 26	OFF	ON	OFF	ON	ON	OFF
ADDRESS 27	ON	ON	OFF	ON	ON	OFF
ADDRESS 28	OFF	OFF	ON	ON	ON	OFF
ADDRESS 29	ON	OFF	ON	ON	ON	OFF
ADDRESS 30	OFF	ON	ON	ON	ON	OFF
ADDRESS 31	ON	ON	ON	ON	ON	OFF

CHART TO SELECT ADDRESS WITH DIP SWITCHES

SWITCH VALUE						ADDRESS
1	2	4	8	16	32	
-S1-	DS1	DS2	DS3	DS4	DS5	DS6
-S2-	DS2	DS3	DS4	DS5	DS6	DS7
OFF	OFF	OFF	OFF	OFF	ON	ADDRESS 32
ON	OFF	OFF	OFF	OFF	ON	ADDRESS 33
OFF	ON	OFF	OFF	OFF	ON	ADDRESS 34
ON	ON	OFF	OFF	OFF	ON	ADDRESS 35
OFF	OFF	ON	OFF	OFF	ON	ADDRESS 36
ON	OFF	ON	OFF	OFF	ON	ADDRESS 37
OFF	ON	ON	OFF	OFF	ON	ADDRESS 38
ON	ON	ON	OFF	OFF	ON	ADDRESS 39
OFF	OFF	OFF	ON	OFF	ON	ADDRESS 40
ON	OFF	OFF	ON	OFF	ON	ADDRESS 41
OFF	ON	OFF	ON	OFF	ON	ADDRESS 42
ON	ON	OFF	ON	OFF	ON	ADDRESS 43
OFF	OFF	ON	ON	OFF	ON	ADDRESS 44
ON	OFF	ON	ON	OFF	ON	ADDRESS 45
OFF	ON	ON	ON	OFF	ON	ADDRESS 46
ON	ON	ON	ON	OFF	ON	ADDRESS 47
OFF	OFF	OFF	OFF	ON	ON	ADDRESS 48
ON	OFF	OFF	OFF	ON	ON	ADDRESS 49
OFF	ON	OFF	OFF	ON	ON	ADDRESS 50
ON	ON	OFF	OFF	ON	ON	ADDRESS 51
OFF	OFF	ON	OFF	ON	ON	ADDRESS 52
ON	ON	ON	OFF	ON	ON	ADDRESS 53
OFF	ON	ON	OFF	ON	ON	ADDRESS 54
ON	ON	ON	OFF	ON	ON	ADDRESS 55
OFF	OFF	OFF	ON	ON	ON	ADDRESS 56
ON	OFF	OFF	ON	ON	ON	ADDRESS 57
OFF	ON	OFF	ON	ON	ON	ADDRESS 58
ON	ON	OFF	ON	ON	ON	ADDRESS 59
OFF	OFF	ON	ON	ON	ON	ADDRESS 60
ON	OFF	ON	ON	ON	ON	ADDRESS 61
OFF	ON	ON	ON	ON	ON	ADDRESS 62
ON	ON	ON	ON	ON	ON	ADDRESS 63



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 43306 (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.

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.