

**Portable LED  
Basketball Scoreboards**  

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**Display Manual**

ED-13315

Rev 2 – 14 December 2010

# DAKTRONICS

Models
BB-114
BB-314



*Please fill in the information below to use for reference when calling Daktronics for assistance.*

**Display Serial No.** \_\_\_\_\_

**Display Model No.** \_\_\_\_\_

**Date Installed** \_\_\_\_\_

## **DAKTRONICS, INC.**

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# Section 1: Introduction

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This manual explains the installation, maintenance, and troubleshooting of Daktronics portable LED basketball scoreboards. For additional information regarding the safety, installation, operation, or service of this system, refer to the telephone numbers listed in **Section 4.5**. This manual is not specific to a particular installation.

## Important Safeguards:

- Please read and understand all instructions before beginning the installation process.
- Do not drop control equipment or allow it to get wet.
- Do not disassemble control equipment or electronic controls of the display; failure to follow this safeguard will make the warranty null and void.
- Disconnect display power when not in use or when servicing.
- Disconnect display power before servicing power supplies to avoid electrical shock. Power supplies run on high voltage and may cause physical injury if touched while powered.
- Do not modify the scoreboard structure or attach any panels or coverings to the scoreboard without the express written consent of Daktronics, Inc.

Project-specific information takes precedence over any other general information found in this manual.

## 1.1 Resources

**Figure 1** illustrates a Daktronics drawing label. The drawing number is located in the lower-right corner of a drawing. This manual refers to drawings by listing the last set of digits and the letter preceding them. In the example, the drawing would be referred to as **Drawing C-325405**.

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DAKTRONICS, INC. BROOKINGS, SD 57006			
PROJ: DAKTRONICS UNIVERSITY			
TITLE: SYSTEM RISER DIAGRAM			
DES. BY: AORMESH		DRAWN BY: AORMESH	DATE: 15 JAN 08
REVISION	APPR BY:	14963-R01	C-325405
00	SCALE: NONE		

Drawing Number

**Figure 1:** Daktronics Drawing Label

### Reference Drawing:

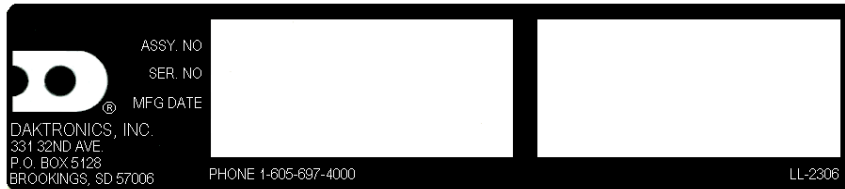
System Riser Diagram ..... **Drawing C-325405**

Daktronics identifies manuals by the DD or ED number located on the cover page of each manual. For example, this manual would be referred to as **ED-13315**.

Please list the model number, display serial number, and the date this display became operational in the blanks provided on the second page of this manual. When calling Daktronics customer service, please have this information available to ensure the request is serviced as quickly as possible.

## 1.2 Daktronics Nomenclature

The serial and model numbers of a Daktronics scoreboard can be found on the ID label on the display as shown in **Figure 2**.

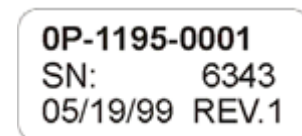


**Figure 2:** Scoreboard ID Label

Most components within this display carry a white label that lists the part number of the unit. If a component is not found in the Replacement Parts List in **Section 4.3**, use the label to order a replacement. **Figure 3** illustrates a typical label. The part number is in bold.

Main Component Labels	
Part Type	Part Number
Individual circuit board	<b>0P-XXXX-XXXX</b>
Assembly; a collection of circuit boards	<b>0A-XXXX-XXXX</b>
Wire or cable	<b>W-XXXX</b>
Fuse	<b>F-XXXX</b>
Transformer	<b>T-XXXX</b>
Metal part	<b>M-XXX</b>
Fabricated metal assembly	<b>0S-XXXXXX</b>
Specially ordered part	<b>PR-XXXXX-X</b>

Accessory Labels	
Component	Label
Termination block for power or signal cable	<b>T<u>BXX</u></b>
Grounding point	<b>E<u>XX</u></b>
Power or signal jack	<b>J<u>XX</u></b>
Power or signal plug for the opposite jack	<b>P<u>XX</u></b>



**Figure 3:** Typical Label

Following the Replacement Parts List is the Daktronics Exchange Policy and the Repair & Return Program. Refer to these instructions if replacing or repairing any display component.

## 1.3 Model Number

Daktronics scoreboards are differentiated by their model numbers and two-letter prefixes for each sport. Most Daktronics scoreboards also carry a two-number suffix that refers to the type of power supply and digit type.

