



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

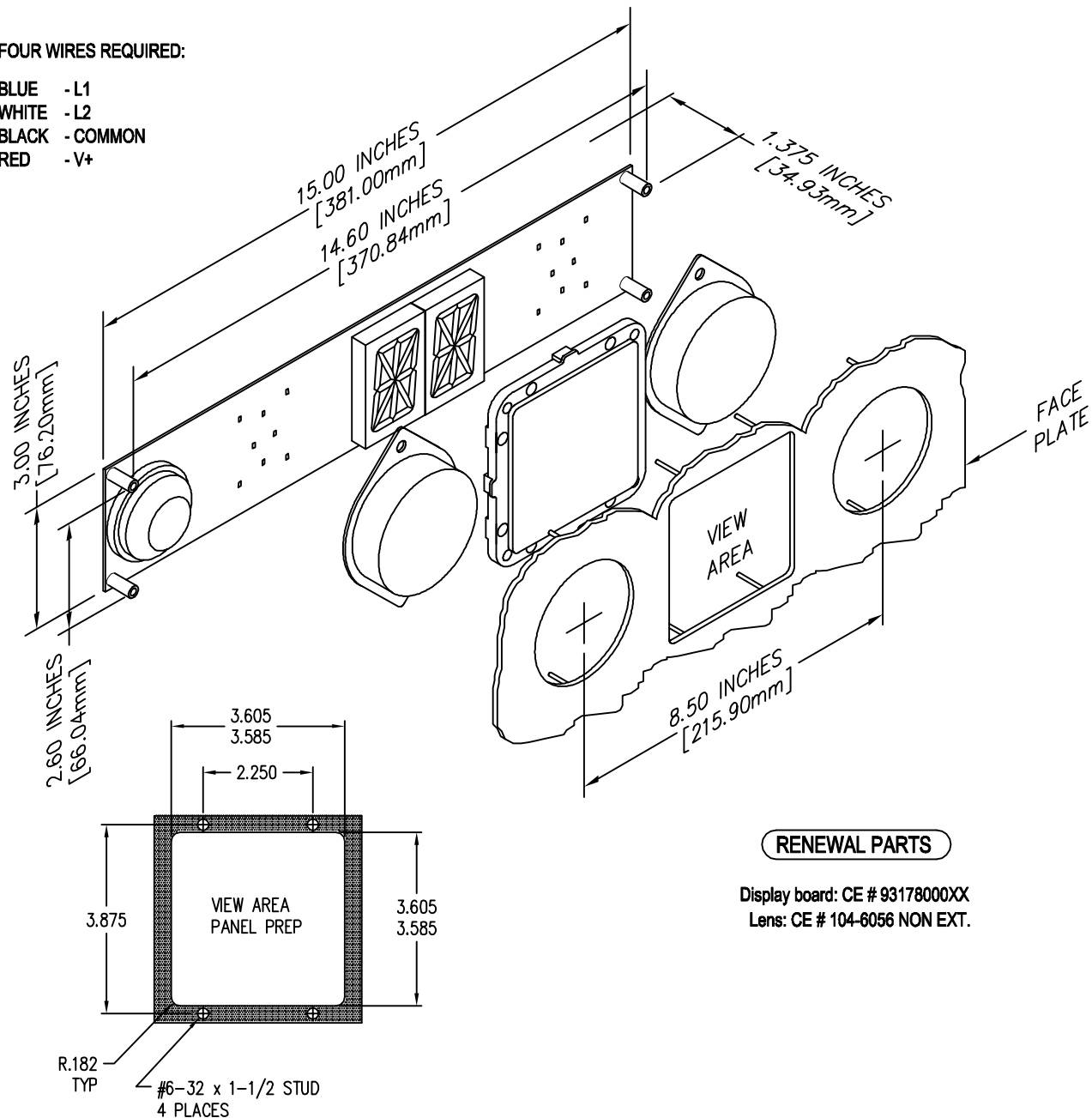
OHCTS-XXX

Ver. 8 Rel. 4/15/2021

OTIS

FOUR WIRES REQUIRED:

BLUE - L1
WHITE - L2
BLACK - COMMON
RED - V+



RENEWAL PARTS

Display board: CE # 93178000XX
Lens: CE # 104-6056 NON EXT.

OHCTS-XXX

Long life, LED's for lanterns, 100,000 hour rated life. Accepts existing signals over the Otis RSL link. The unit has a double digit 2 inch display. It includes LED backlighting for hockey puck style lanterns. The unit is also equipped with an arrival gong. The programming is dip switch selectable.

