DAKTRONICS
PITCH TIME DISPLAYS

DISPLAY MANUAL

P1153

DD3011529
Rev 05
09 February 2024

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800.325.8766

DAKTRONICS

Table of Contents

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1 Introduction

This manual explains the installation and maintenance of Daktronics pitch time displays. For additional information regarding the safety, installation, operation, or service of these displays, refer to the telephone numbers listed in **Section 6: Daktronics Exchange and Repair & Return Programs (p.13)**. This manual is not specific to a particular installation.

Important Safeguards

- **Read and understand all instructions before beginning the installation process.**
- **Disconnect the display power when not in use or when servicing.**
- **Disconnect the 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 structure or attach any panels or coverings to the display without the express written consent of Daktronics.**
- **Do not disassemble control equipment or electronic controls of the display; failure to follow this safeguard will make the warranty null and void.**
- **Do not drop the control equipment or allow it to get wet.**

Specifications Label

Power specifications as well as serial and model number information can be found on an ID label, similar to the one shown in **Figure 1**.

Figure 1: *Specifications Label*

Please have the assembly number, model number, and the date manufactured on hand when calling Daktronics customer service to ensure the request is serviced as quickly as possible. Knowing the facility name and/or job number will also be helpful.

Resources

Figure 2 illustrates a Daktronics drawing label. This manual refers to drawings by listing the last set of digits. In the example, the drawing would be referred to as **DWG-1007804**. All references to drawing numbers, appendices, figures, or other manuals are presented in bold typeface. Any drawings referenced in a section are listed at the beginning of it as shown below:

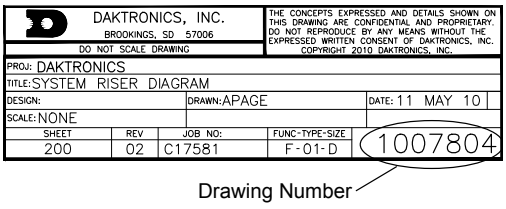

Figure 2: *Drawing Label*

Reference Drawings:

System Riser Diagram **DWG-1007804**

Daktronics identifies manuals by the DD or ED number located on the cover page.

Listed below are drawing types commonly used by Daktronics, along with the information typically provided. All drawings referenced in this manual are found in the appendices.

- **Schematic Drawings:** describe internal power and signal wiring as well as interconnections between display sections; they may also include digit designations and driver addressing information
- **Shop Drawings:** describe mounting methods to structural elements, access method (front or rear), and power and signal entrance points
- **System Riser Diagrams:** describe power/signal connections between components and the control location; they may also include control room layout and schematic
- **Final Assembly Drawings:** describe internal component locations and detailed product appearance with part numbers and quantities

Project-specific information takes precedence over any other general information found in this manual. Ensure all applicable material has been gathered before beginning the installation. Contact a Daktronics sales coordinator or project manager.

Daktronics Nomenclature

Most display components have a white label that lists the part number (**Figure 3**). Part numbers will also appear on certain drawings. If a component is not found in the **Replacement Parts (p.10)**, use the label to order a replacement. Refer to **Section 6: Daktronics Exchange and Repair & Return Programs (p.13)** if replacing or repairing any display component.

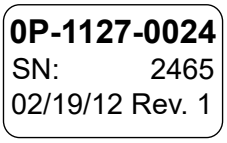

Figure 3: *Part Label*

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

Accessory Labels	
Component	**Label**
Termination block for power or signal cable	TBXX
Grounding point	EXX
Power or signal jack	JXX
Power or signal plug for the opposite jack	PXX

Display Controllers

The scoreboards in this manual are designed for use with the All Sport® 5000 controller. The console uses keyboard overlays (sports inserts) to control numerous sports/events and scoreboard models. Refer to the manual below for operating instructions. The manual is available online at www.daktronics.com/manuals.

- **All Sport 5000 Pitch Timer Operation Manual (DD3011520)**

2 Mechanical Installation

Support Structure Design

- **Structure design is critical and should be done only by a qualified individual.**
- **It is the customer's responsibility to ensure that the structure and the connectors are adequate.**
- **The customer must also ensure the installation meets local standards.**
- **Daktronics is not responsible for installations, the mounting structure or its structural integrity, or for the quality of the mounting hardware used to attach the displays to the support structure. Structure and attachment must conform to all applicable building codes.**

Ventilation and Temperature Requirements

Daktronics pitch time displays are front ventilated. The display must NOT be fully enclosed inside a support structure or behind a face of plastic, glass, or other material. The front of the display must be exposed to the air to allow for convection cooling.