<b>BB</b>	Basketball	<b>-13</b>	120 V, with PanaView digits
		<b>-14</b>	230 V, with PanaView digits



## 1.4 Control Consoles

Daktronics portable LED basketball scoreboards are designed for use with All Sport® 100, 5000, and 5500 series control consoles. All controllers use keyboard overlays (sport inserts) to control numerous sports and scoreboard models. Refer to the following manuals for operating instructions:

<b>Model</b>	<b>Control Console</b>
BB-114	All Sport 5000 Series Control Console Operations Manual (ED-11976)
	All Sport 100 Control Console Operations Manual (ED-13432)
BB-314	All Sport 5500 Series Control Console Operations Manual (ED-16809)

Each control console manual is available online at <http://www.daktronics.com/manuals>.



## Section 2: Specifications

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This section lists all of the mechanical specifications, circuit specifications and maximum power requirements for each scoreboard model in alphanumeric order.

- Models with a **-13** suffix operate at **120 V AC**.
- Models with a **-14** suffix operate at **230 V AC**.

<b>Model</b>	<b>Dimensions: Height, Width, Depth</b>	<b>Weight</b>	<b>Watts</b>	<b>Amps</b>
BB-114-13	H1'-6", W3'-0", D6" (457 mm, 914 mm, 152 mm)	20 lb (9 kg)	40 W	0.3 A
BB-114-14	H1'-6", W3'-0", D6" (457 mm, 914 mm, 152 mm)	20 lb (9 kg)	40 W	0.2 A
BB-314-13	H1'-6", W3'-0", D6" (457 mm, 914 mm, 152 mm)	20 lb (9 kg)	40 W	0.3 A



## Section 3: Mechanical & Electrical Installation

### Reference Drawings:

Mechanical Spec, BB-114/314-13.....	Drawing A-164217
Electrical & Signal Spec, BB-114/314-13.....	Drawing A-164222

### 3.1 Mechanical Installation

While the scoreboards in this manual are portable, they may also be permanently mounted to a wall using the brackets provided by Daktronics. **Drawing A-164217** includes details for wall mounting.

The scoreboards in this manual are equipped with a handle on the top for easy transport.

**Note:** The handles are designed for carrying only and are not to be used as a temporary hanger or for permanent mounting.

### 3.2 Power & Signal

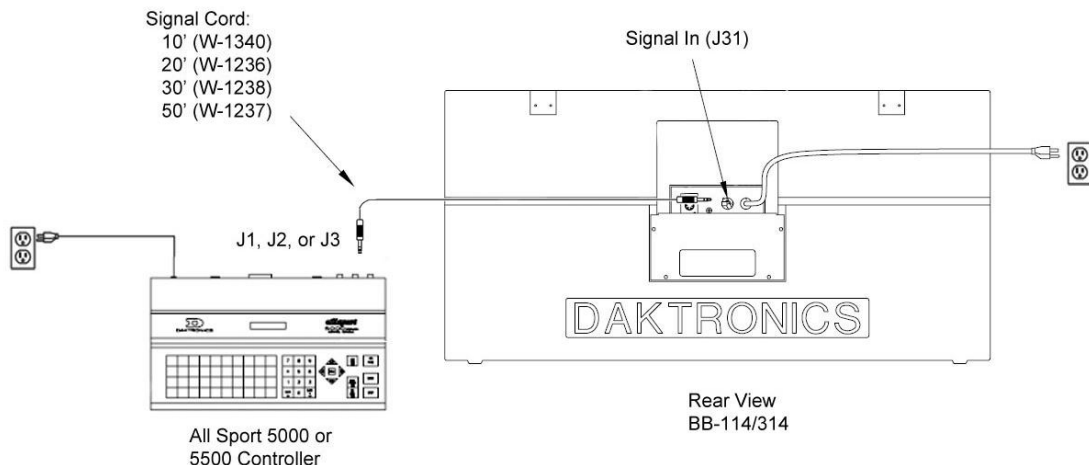
Route all power and signal connection cables to and from the back of the display through the channel on the back of the display, as illustrated in **Drawing A-164217**.

Power for the display is provided via a standard 120 V AC circuit. Signal is provided via 2-pair, shielded cable, 22 AWG.

The display will not power on unless connected to an All Sport controller. **Drawing A-164222** depicts the signal connection jacks located on the rear of the display.

The display is equipped with a ¼" phono jack to connect to the All Sport 5000 (BB-114) and All Sport 5500 (BB-314) control consoles (**Figure 4**).

1. Plug the phono cable into the J31 jack on the rear of the display.
2. Plug the other end of the cable into the J1, J2, or J3 jack of the console.

