

OUTDOOR LED CLOCK INSTRUCTION MANUAL

REVISION DATE: 09-14-06 PART#: 98-0023-04



SERVICE & CUSTOMER INFORMATION

CUSTOMER MUST HAVE PART NUMBER WHEN ORDERING ITEMS THROUGH THE SERVICE DEPARTMENT.

IF FURTHER HELP IS NEEDED CONTACT A FAIR-PLAY SERVICE REP IN YOUR FAIR-PLAY DEALER ORGANIZATION OR PHONE THE FAIR-PLAY HELP DESK AT (800) 462-2716.

TO AID YOU IN YOUR DISCUSSIONS WITH SERVICE REPS, WE SUGGEST THAT YOU RECORD THE FOLLOWING:

MODEL NUMBER:

INSTALLATION DATE:_____

WARRANTY: A COPY OF THE FIVE-YEAR LIMITED WARRANTY IS ENCLOSED.

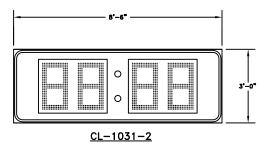
FAIR-PLAY SCOREBOARDS

DES MOINES, IOWA

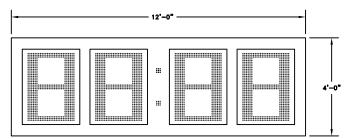
INSTRUCTION DRAWING LIST

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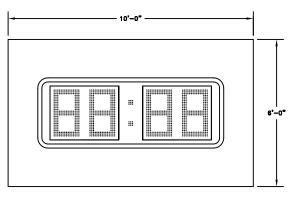
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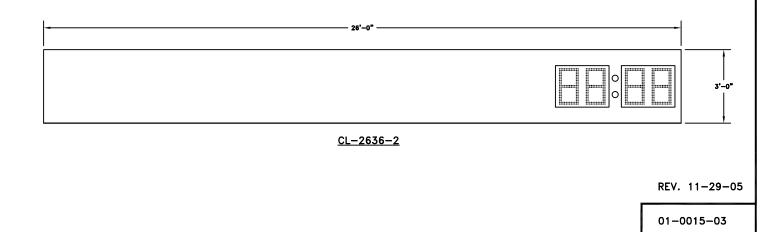