Displays are designed to operate in ambient temperatures ranging from -40°F to 120°F (-40°C to 49°C). However, overall structure design and ventilation should keep the display cabinet interior below 140°F (60°C). Items to consider when designing a package to house LED displays include:

- Solar gain from the black face of the displays
- Solar gain from other display cabinet surfaces
- Heat gain from electronics inside the displays
- Passive or active airflow with adequate intake and exhaust areas

Daktronics is not responsible for high-temperature failure due to inadequate ventilation.

Connecting Display Sections

Displays with 36" (914 mm) digits come in two sections that must be connected together before mounting.

1. Open digit doors in each section by gently turning the slotted fasteners on each door counter-clockwise with a flat-head screwdriver.
2. Join the sections together in the three designated locations (top, middle, bottom) with 3/8-16 bolt, lock washer, and nut. Refer to **Figure 4**.
3. Route the two digit interconnect harnesses and one power supply cable from the left section through the 1.5" (38 mm) holes into the right section. Refer to **Power/ Signal Connections Between Sections (p.8)** for more information on power/signal connections between sections.
4. Close and securely latch all access doors.

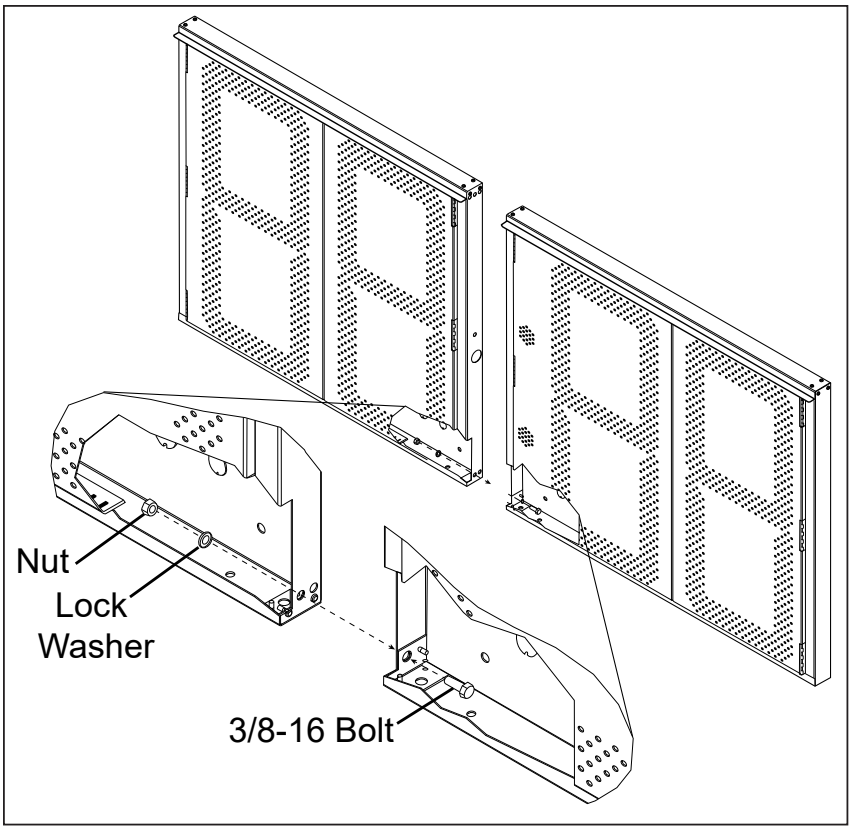

Figure 4: *Connecting 36 Inch Sections*

Display Mounting

Reference Drawings:

Shop; 36", 18", 8" Digit Pitch Time Displays..... **DWG-1201057**

Due to the variety of wall materials used in sports facilities, Daktronics cannot anticipate a user's individual installation needs or provide mounting hardware suitable for every installation. Choose a method of installation that will safely support the display's weight.

1. Lift the display into position on the wall.

   > **Note:** Daktronics assumes no liability for display damage or injury resulting from incorrect setup or incorrect lifting methods.

2. Ensure the display is level, and secure it to the wall by attaching mounting hardware through all mounting holes on the backsheet of the cabinet. Refer to **DWG-1201057** in **Appendix A** for mounting hole locations as well as approximate display weights.

3 Electrical Installation

Electrical installation consists of routing power to the power supply located in each display. The Final Assembly drawings in **Appendix A** show details on access for electrical connections and the electrical requirements for that size of display.