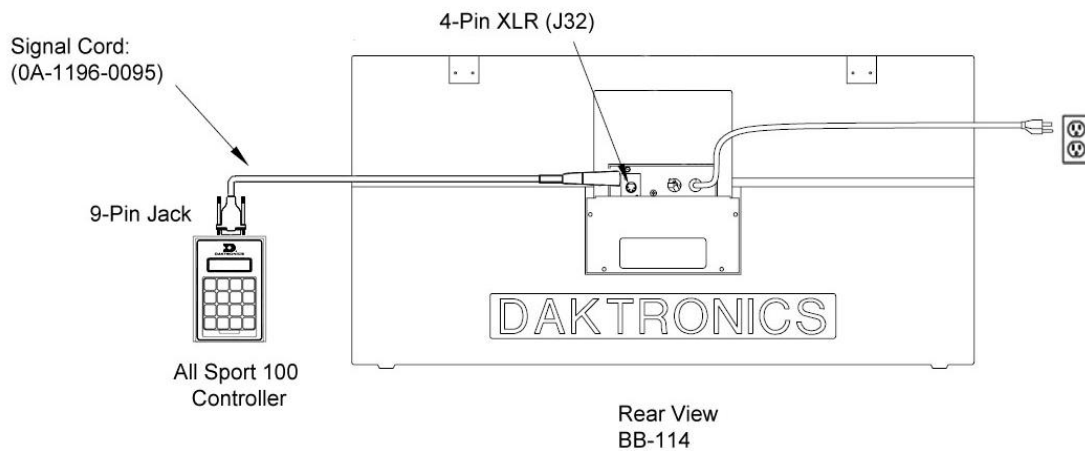


**Figure 4:** All Sport 5000/5500 Setup

The display is also equipped with a 4-pin XLR jack to connect the All Sport 100 hand-held controller to the BB-114 scoreboard only (**Figure 5**).

1. Plug the 4-pin end of the control cable into the XLR J32 jack at the rear of the BB-114.
2. Plug the other end of the control cable into the 9-pin jack on the top of the controller.

The XLR cable transmits both signal output to the scoreboard and power input to the control console. Extension XLR cables are available from Daktronics.



**Figure 5:** All Sport 100 Setup

## Section 4: Maintenance & Troubleshooting

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### **IMPORTANT NOTES:**

1. Disconnect power before doing any repair or maintenance work on the display.
2. Permit only qualified service personnel to access internal display electronics.
3. Disconnect power when not using the display.

### **4.1 Component Location & Access**

#### **Reference Drawings:**

Schematic; MDP Portable Scoreboard .....	<b>Drawing A-162968</b>
Electrical & Signal Spec, BB-114/314-13 .....	<b>Drawing A-164222</b>

**Drawing A-164222** shows front and back views of the display, the location of vital components, as well as the location of the hardware used to attach those components.

To gain access to the internal components of the display, simply remove the screws securing the front panels. **Drawing A-162968** illustrates the schematic diagram of the power and signal input wiring.

### **4.2 Replacing Digits**

The display features four individual digit circuit boards which are mounted to the back of the two front panels.

**Note:** In the case of a malfunctioning board, replace the entire digit circuit board. Do not attempt to remove individual LEDs.

To remove a scoreboard digit circuit board:

1. Remove the screws of the front panel that contains the malfunctioning digit.
2. Disconnect the power/signal connector from the back of the digit board. Release the connector by squeezing together the locking tabs while pulling the connector free.
3. Remove the nuts and lift the digit circuit board off the standoff screws.
4. Position a new digit circuit board over the standoff screws and tighten the nuts.
5. Reconnect the power/signal connector.

**Note:** This is a keyed connector and it will attach in one way only. Do not attempt to force the connection.

6. Replace the front panel and fasten on the screws.

## 4.3 Replacement Parts

Refer to the following table for replacement parts.

Description	Daktronics Part #
Clock Section, Amber	0P-1388-0104
Score Digits, Red	0P-1150-0231
Period Digit, Amber	0P-1150-0232
Transformer	T-1082
Horn	DS-1210
Power Cord	W-1111
All Sport 100 Control Cable	0A-1196-0095

## 4.4 Troubleshooting

This section lists potential problems with the display and indicates possible causes. This list does not include every possible problem, but does represent some of the more common situations that may occur.

Symptom/Condition	Possible Cause
Display will not light	<ul style="list-style-type: none"><li>▪ Console not connected or poor connection</li><li>▪ No power to the control console</li><li>▪ No power to the display</li></ul>
Garbled display	<ul style="list-style-type: none"><li>▪ Control console malfunction</li><li>▪ Driver malfunction</li></ul>
Digit will not light	<ul style="list-style-type: none"><li>▪ Black wire to digit broken</li><li>▪ Poor contact at digit connection</li></ul>
Segment will not light	<ul style="list-style-type: none"><li>▪ Broken LED or connection</li><li>▪ Broken wire between driver and digit</li><li>▪ Poor contact at driver connection</li></ul>
Segment stays lit	<ul style="list-style-type: none"><li>▪ Short circuit on digit</li></ul>



## 4.5 Daktronics Exchange and Repair & Return Programs

### Exchange Program

The Daktronics Exchange Program is a quick, economical service for replacing key components in need of repair. If a component fails, Daktronics sends a replacement part to the customer who, in turn, returns the failed component to Daktronics. This not only saves money but also decreases equipment downtime. Customers who follow the program guidelines explained below will receive this service.

### *Before Contacting Daktronics*

Identify these important numbers:

Display Serial Number: \_\_\_\_\_

Display Model Number: \_\_\_\_\_

Contract Number: \_\_\_\_\_

Date Installed: \_\_\_\_\_

Daktronics Customer ID Number: \_\_\_\_\_

To participate in the Exchange Program, follow these steps.