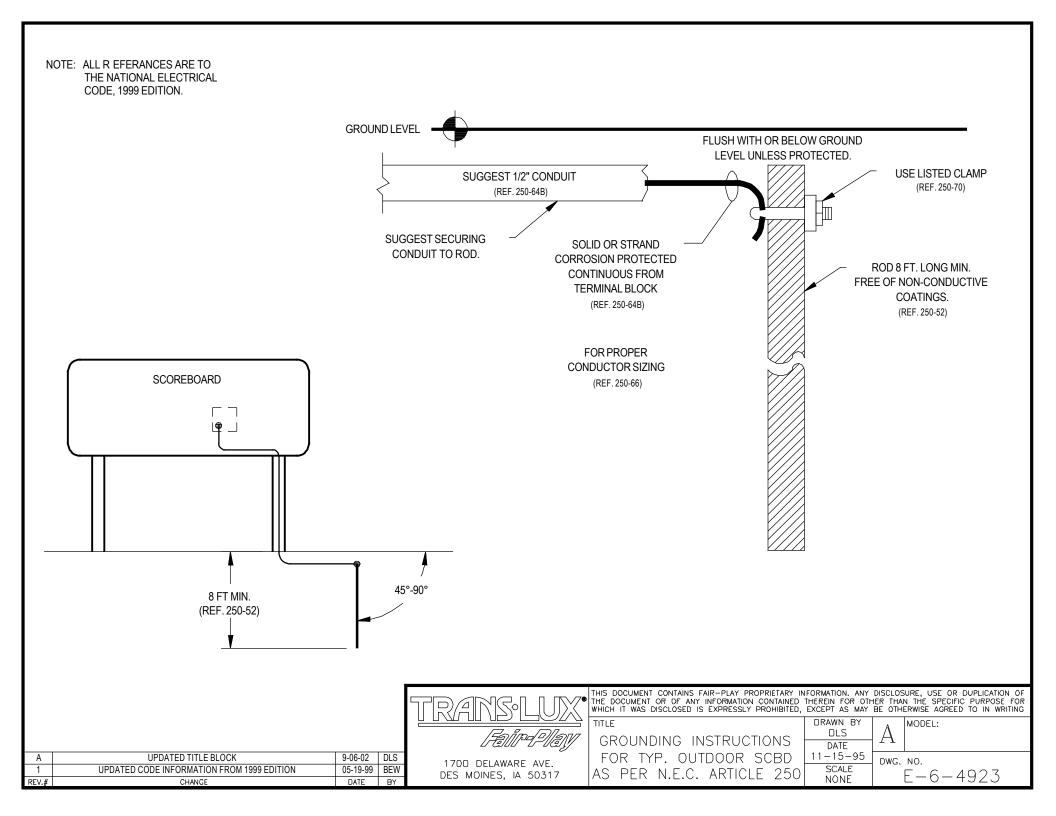




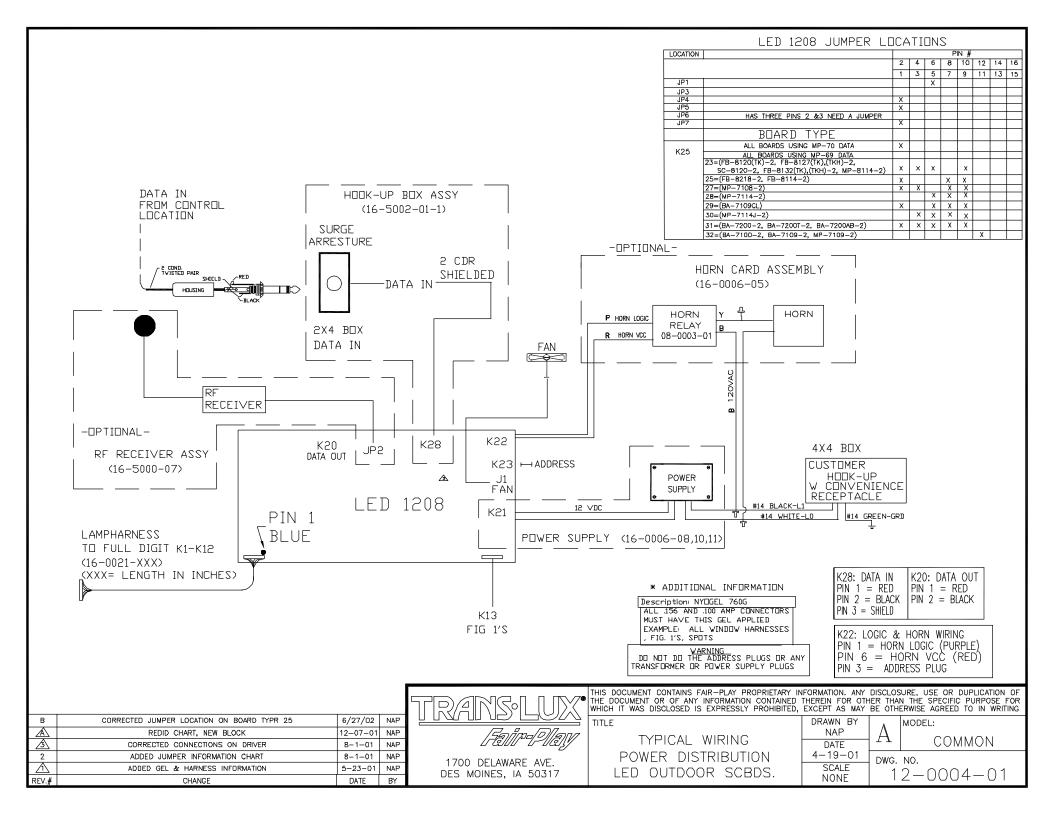


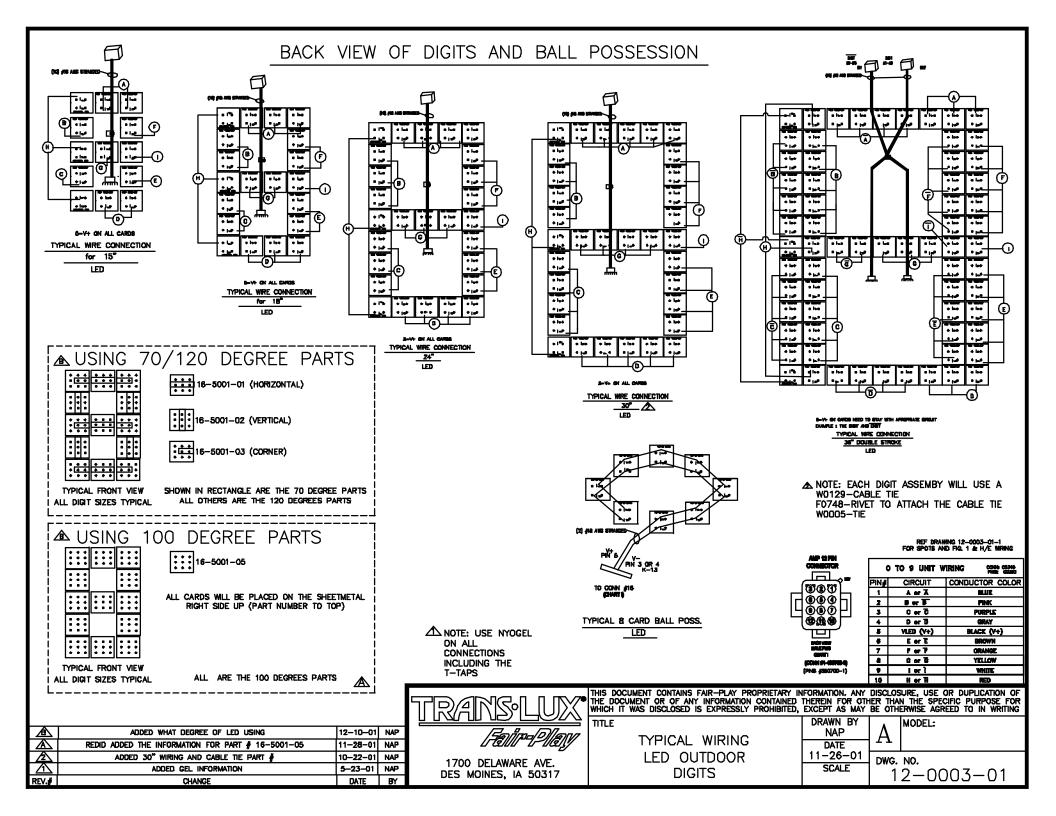