Daktronics display front panels are hinged to allow access to the digits, cabling, and other electronic components. See **Access Internal Components (p.6)** for cabinet access details.

Warnings and Disclaimers

- Ensure that all electrical work meets or exceeds all local or national electrical codes.
- Provide the required power to the display as listed on the product labels, specifications, or site-specific riser drawings. The conductor size may vary based on the length of the power run.
- Consider implementing a separate circuit for the display using an isolation transformer or dedicated transformer.
- Daktronics assumes no liability for any issues caused by line voltage fluctuations or other improper power conditions.

Important Notes:

- Only qualified individuals should perform power and signal routing to the display and termination at the display.
- Daktronics engineering staff must approve all proposed changes, or the warranty will be void.
- Improper installation could result in serious damage to the equipment and could be hazardous to personnel.
- Size conductors of circuits delivering power to a Daktronics display according to local and national electrical codes so that the power distribution systems can deliver full-load power to the display while maintaining a voltage within 5% of the utility nominal voltage.

Power Requirements

Do not connect displays to any voltage other than that listed on the display product label. Displays have a voltage input of 100-240 VAC and a frequency input of 50/60 Hz.

- A dedicated circuit is defined as one hot, one neutral, and one ground wire.
- Maximum amperage will vary with the number and type of digit displays connected.

> **Note:** It is critical that the display circuit be fused at 15 A and that all conductors used must be designed to pass a 15 A current in normal operation. Failure to meet wiring and over-current protection device requirements may violate local and national electrical codes and will void the display warranty.

Main Disconnect

Daktronics requires installation of a power disconnect switch with the display so that all ungrounded conductors can be disconnected near the point of power connection.

Locate the disconnecting means either in a direct line of sight from the display or so it can be locked in the open position. This ensures that power is not reconnected while service personnel work on the display.

Access Internal Components

The doors of Daktronics pitch time displays are secured by slotted fasteners.

1. Release a fastener by gently turning it counter-clockwise with a flat-head screwdriver.
2. Open the doors using the knob attached to the display face (if provided) or by gently pushing the door outward from inside of the display (if there are no knobs).

> **Note:** Smaller displays may only have one door.

3. Components are attached inside the cabinet to the display's backsheet and their locations vary between display sizes. See **Figure 5**, **Figure 6**, and **Figure 7** for approximate component locations.