1. Call Daktronics Customer Service.

Market Description	Customer Service Number
Schools (primary through community/junior colleges), religious organizations, municipal clubs and community centers	877-605-1115
Universities and professional sporting events, live events for auditoriums and arenas	866-343-6018

2. When the new exchange part is received, mail the old part to Daktronics.
3. If the replacement part fixes the problem, send in the problem part which is being replaced.
  - a. Package the old part in the same shipping materials in which the replacement part arrived.
  - b. Fill out and attach the enclosed UPS shipping document.
  - c. Ship the part to Daktronics.
4. A charge will be made for the replacement part immediately, unless a qualifying service agreement is in place. In most circumstances, the replacement part will be invoiced at the time it is shipped.

If the failed part or replacement part is not returned to Daktronics within 3 weeks of the ship date, Daktronics will assume that the customer is purchasing the replacement part and will send an invoice for the value of the new sale part. If the part or parts are returned within 2 weeks of the second invoice date, Daktronics will credit the customer for the second invoice.

If after 2 weeks Daktronics has still not received the parts back, the customer must pay the second invoice and will not be credited for the return of the failed part. Daktronics reserves the right to refuse parts that have been damaged due to acts of nature or causes other than normal wear and tear.

## **Repair & Return Program**

For items not subject to exchange, Daktronics offers a Repair & Return Program. To send a part for repair, follow these steps:

- 1. Call or fax Daktronics Customer Service:**  
Refer to the appropriate market number in the chart listed on the previous page.
- 2. Receive a Return Materials Authorization (RMA) number before shipping.**  
This expedites repair of the part.
- 3. Package and pad the item carefully to prevent damage during shipment.**  
Electronic components, such as printed circuit boards, should be placed in an antistatic bag before boxing. Daktronics does not recommend using packing 'peanuts' when shipping.
- 4. Enclose:**
  - name
  - address
  - phone number
  - the RMA number
  - a clear description of symptoms

### *Shipping Address*

Daktronics Customer Service  
RMA #  
201 Daktronics Drive, Dock E  
Brookings, SD 57006

**Fax:** 605-697-4444

## **Daktronics Warranty and Limitation of Liability**

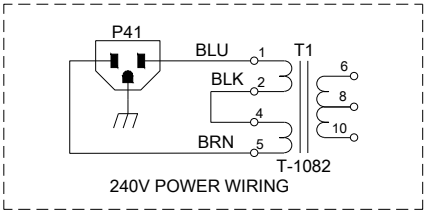
The Daktronics Warranty and Limitation of Liability is located in **Appendix B**. The Warranty is independent of Extended Service agreements and is the authority in matters of service, repair, and display operation.

## **Appendix A: Reference Drawings**

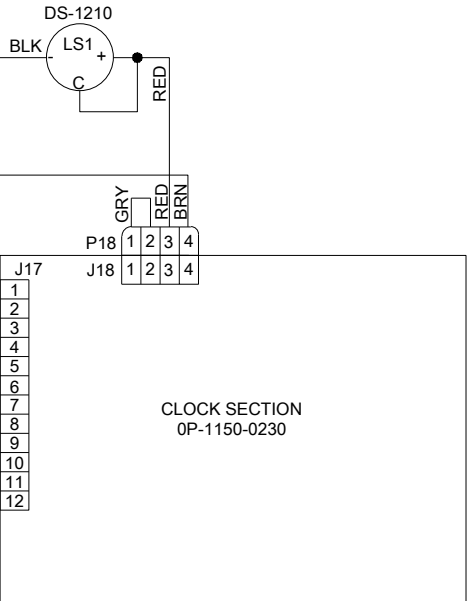
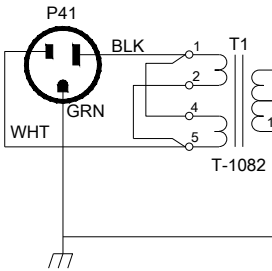
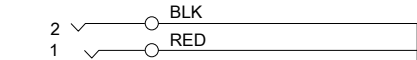
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Schematic; MDP Portable Scoreboard .....	<b>Drawing A-162968</b>
Mechanical Spec, BB-114/314-13 .....	<b>Drawing A-164217</b>
Electrical & Signal Spec, BB-114/314-13.....	<b>Drawing A-164222</b>





J31  
1/4" PHONE JACK  
REFER TO DWG-22129  
FOR PINS OUT



REV	DATE:	MODIFIED GND LINE	BY:
06	19 MAY 08		BLH
REV	DATE:	ADDED PIN #S AND TEXT TO J31, PER ECO 47366.	BY:
05	13 MAY 05		ATP
REV	DATE:	SWITCHED J18 AND P18 TEXT.	BY:
04	30 JUN 03		TLH
REV	DATE:	ADDED DOUBLE CRIMP TO P17 PER ECO# 33189	BY:
03	18 JUL 02		NMB
REV	DATE:	TOOK OUT HOME SCORE, GUEST SCORE, AND PERIOD SECTIONS, REMOVED CONNECTOR HARNESS ATTACHED WITH THESE SECTIONS.	BY:
02	27MAR02		NMB
REV	DATE:	REVISED WIRE COLORS TO MATCH HORN ASSEMBLY.	BY:
01	04MAR02		NMB