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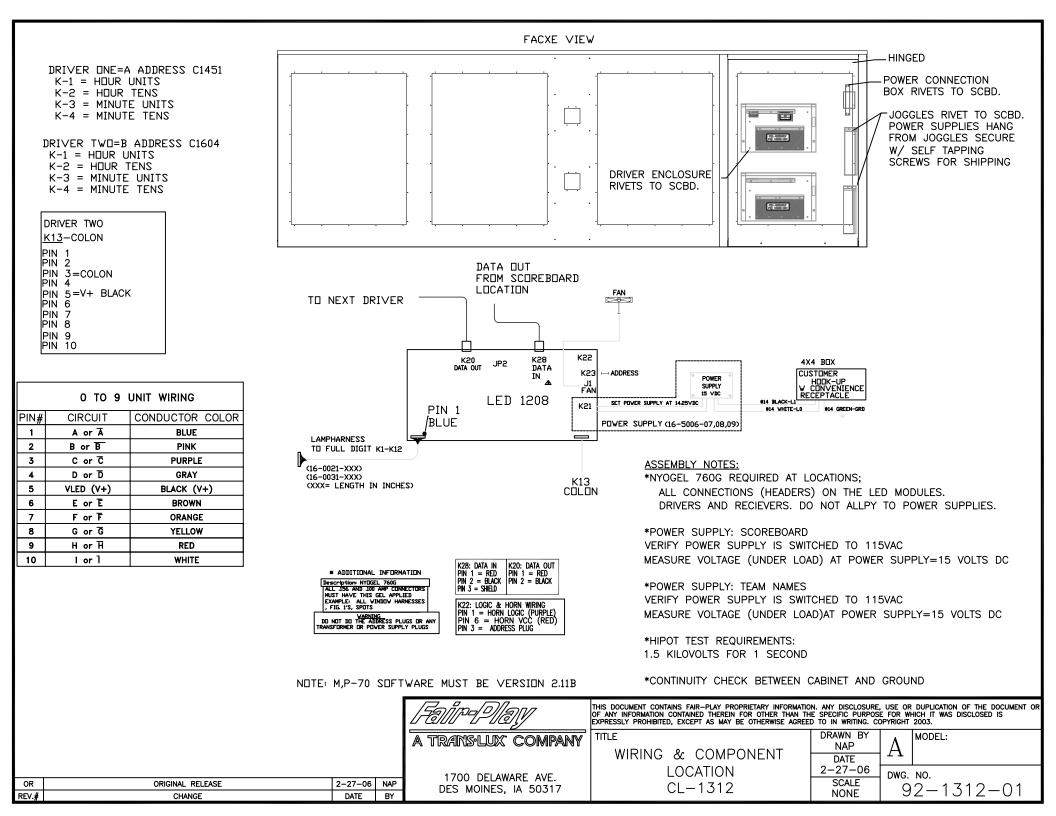