Typical Applications

- Hall lanterns
- P.I. combo

Features

- 2 Inch characters
- 1 year factory warranty
- Conforms to ADAAG 4.10.4
- Includes gong
- RSL input
- ECA capable

TO ORDER - SPECIFY OHCTS-XXX

UP LED COLOR:

"R" = RED
"G" = GREEN
"B" = BLUE
"W" = WHITE

DOWN LED COLOR:

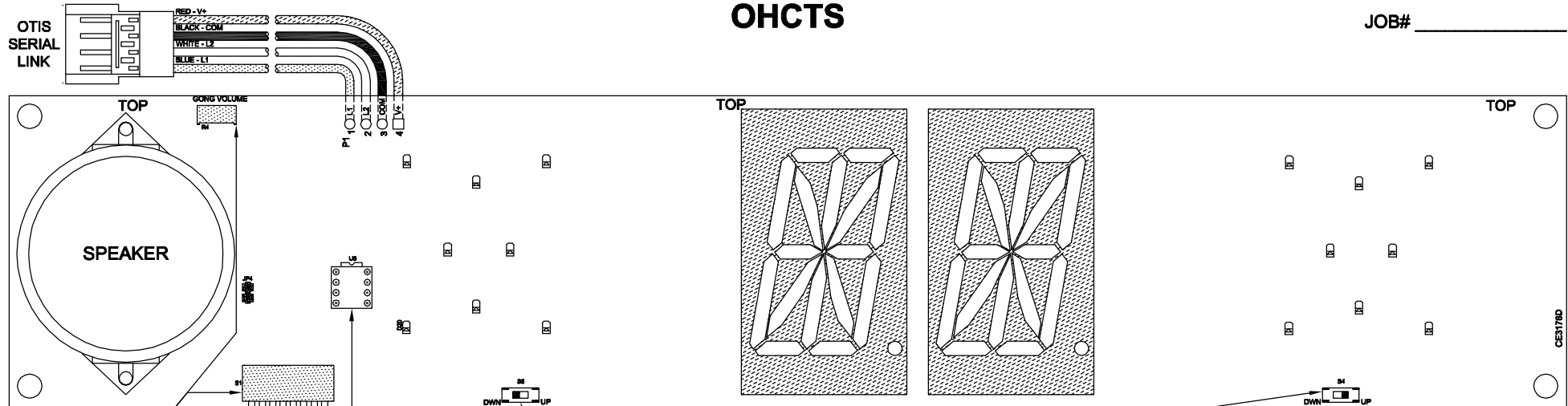
"R" = RED
"G" = GREEN
"B" = BLUE
"W" = WHITE

DIGIT PI COLOR:

"R" = RED
"G" = GREEN
"B" = BLUE
"W" = WHITE

OHCTS

JOB# _____



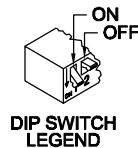
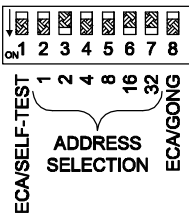
GONG VOLUME CONTROL AND DIP SWITCH ARE RIGHT-ANGLE DEVICES AND ARE MOUNTED ON THE FRONT OF THE BOARD.

SWITCHES S4 AND S5 DETERMINE THE DIRECTION USED TO TRIGGER THE LED LANTERN DISPLAYS. DEFAULT SETTING IS LEFT LANTERN DOWN, RIGHT LANTERN UP. BOTH LANTERNS CAN USE THE SAME DIRECTION SIGNAL TO LIGHT AT THE SAME TIME (FOR TERMINAL LANDINGS, ETC.)

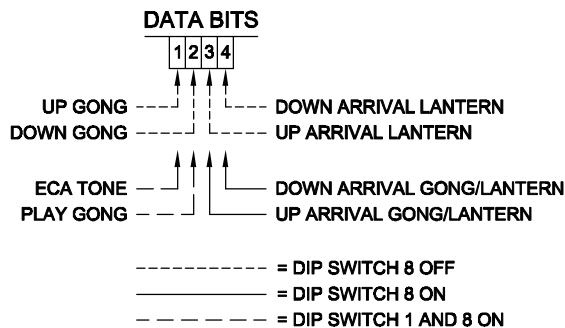
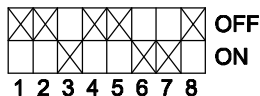
THE EEPROM IS USED TO DISPLAY DIFFERENT CHARACTERS THAN ARE RECEIVED. USE THE "OCDL.EXE" PROGRAM TO CREATE EEPROM DATA.

CHART TO SELECT ADDRESS WITH DIP SWITCH

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



DEFAULT SETTINGS



DS1	DS8	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

CODE VERSION _____

BOARD VERSION CE3178 _____

DATE DRAWN 09/14/05	DRAWN BY DAC	REQUESTED BY MG, CS	C.E. ELECTRONICS, INC. 2107 Industrial Drive Bryan, Ohio 43006 (419) 636-6705
BOARD NUMBER 3178	LAST DATE REVISED 11/09/10	APPROVED BY	
PRODUCT OHCTS-XXX			
DWG. NO. OHCTS 01			

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.