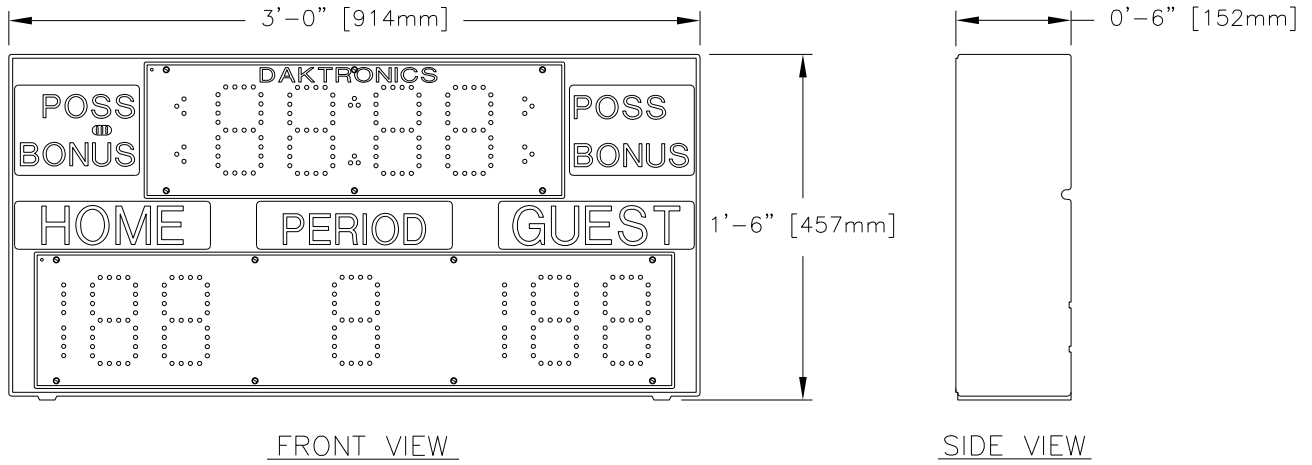


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BROOKINGS, SD 57006

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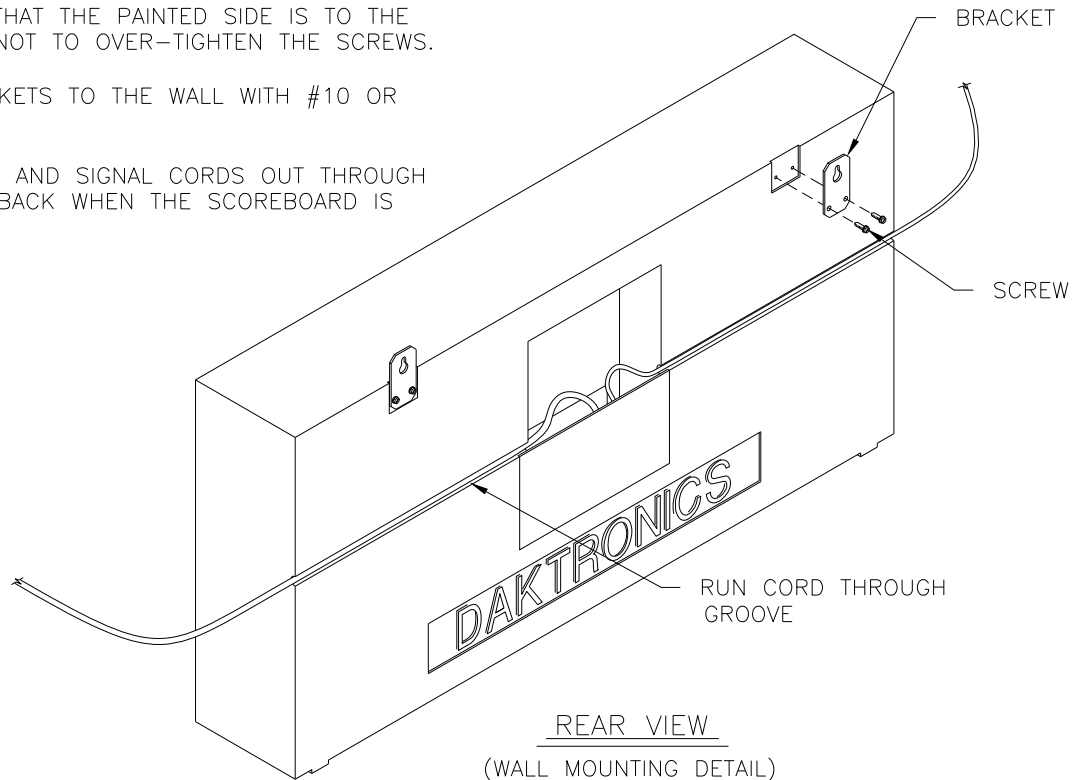
PROJ:		TITLE: SCHEMATIC: MDP PORTABLE SCOREBOARD	
DESIGN: CBRECZI		DRAWN: CBRECZI	
SCALE: 1=1		DATE: 18 FEB 02	
SHEET	REV	JOB NO:	FUNC-TYPE-SIZE
06	P1150		R-03-A
			1629668