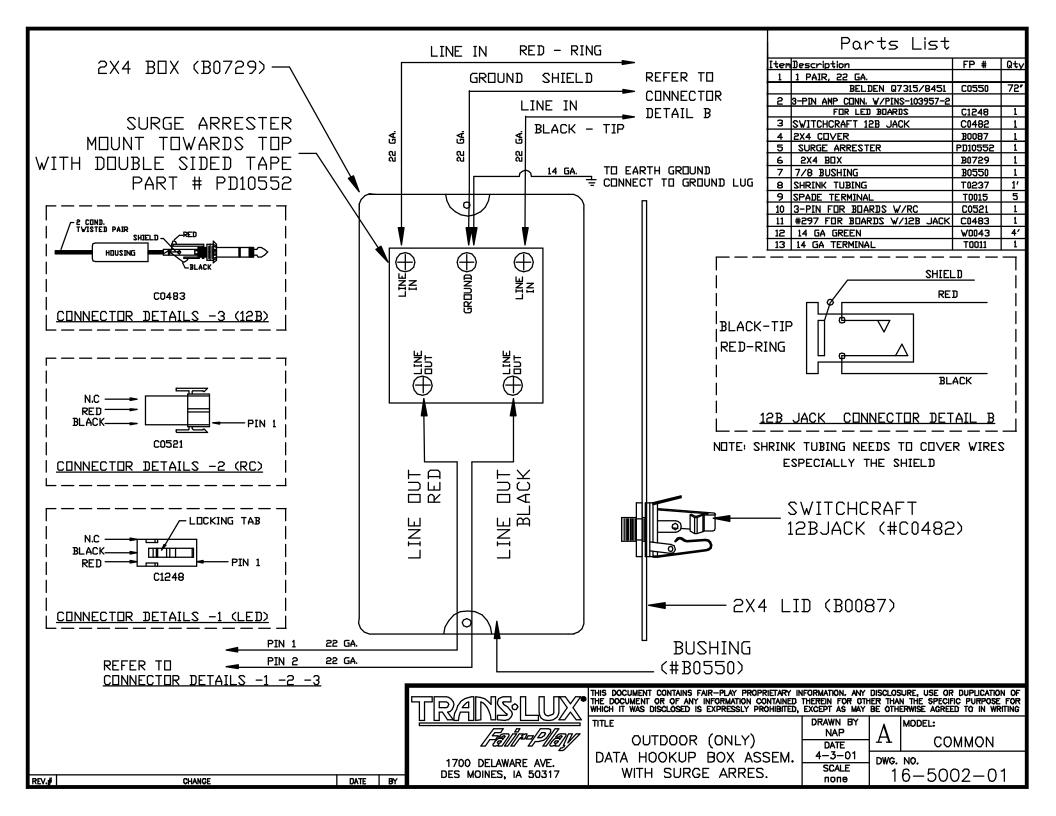


TYPICAL WIRING FOF	r outdoor led 4 digit	GAME	CLOCK					
LED OUTDOOR DRIVER								
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			ADDITIONAL INF scription: NYOGEL 76 L .156 AND .100 AMP JST HAVE THIS GEL (AMPLE: ALL WINDON FIG. 1'S, & SPOTS WARNING NOT DO THE ADDRESS SFORMER OR POWER S	OG CONNECTORS APPLIED W HARNESSES				
K2-MIN TEN	NOTE: WHEN PLUGGING IN HARNESSES TO DRIVER PIN ONE _e (BLUE)							
K3-SEC UNIT K4-SEC TEN	IS TO THE RIGHT	PIN#	CIRCUIT	CONDUCTOR COLOR				
	ADDRESS PLUG	1	A or Ā	BLUE				
K5	DRIVER ONE=RED 8,1 (C1384)	2	B or B	PINK				
K6		3		PURPLE				
K7 K8		4	$\frac{\text{D or }\overline{\text{D}}}{\text{VLED }(\text{V+})}$	GRAY BLACK (V+)				
K9		6	E or E	BROWN				
		7	F or F	ORANGE				
K10		8	G or G	YELLOW				
K11	K22: LOGIC & HORN WIRING	9	l or Ī	WHITE				
K12	PIN 1 = HORN LOGIC (PURPLE) PIN 6 = HORN VCC (RED) PIN 3 = ADDRESS PLUG	10	H or H	RED				
K13	PIN 3 = ADDRESS PLUG	RANS•LUX•	HIS DOCUMENT CONTAINS FAIR-PLAY PROPR HE DOCUMENT OR OF ANY INFORMATION CO HICH IT WAS DISCLOSED IS EXPRESSLY PRO	RETARY INFORMATION, ANY DISCLOSURE, USE OR DUPLICATION OF NIAINED THEREIN FOR OTHER THAN THE SPECIFIC PURPOSE FOR DHIBITED, EXCEPT AS MAY BE OTHERWISE AGREED TO IN WRITING				
		ITOO DELAWARE AVE. DES MOINES, IA 50317	TYPICAL WIRING OUTDOOR LED 4 DIGIT GAME CLOCH	Drawn BY DLS B Model: Date 3/7/02 B Model: Scale Dwg. ND. NONE 12-0003-11				

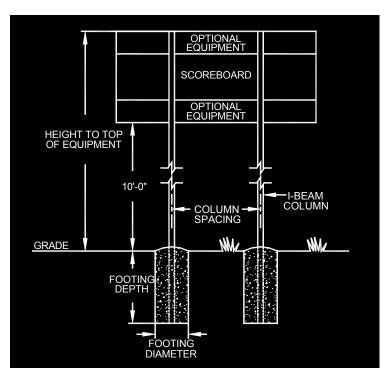








COLUMNS and FOOTINGS



- Notes: Read thoroughly before selecting columns & footings.
- Reference chart on back side for columns and footings.
- The column length equals all component heights + 10'-0" (above grade) + footing depth. See item "A" below if installing a top mounted pendant sign.
- This chart does not support 2-sided installations.
- Columns and footings are selected for locating scoreboard & components 10'-0" above grade. Wind load: 30psf (80 mph). Soil: average with allowable stresses of 2500 psf.
- Design should be altered for different soil conditions, clearance, or local codes.
- If your scoreboard size is not listed check with your local Fair-Play representative or seek the services of a local Engineer. This chart does not support equipment with end signs.
- Reference your installation Manual for back view hanger details and proper column spacing.
- "A" When calculating column length, do not include any <u>top</u> mounted Pendant sign models. These signs fasten to the edge of the scoreboard and do not require columns.
- While Fair-Play believes the instructions contained herein are accurate and correct, in light of varying soil and other conditions, Fair-Play does not warrant the accuracy or correctness of such instructions and there are no warranties, expressed or implied including but not limited to any warranties of merchantability or fitness for a particular purpose.
- In no event shall Fair-Play be liable to dealer or its customer for any indirect, special or consequential damages or lost profits arising out of or related to this sale or the performance or breach thereof even if Fair-Play has been advised of the possibility thereof. Fair-Play's liability to dealer, if any, in connection with this sale shall in no event exceed the total amount paid by dealer for the scoreboard & sign equipment furnished by Fair-Play.

