OCDL-X
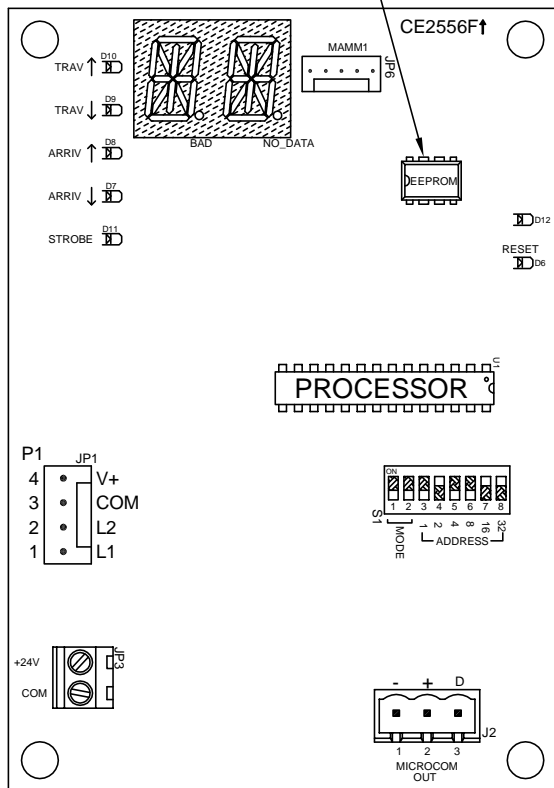## (CE2556F AND ABOVE)

JOB# _____

THE EEPROM IS USED TO DISPLAY DIFFERENT CHARACTERS THAN ARE RECEIVED. USE *"OCDL.EXE"* PROGRAM TO CREATE EEPROM DATA.
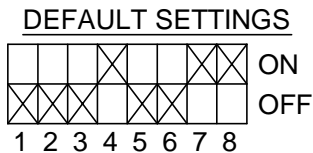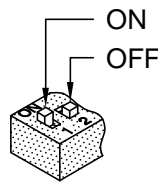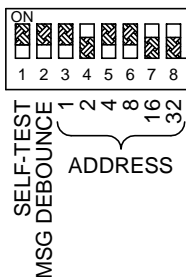
CE2556F↑

TRAV ↑ D10
TRAV ↓ D9
ARRIV ↑ D8
ARRIV ↓ D7
STROBE D11
BAD NO_DATA
MAMM1 JP6
EEPROM
D12
RESET D6

PROCESSOR U1

P1 JP1
4 • V+
3 • COM
2 • L2
1 • L1

OTIS SERIAL DATA LINK INPUT

ON
S1
1 2 3 4 5 6 7 8
MODE | ADDRESS 16 32

+24V JP3
COM

- + D
1 2 3
J2
MICROCOM OUT

COM V+ DATA

CHART TO SELECT ADDRESS WITH DIP SWITCH

32	16	8	4	2	1 -- VALUE								
DS8	DS7	DS6	DS5	DS4	DS3	ADDRESS	DS8	DS7	DS6	DS5	DS4	DS3	ADDRESS
0	0	0	0	0	0	INVALID	1	0	0	0	0	0	ADDRESS #32
0	0	0	0	0	0	INVALID	1	0	0	0	0	1	ADDRESS #33
0	0	0	0	0	0	INVALID	1	0	0	0	1	0	ADDRESS #34
0	0	0	0	0	0	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

DIP SWITCH DETAIL

ON
1 2 3 4 5 6 7 8

SELF-TEST
MSG DEBOUNCE
1 2 4 8 16 32
ADDRESS

ON
OFF

DEFAULT SETTINGS

ON
OFF
1 2 3 4 5 6 7 8

CODE VERSION _____

BOARD VERSION CE2556 _____

DATE DRAWN: 04/03/09	DRAWN BY: DAC	REQUESTED BY: JK	C.E. ELECTRONICS, INC. 2107 Industrial Drive Bryan, Ohio 43506 (419) 636-6705
BOARD NUMBER: 2556F or ↑	LAST DATE REVISED: -	APPROVED BY:	
PRODUCT	OCDL to Micro Comm 2000 Interface		DWG. NO. OCDL_03 / REV: -