BB-114/314



WALL MOUNTING PROCEDURE

1. ATTACH WALL MOUNTING BRACKETS TO THE HOLES IN THE BACK OF THE SCOREBOARD USING THE SCREWS PROVIDED. BE SURE THAT THE PAINTED SIDE IS TO THE FRONT. BE CAREFUL NOT TO OVER-TIGHTEN THE SCREWS.
2. SECURE THE BRACKETS TO THE WALL WITH #10 OR 1/4" HARDWARE.
3. ROUTE THE POWER AND SIGNAL CORDS OUT THROUGH THE GROOVES IN THE BACK WHEN THE SCOREBOARD IS HUNG ON THE WALL.



WEIGHTS	
SHIPPING WEIGHT	MOUNTING WEIGHT
25 LBS (11 KG)	20 LBS (9 KG)

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DAKTRONICS, INC. BROOKINGS, SD 57006

PROJ: STANDARD INDOOR LED SCOREBOARDS

TITLE: MECHANICAL SPEC- BB-114/314-13

DES. BY: BPETERSON

DRAWN BY: BPETERSON

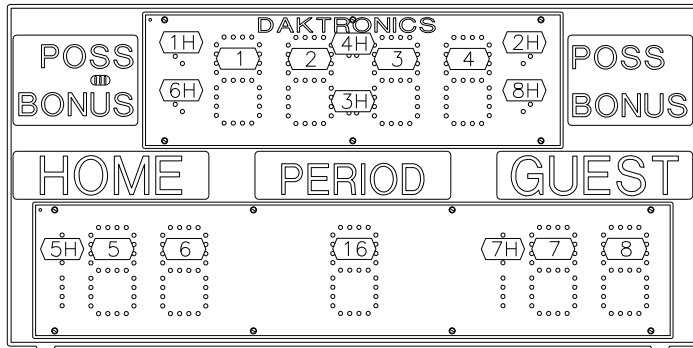
DATE: 15MAR02

REV.	DATE	DESCRIPTION	BY	APPR.
01	30 DEC 09	CHANGED TITLE FROM BB-114-13 TO BB-114/314-13. MOVED "SCREW" LEADER TO POINT TO THE CORRECT LOCATION	JTL	

REVISION	APPR. BY:
01	SCALE: 1=10

1152-E08A-164217

DIGIT AND SIGNAL SPECIFICATIONS:



FRONT VIEW

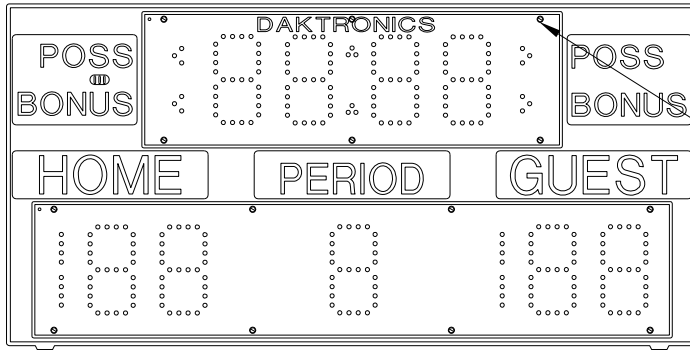
NOTES:

1. THE NUMBER LISTED BY EACH DIGIT INDICATES THE DIGIT DESIGNATION IN RELATION TO THE LED DRIVER.
2. DO NOT WORK ON ENERGIZED DISPLAY UNLESS YOU ARE A CERTIFIED ELECTRICIAN OR DIRECTED BY DAKTRONICS.

ADDRESS INFORMATION

DRIVER:	A1
ADDRESS:	17

COMPONENT LOCATIONS:

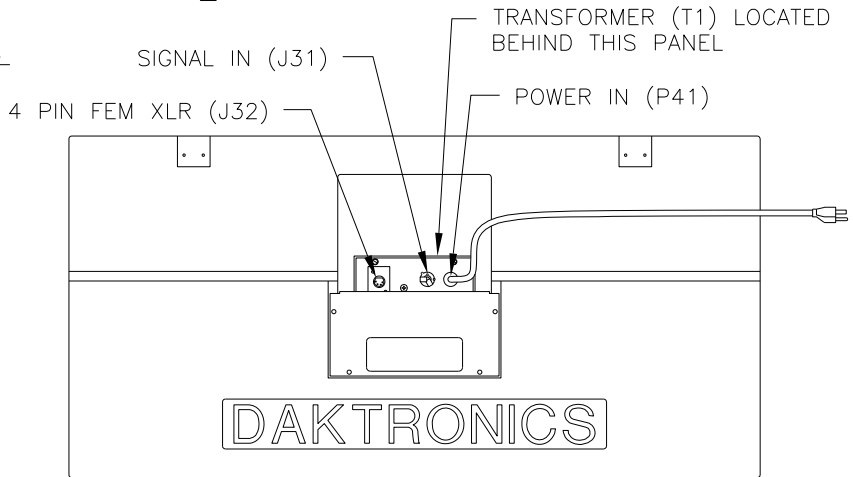


FRONT VIEW

DRIVER COMPONENTS LOCATED BEHIND THIS PANEL REMOVE SIX SCREWS FOR ACCESS.