COLUMNS and FOOTINGS CHART

Length of														
Scoreboard	8'	8'-6"	9'	10'	12'	14'	16'	18'	20'	24'	27'	32'	36'	45'
# of Columns	2	2	2	2	2	2	2	see	2	2	2	3	4	5
Spacing	4'-0"	4'-3"	4'-0"	5'-0"	6'-0"	8'-0"	8'-0"	installation	10'-0"	12'-0"	13'-6"	10'-6"	9'-0"	9'-0"
Height from														
grade to top														
of equipment														
13-14 ft	W6 X 9	W6 X 9	W6 X 9	W6 X 9	W6 X 9	W8 X 10	W10 X 12	W10 X 12	W8 X 13	W8 X 13	W8 X 15	W8 X 13	W10 X 13	W10 X 13
	2'-0" dia	2'-0" dia	2'-0" dia	2'-0" dia	2'-0" dia	2'-6" dia	2'-6" dia	2'-6" dia	2'-6" dia	2'-6" dia	2'-6" dia	2'-6" dia	2'-6" dia	2'-6" dia
	4'-6" deep	4'-6" deep	4'-6" deep	5'-0" deep	5'-0" deep	5'-0" deep	5'-0" deep	5'-6" deep	5'-6" deep	6'-0" deep	6'-6" deep	6'-0" deep	6'-0" deep	6'-0" deep
15-16 ft	W8 X 10	W8 X 10	W10 X 12	W8 X 13	W8 X 13	W10 X 15	W10 X 15	W10 X 17	W10 X 17	W10 X 19	W10 X 19	W8 X 18	W8 X 15	W8 X 15
	2'-6" dia	2'-6" dia	2'-6" dia	2'-6" dia	2'-6" dia	2'-6" dia	2'-6" dia	2'-6" dia	2'-6" dia	2'-6" dia	2'-6" dia	2'-6" dia	2'-6" dia	2'-6" dia
	5'-0" deep	5'-0" deep	5'-0" deep	5'-0" deep	5'-6" deep	6'-0" deep	6'-0" deep	6'-6" deep	6'-6" deep	7'-0" deep	7'-6" deep	7'-0" deep	6'-6" deep	6'-6" deep
17-18 ft	W8 X 13	W10 X 15	W8 X 15	W12 X 16	W8 X 15	W10 X 17	W12 X 19	W10 X 19	W8 X 21	W10 X 2	W10 X 22	W8 X 21	W10 X 19	W10 X 19
	2'-6" dia	2'-6" dia	2'-6" dia	2'-6" dia	2'-6" dia	2'-6" dia	2'-6" dia	2'-6" dia	2'-6" dia	2'-6" dia	2'-6" dia	2'-6" dia	2'-6" dia	2'-6" dia
	5'-6" deep	5'-6" deep	5'-6" deep	6'-0" deep	6'-0" deep	6'-6" deep	7'-0" deep	7'-0" deep	7'-6" deep		8'-6" deep	7'-6" deep	7'-0" deep	7'-0" deep
19-20 ft	W8 X 15	W10 X 17	W10 X 17	W12 X 19	W10 × 19	W8 X 21	W12 x 22	W10 X 22	W10 X 22		W10 X 26	W10 X 26	W10 X 22	W10 X 22
	⊐2'-6" dia	2'-6" dia	2'-6" dia	2'6" dia/	2'-6" dia	_2[-6" dia	2'-6" dia	(2'-6" dia	2'-6" dia					
	6'-0" deep	_6' _0 " deep	6'-0" deep	6'-6" deep	7'-0" deep	7'-6' deep	7'-6 ' deep	8-0"deep	8-6" deep	9'-0"-deep	9'-0" deep	8'-6" deep	8'-0" deep	8'-0" deep
21-22 ft	W10 X 19	W8 X 18	W10 X 19	W12 X 22	W10 X 22	W10 X 22	W12 X 26	W10 X 30	W10 X 26	W10 X 39	W12 X 30	W12 X 30	W12 X 26	W12 X 26
	2'-6" dia	2'-6" dia	2'-6" dia	2'-6" dia	2'-6" dia	2'-6" dia	3'-0" dia	2'-6" dia	2'-6" dia	2'-6" dia	3'-0" dia	3'-0" dia	3'-0" dia	3'-0" dia
	6'-6" deep	6'-6" deep	6'-6" deep	7'-0" deep	7'-6" deep	8'-0" deep	7'-6" deep	8'-6" deep	9'-0" deep	9'-6" deep	9'-6" deep	8'-6" deep	8'-0" deep	8'-0" deep