The following Otis data must be furnished at the specified addresses for the Otis CDL Interface to work properly. The address is selected by setting DIP switches 3-8 as shown on the back of this page. The board reads six continuous addresses beginning with the address set by the DIP switches. For example, if the DIP switch is set to address 50, the board will read the bits at addresses 50-55.

DIP switch 1 -   OFF – Normal Operation   ON - Puts the unit in self-test mode.

DIP switch 2 -   OFF -   Message inputs (DIP switch address +2 and +3) debounced 0.2 seconds.
                   ON -   Adds a three second delay for arrival arrows AND:
                               No EEPROM – Message inputs debounced 0.9 seconds
                               With EEPROM – Debounce uses the value in the EEPROM
                                       Value 0 (Default) = 0.9 seconds
                                       Value 1 = No Debounce
                                       Value 2 = 0.2 seconds
                                       Value 3-9 = 0.3 – 0.9 seconds
           NOTE: Debounce is the length of time the Message must be present at the input before it is accepted as valid.

DIP switch address - selected by the DIP switch on the unit (Default 50):
       Bit 1 - FDO   Front Door Open   >>>>>>   Either of these will activate the play voice strobe,
       Bit 2 - RDO   Rear Door Open   >>>>>>   but also control which lantern inputs are read.
       Bit 3 - Not Used
       Bit 4 - LPT   Landing Passing Tone   Passing Chime

DIP switch address +1 (Default 51):
       Bit 3 - CUML   Car Up Motion Lamp   Travel Up Arrow
       Bit 4 - CDML   Car Down Motion Lamp   Travel Down Arrow

DIP switch address +2 (Default 52):   Priority
       Bit 1 - SESL   Fire Hat Jewel   1   (Supports Firehat Flashing)
       Bit 2 - FSL/RFSL   Fire Service Lamp   2
       Bit 3 - FNDG/RNDG   Front/Rear Nudging   3
       Bit 4 - ISCL   Independent Service Lamp   4

DIP switch address +3 (Default 53):
       Bit 1 - OLS   Overload Lamp   5
       Bit 2 - Available   Message Six   6
       Bit 3 - Available   Message Seven   7
       Bit 4 - Available   Message Eight   8

DIP switch address +4 (Default 54):
       Bit 3 - CDLU/CDLU2   Car Direction Lantern Up   Hall/Arrival Lantern Up
       Bit 4 - CDLD/CDLD2   Car Direction Lantern Down   Hall/Arrival Lantern Down

DIP switch address +5 (Default 55):
       Bit 3 - RCDLU/RCDLU2   Rear Car Dir. Lantern Up   Rear Hall/Arrival Lantern Up
       Bit 4 - RCDLD/RCDLD2   Rear Car Dir. Lantern Down   Rear Hall/Arrival Lantern Down

NOTE: At DIP switch address +1, +4, and +5, bits 1 and 2 are not used. Also, the messages listed at DIP switch address +2 and +3 are the default messages, but any signal can be used to trigger a message at the corresponding bit location.

Signal Name	GEN2 - E311M/E411M - GEM/MVS - E335M	LRVF - 211M/LVM
FDO	437	181
RDO	438	182
LPT	393	137
CUML	468	212
CDML	467	211
SESL	450	-
FSL	387	131
RFSL	416	160
FNDG	441	185
RNDG	442	186
FSIILC	-	195
ISCL	389	133 / 714
OLS	396	140
PFL	397	141
EQL	383	127
CDLU	380	124
CDLD	378	122
RCDLU	401	145
RCDLD	399	143
CDLU2	754	259
CDLD2	755	258
RCDLU2	756	261
RCDLD2	757	260