DIGITS:

- CLOCK: 5" AMBER
- SCORE: 5" RED
- PERIOD: 5" AMBER
- POSSESSION: RED ARROW
- BONUS: AMBER ARROW



REAR VIEW

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DAKTRONICS, INC. BROOKINGS, SD 57006			
PROJ: STANDARD INDOOR LED SCOREBOARDS			
TITLE: ELECTRICAL AND SIGNAL SPEC-BB-114/314-13			
DES. BY: BPETERSON		DRAWN BY: BPETERSON	DATE: 15MAR02
REVISION	APPR. BY:	1152-E08A-164222	
01	SCALE: 1=10		

01	30 DEC 09	CHANGED TITLE FROM BB-114-13 TO BB-114/314-13.	JTL	
REV.	DATE	DESCRIPTION	BY	APPR.





## **Appendix B: Daktronics Warranty and Limitation of Liability**

---



## DAKTRONICS

### WARRANTY AND LIMITATION OF LIABILITY

This Warranty and Limitation of Liability (the "Warranty") sets forth the warranty provided by Daktronics with respect to the Equipment. By accepting delivery of the Equipment, Purchaser agrees to be bound by and accept these terms and conditions. Unless otherwise defined herein, all terms within the Warranty shall have the same meaning and definition as provided elsewhere in the Agreement.

DAKTRONICS WILL ONLY BE OBLIGATED TO HONOR THE WARRANTY SET FORTH IN THESE TERMS AND CONDITIONS UPON RECEIPT OF FULL PAYMENT FOR THE EQUIPMENT.

#### 1. Warranty Coverage

A. Daktronics warrants to the original end-user that the Equipment will be free from Defects (as defined below) in materials and workmanship for a period of one (1) year (the "Warranty Period"). The Warranty Period shall commence on the earlier of: (i) four weeks from the date that the Equipment leaves Daktronics' facility; or (ii) Substantial Completion as defined herein. The Warranty Period shall expire on the first anniversary of the commencement date.

"Substantial Completion" means the operational availability of the Equipment to the Purchaser in accordance with the Equipment's specifications, without regard to punch-list items, or other non-substantial items which do not affect the operation of the Equipment.

B. Daktronics' obligation under this Warranty is limited to, at Daktronics' option, replacing or repairing, any Equipment or part thereof that is found by Daktronics not to conform to the Equipment's specifications. Unless otherwise directed by Daktronics, any defective part or component shall be returned to Daktronics for repair or replacement. This Warranty does not include on-site labor charges to remove or install these components. Daktronics may, at its option, provide on-site warranty service. Daktronics shall have a reasonable period of time to make such replacements or repairs and all labor associated therewith shall be performed during regular working hours. Regular working hours are Monday through Friday between 8:00 a.m. and 5:00 p.m. at the location where labor is performed, excluding any holidays observed by either Purchaser or Daktronics.

C. Daktronics shall pay ground transportation charges for the return of any defective component of the Equipment. All such items shall be shipped by Purchaser DDP Daktronics; designated facility. If returned Equipment is repaired or replaced under the terms of this warranty, Daktronics will prepay ground transportation charges back to Purchaser and shall ship such items DDP Purchaser's designated facility; otherwise, Purchaser shall pay transportation charges to return the Equipment back to the Purchaser and such Equipment shall be shipped Ex Works Daktronics designated facility. All returns must be pre-approved by Daktronics before shipment. Daktronics shall not be obligated to pay freight for any unapproved return. Purchaser shall pay any upgraded or expedited transportation charges.

D. Any replacement parts or Equipment will be new or serviceably used, comparable in function and performance to the original part or Equipment, and warranted for the remainder of the Warranty Period. Purchasing additional parts or Equipment from the Seller does not extend the Warranty Period.

E. Defects shall be defined as follows. With regard to the Equipment (excepting LEDs), a "Defect" shall refer to a material variance from the design specifications that prohibit the Equipment from operating for its intended use. With respect to LEDs, "Defects" are defined as LED pixels that cease to emit light. The limited warranty provided by Daktronics does not impose any duty or liability upon Daktronics for partial LED pixel degradation nor does the limited warranty provide for the replacement or installation of communication methods including but not limited to, wire, fiber optic cable, conduit, trenching, or for the purpose of overcoming local site interference radio equipment substitutions.