23-24 ft	W10 X 22	W10 X 22	W10 X 22	W10 X 22	W10 X 26	W14 X 30	W12 X 26	W12 X 30	W12 X 30	W10 X 45	W12 X 35	W12 X 35	W10 X 30	W10 X 30
	2'-6" dia	2'-6" dia	2'-6" dia	2'-6" dia	2'-6" dia	3'-0" dia	3'-0" dia	3'-0" dia	3'-0" dia	2'-6" dia	3'-0" dia	3'-0" dia	2'-6" dia	2'-6" dia
	7'-0" deep	7'-0" deep	7'-0" deep	7'-6" deep	8'-0" deep	8'-0" deep	8'-6" deep	8'-6" deep	9'-0" deep	10'-6" deep	10'-0" deep	9'-0" deep	9'-6" deep	9'-6" deep
25-26 ft	W10 X 22	W10 X 22	W10 x 26	W10 x 26	W10 x 26	W14 X 34	W12 X 30	W12 X 35	W12 X 35	W12 X 50	W16 X 45	W12 X 40	W12 X 35	W12 X 35
	2'-6" dia	2'-6" dia	2'-6" dia	2'-6" dia	2'-6" dia	3'-0" dia	3'-0" dia	3'-0" dia	3'-0" dia	3'-0" dia	3'-6" dia	3'-0" dia	3'-0" dia	3'-0" dia
	7'-6" deep	7'-6" deep	7'-6" deep	8'-0" deep	8'-6" deep	8'-6" deep	9'-0" deep	9'-0" deep	9'-6" deep	10'-0" deep	10'-0" deep	10'-0" deep	9'-0" deep	9'-0" deep
27-28 ft	W10 X 26	W10 X 26	W10 X 26	W12 X 30	W12 X 30	W14 X 38	W12 X 35	W12 X 40	W12 X 40	W12 X 53	W18 X 50	W14 X 43	W12 X 35	W12 X 35
	2'-6" dia	2'-6" dia	2'-6" dia	3'-0" dia	3'-0" dia	3'-0" dia	3'-0" dia	3'-0" dia	3'-0" dia	3'-0" dia	3'-6" dia	3'-0" dia	3'-0" dia	3'-0" dia
	8'-0" deep	8'-0" deep	8'-0" deep	8'-0" deep	8'-6" deep	9'-0" deep	9'-6" deep	10'-0" deep	10'-0" deep	11'-0" deep	10'-6" deep	10'-6" deep	10'-0" deep	10'-0"deep
29-30 ft	W10 X 30	W10 X 30	W10 X 30	W12 X 35	W12 X 35	W14 X 38	W12 X 40	W12 X 50	W14 X 48	W14 X 53	W18 X 55	W16 X 50	W14 X 43	W14 X 43
	2'-6" dia	2'-6" dia	2'-6" dia	3'-0" dia	3'-0" dia	3'-0" dia	3'-0" dia	3'-0" dia	3'-0" dia	3'-6" dia	3'-6" dia	3'-6" dia	3'-0" dia	3'-0" dia
	8'-0" deep	8'-6" deep	8'-6" deep	8'-6" deep	9'-0" deep	9'-6" deep	10'-0" deep	10'-6" deep		11'-0" deep				
31-32 ft	W12 X 30	W12 X 30	W12 X 35	W14 X 38	W14 X 38	W14 X 43		W14 X 53	W14 X 48		W18 X 60	W18 X 55	W14 X 43	W14 X 43
	3'-0" dia	3'-0" dia	3'-0" dia	3'-0" dia	3'-0" dia	3'-0" dia	3'-0" dia	3'-6" dia	3'-0" dia	3'-6" dia	3'-6" dia	3'-6" dia	3'-0" dia	3'-0" dia
	8'-0" deep	8'-0" deep	8'-6" deep	8'-6" deep	9'-6" deep		10'-6" deep	10'-0" deep		11'-6" deep				
33-34 ft	W14 X 34	W12 X 35	W12 X 35	W14 X 38	W12 X 45	W14 X 43	W12 X 53	W14 X 53	W14 X 53	W14 X 61	W18 X 65	W18 X 60	W14 X 48	W14 X 48
	3'-0" dia	3'-0" dia	3'-0" dia	3'-0" dia	3'-0" dia	3'-0" dia	3'-0" dia	3'-6" dia	3'-6" dia	3'-6" dia	3'-6" dia	3'-6" dia	3'-0" dia	3'-0" dia
	8'-6" deep	8'-6" deep	9'-0" deep	9'-0" deep	9'-6" deep	10'-6" deep	11'-0" deep	10'-6" deep	11'-0" deep	12'-0" deep	12'-6" deep	11'-6" deep	11'-0' deep	11'-0' deep

	WIRELESS		SIZE		EST.	POWER		CTRL	LAMPS	HANGER	
	OPTIONAL	"A" LENGTH	"B" HEIGHT	DEPTH	WT. (LBS.)	VAC	TOTAL WATTS			TYPE	DIM. CTR. TO CTR.
CL-1020-2	Х	7'-0"	2'-0"	9.75"	61	1	57	1	1	1	1
CL-1031-2	Х	8'-6"	3'-0"	9.75"	150	1	117	1	1	1	2
CL-1312		12'-0"	4'-0"	10"	225	1	329	1	1	2	5
CL-2636-2		26'-0"	3'-0"	10"	488	1	53	1	1	2	4
CL-9002-2	Х	10'-0"	6'-0"	9.75"	276	1	119	1	1	1	3
HANGER TYPE:	1= FLAT POWER-VAC: 1=120 VAC, 60 Hz, 2 WIRE 2= STANDARD Z 1=120 VAC, 60 Hz, 2 WIRE										

OUTDOOR LED CLOCK DATA CHART

HANGER SPACING: 1= W=3'-6", X=1'-4 3/4" 2=W=5'-6", X=2'-5" 3=W=6'-6", X=5'-5" 4=W=13'-0",X=1'-6" 5=W=6'-0",X=2,-6" CONTROLS: 1=MP-70

LAMP TYPE: 1=LED

* CONTROL CABLE TYPICAL=C0550, 1-PAIR, 22 GAUGE, ((1) PER CLOCK)

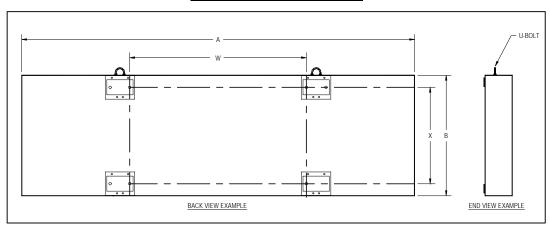
CAUTION:

WATER INGRESS

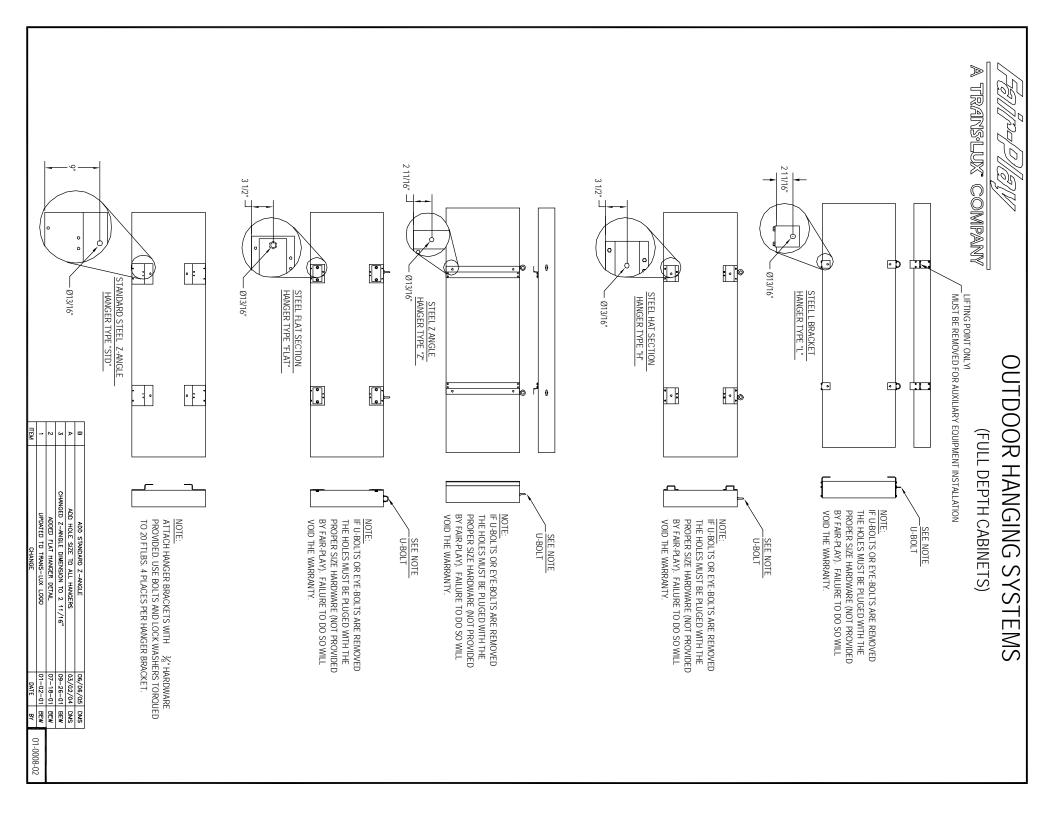
NO ADDITIONAL PENETRATIONS MAY BE CREATED IN THE PRODUCT UNLESS THEY ARE SEALED PER NEMA 4 STANDARD. ALL FIE PENETRATIONS MUST BE TESTED USING A STREAM OF WATER POURED FROM A CONTAINER LOCATED NOT LESS THAN 6" AWAY HORIZONTALLY. WARRANTY WILL BE VOID IF THIS TESTING IS NOT COMPLETED DURING INSTALLATION, OR IF THERE IS WATER IN FROM FIELD MODIFICATIONS. ANY CABINETS LOCATED ABOVE THE PRODUCT MUST NOT ALLOW WATER TO BUILD UP AND THEN THROUGH CONDUITS INTO THE PRODUCT. PENETRATIONS BETWEEN PRODUCT AND HIGHER CABINETS MUST BE SEALED BETWE CABINET INTERNAL SPACES USING WATER TIGHT CABLE TO CONDUIT SEALS. HOLES REMAINING FROM EYE BOLT REMOVAL MUS FILLED, SEALED AND TESTED.

VENTILATION

INSTALL PRODUCT SO THAT AIR FLOW IS NOT RESTRICTED. CUSTOMER'S STRUCTURE MUST ALLOW FOR THE FREE FLOW OF OL AMBIENT AIR TO THE PRODUCT, WITHOUT RECIRCULATION OF AIR. WARRANTY WILL BE VOID IF COMPONENTS FAIL DUE TO AIR F RESTRICTIONS.