EXCEPT AS OTHERWISE EXPRESSLY SET FORTH IN THIS WARRANTY, TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, DAKTRONICS DISCLAIMS ANY AND ALL OTHER PROMISES, REPRESENTATIONS AND WARRANTIES APPLICABLE TO THE EQUIPMENT AND REPLACES ALL OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, ACCURACY OR QUALITY OF DATA. NO ORAL OR WRITTEN INFORMATION, OR ADVICE GIVEN BY THE COMPANY, ITS AGENTS OR EMPLOYEES, SHALL CREATE A WARRANTY OR IN ANY WAY INCREASE THE SCOPE OF THIS LIMITED WARRANTY.

THIS LIMITED WARRANTY IS NOT TRANSFERABLE.

#### 2. Exclusion from Warranty Coverage

The limited warranty provided by Daktronics does not impose any duty or liability upon Daktronics for:

A. Any damage occurring, at any time, during shipment of Equipment unless otherwise provided for in the Agreement. When returning Equipment to Daktronics for repair or replacement, Purchaser assumes all risk of loss or damage, and agrees to use any shipping containers that might be provided by Daktronics and to ship the Equipment in the manner prescribed by Daktronics;

B. Any damage caused by the improper installation, adjustment, repair or service of the Equipment by anyone other than personnel of Daktronics or its authorized repair agents;

C. Damage caused by the failure to provide a continuously suitable environment, including, but not limited to: (i) neglect or misuse, (ii) a failure or sudden surge of electrical power, (iii) improper air conditioning, humidity control, or other environmental conditions outside of the Equipment's technical specifications such as extreme temperatures, corrosives and metallic pollutants, or (iv) any other cause other than ordinary use;

D. Damage caused by fire, flood, earthquake, water, wind, lightning or other natural disaster, strike, inability to obtain materials or utilities, war, terrorism, civil disturbance or any other cause beyond Daktronics' reasonable control;

E. Failure to adjust, repair or replace any item of Equipment if it would be impractical for Daktronics personnel to do so because of connection of the Equipment by mechanical or electrical means to another device not supplied by Daktronics, or the existence of general environmental conditions at the site that pose a danger to Daktronics personnel;

F. Any statements made about the product by any salesperson, dealer, distributor or agent, unless such statements are in a written document signed by an officer of Daktronics. Such statements as are not included in a signed writing do not constitute warranties, shall not be relied upon by Purchaser and are not part of the contract of sale;

G. Any damage arising from the use of Daktronics products in any application other than the commercial and industrial applications for which they are intended, unless, upon request, such use is specifically approved in writing by Daktronics;

H. Any performance of preventive maintenance;

J. Third-party systems and other ancillary equipment including without limitation front-end video control systems, audio systems, video processors and players, HVAC equipment, batteries and LCD screens;

K. Incorporation of accessories, attachments, software or other devices not furnished by Daktronics; or

L. Paint or refinishing the Equipment or furnishing material for this purpose.

### 3. **Limitation of Liability**

Daktronics shall be under no obligation to furnish continued service under this Warranty if alterations are made to the Equipment without the prior written approval of Daktronics.

It is specifically agreed that the price of the Equipment is based upon the following limitation of liability. In no event shall Daktronics (including its subsidiaries, affiliates, officers, directors, employees, or agents) be liable for any special, consequential, incidental or exemplary damages arising out of or in any way connected with the Equipment or otherwise, including but not limited to damages for lost profits, cost of substitute or replacement equipment, down time, lost data, injury to property or any damages or sums paid by Purchaser to third parties, even if Daktronics has been advised of the possibility of such damages. The foregoing limitation of liability shall apply whether any claim is based upon principles of contract, tort or statutory duty, principles of indemnity or contribution, or otherwise.

In no event shall Daktronics be liable to Purchaser or any other party for loss, damage, or injury of any kind or nature arising out of or in connection with this Warranty in excess of the purchase price of the Equipment actually delivered to and paid for by the Purchaser. The Purchaser's remedy in any dispute under this Warranty shall be ultimately limited to the Purchase Price of the Equipment to the extent the Purchase Price has been paid.

### 4. **Assignment of Rights**

The Warranty contained herein extends only to the original end-user (which may be the Purchaser) of the Equipment and no attempt to extend the Warranty to any subsequent user-transferee of the Equipment shall be valid or enforceable without the express written consent of Daktronics.

### 5. **Governing Law**

The rights and obligations of the parties under this warranty shall not be governed by the provisions of the United Nations Convention on Contracts for the International Sales of Goods of 1980. Both parties consent to the application of the laws of the State of South Dakota to govern, interpret, and enforce all of Purchaser and Daktronics rights, duties, and obligations arising from, or relating in any manner to, the subject matter of this Warranty, without regard to conflict of law principles.

### 6. **Availability of Extended Service Agreement**

For Purchaser's protection, in addition to that afforded by the warranties set forth herein, Purchaser may purchase extended warranty services to cover the Equipment. The Extended Service Agreement, available from Daktronics, provides for electronic parts repair and/or on-site labor for an extended period from the date of expiration of this warranty. Alternatively, an Extended Service Agreement may be purchased in conjunction with this warranty for extended additional services. For further information, contact Daktronics Customer Service at 1-800-DAKTRONics (1-800-325-8766).