OUTDOOR CLOCK HANGER DETAIL





TROUBLE SHOOTING OUTDOOR SCOREBOARDS

Problem:

Scoreboard does not light or function.

Random lights or LED's, scoreboard not functioning correctly.

Miscellaneous lamps or LED's not lighting or staying lit all the time

- Solution:
- 1. Check scoreboard breaker.
- 2. Make sure connectors on processors are seated properly.
- 3. Check power at the scoreboard. If there is no power at the scoreboard, call an electrician.
- 1. Check to see if the controller is operating properly. Check power at the controller location. Check data cable plug and connectors.
- 2. Plug the controller into the data in on the processor located in the scoreboard. If the scoreboard runs, you need to replace the data cable.
- 3. Install spare processor, if this works send in old processor for repair.
- 4. If the above steps don't work, send in the controller for repair.
- 1. If a complete digit is not working, check the connector on the processor.
- 2. If a single lamp is not lighting, change it with a lamp of the same type & rating. If a single LED is not lighting, change the entire 3 x 3 pixel (PCA card). Replace with correct part number located on back of card.
- 3. If lamps are staying lit, install spare processor or call authorized Fair-Play dealer.



TRANS-LUX MIDWEST CORPORATION d.b.a. Fair-Play Scoreboards

LIMITED SCOREBOARD WARRANTY

Fair-Play provides a limited five-year warranty when its permanently mounted scoreboards and scoreboard controllers are operated and maintained according to the owner's instructions furnished with the equipment. Such limited warranty is two years for portable scoreboards. This warranty covers all electronic components, including LEDs, for five or two years as applicable from the date of invoice that prove to be defective in material or workmanship. Our #161 and #655-type indoor lamps are warranted on a ten-year factory exchange basis from the date of invoice.

Warranted for one year are mechanical control panel switches, connectors, horns and visual goal indicators. Wireless control components are warranted for two years. Wireless control devices even if not defective may not function reliably in certain environments or otherwise due to outside causes beyond Seller's control, including but not limited to cell phones or portable computers. In the event it is determined a wireless device during the ninety (90) day period following shipment does not function in accordance with its specification without repeated errors or is otherwise consistently unreliable, and Seller determines repair or replacement thereof is not likely to improve performance, at Purchaser's request, upon return to Seller postage prepaid in like new condition within such time period, Seller's sole obligation shall be to refund the entire purchase price of such device. Thereafter Seller's sole obligation shall be to repair or replace, other non- wireless defective components for the balance of the warranty period without responsibility or liability for claims for unreliable performance not due to defects. Batteries, battery packs and battery recharging equipment are warranted for thirty (30) days, except for defects arising from misuse, abuse, negligence or other exclusions set forth below. In no event will Fair-Play have any obligation for any damage caused by defective batteries, battery packs and battery recharging equipment. Also warranted for 30 days are outdoor portable scoreboard carts.

Fair-Play's sole obligation during the applicable warranty period is to repair or replace any defective items. Defective assemblies or components are to be returned postage prepaid to Fair-Play's service center, after obtaining a return authorization number, for repair or replacement at no cost to the owner during the applicable warranty period. Replacement parts may be either new or like-new. Return shipping costs after repair will be paid by Seller except for overnight, express or special shipping costs which shall be paid by Purchaser.

Excluded from this warranty are fuses, major components provided by other manufacturers including, but not limited to, computers, rotating signs, power distribution panels, disconnect switches and components of rear-illuminated or lighted signs. The other manufacturer's warranty will apply to such components. Also excluded from this warranty are electronic signs or message centers and related controls. These items are covered by their own specific warranty.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES OF SELLER, EXPRESS OR IMPLIED, AND, EXCEPT TO THE EXTENT HEREIN PROVIDED, SELLER DOES NOT MAKE ANY WARRANTY WHATSOEVER INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR USE OR PURPOSE.

Fair-Play shall not be liable for any incidental, special or consequential damages nor any other loss that may arise in connection with its warranted equipment or any claims under this warranty. (Individual states may have limitations on the length of implied warranties.)

This warranty does not cover shipping damages or problems which result from improper installation of your equipment. (Promptly inspect shipment for visible or concealed damages and report immediately to the delivering carrier.)

Under no circumstances shall this warranty apply if the warranted products have been subject to abuse, misuse, neglect, sabotage, acts of terrorists, negligence, accident, or any casualties or abnormal conditions, including without limitation fire, civil disorders, war, flood, lightning or acts of God. Nor does this warranty cover labor or damage resulting from, or problems caused by, any repair, alteration, modification, or adjustment of the warranted scoreboard(s) or components not performed by Fair-Play.

This warranty extends only to the original purchaser of the warranted products, and is not transferable. For information on extended warranties contact your Fair-Play dealer. In the event authorized Fair-Play dealers make extensions to or provide additional service for Fair-Play products, Fair-Play assumes no liability therefore other than the specific warranty set forth above in this Limited Warranty.

Fair-Play Scoreboards - A Division of Trans-Lux Midwest Corporation For Service contact: Trans-Lux Repair Center, 110 Richards Avenue, Norwalk, CT 06854 Telephone: 800-462-2716 Fax: (203) 831-8827 Internet Address - www.fair-play.com

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