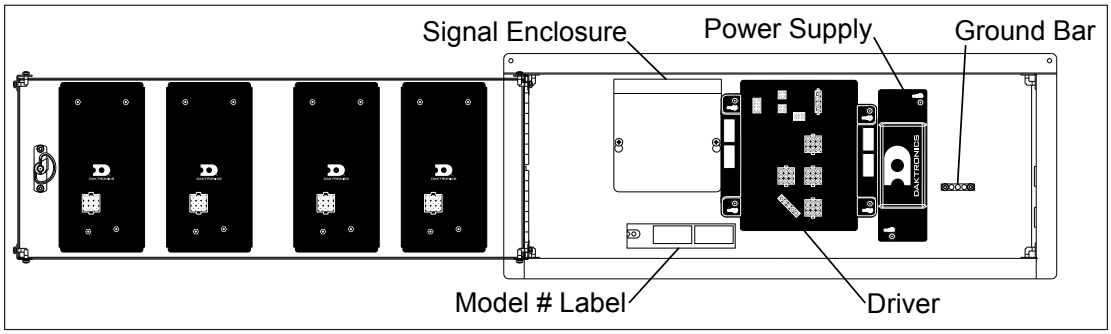

Figure 5: *Internal Component Locations (8" Digit Display)*

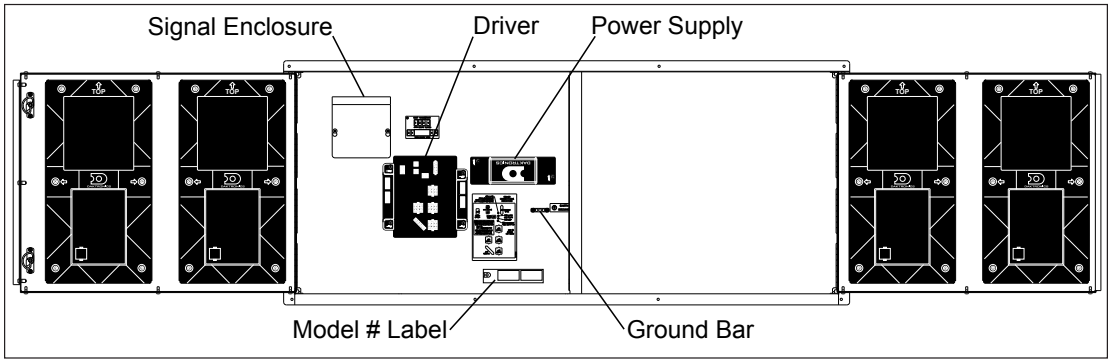

Figure 6: *Internal Component Locations (18" Digit Display)*

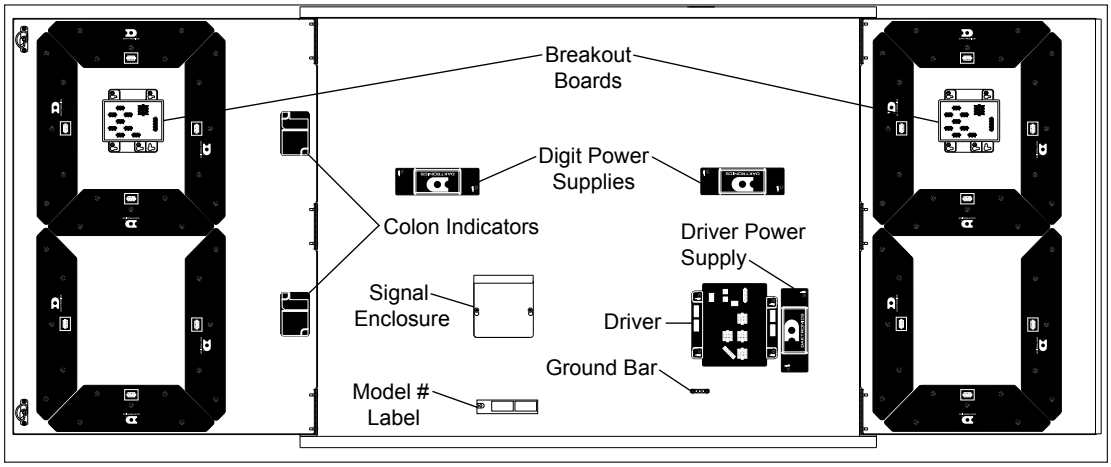

Figure 7: *Internal Component Locations (36" Digit Display - Right Section)*

Grounding

The displays are designed so the most sensitive components are isolated and an earth ground electrode is not required and is no longer recommended.

The displays still require a safety ground from the electrical service panel for the primary power wires to comply with local and national electric codes.

Please note that earth-grounding requirements for other Daktronics products remain unchanged.

Power Installation

Install Daktronics pitch time displays using the provided ground and neutral conductors. For this type of installation, the power circuit must contain an isolated earth-ground conductor. Do not connect neutral to ground at the disconnect or at the display as this would violate electrical codes and void the warranty. Use a disconnect so that all ungrounded conductors can be disconnected.

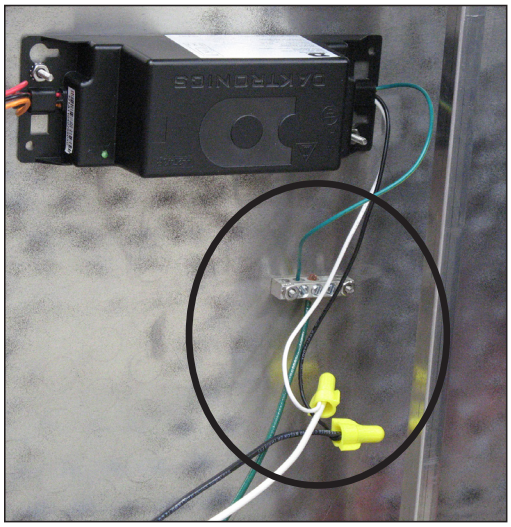

Figure 8: *Power Connection (18" Digit Display)*

To connect power to the display:

1. Route power cable into the display through one of the knockouts on the bottom or side of the display.
2. Use wire nuts or other appropriate hardware to connect incoming power wires to the power supply(s), as shown in **Figure 8**.
   - Displays with 8" and 18" digits require one set of hot and neutral wires.
   - Displays with 36" digits have three sets of hot and neutral wires that must be connected to one incoming set of power wires. Note that one set of wires should be routed from the left cabinet into the right cabinet for termination.
3. Connect incoming power ground wire(s) to ground bus bar, as shown in **Figure 8**.

Note: Verify all power supply ground wires are also connected to the ground bus bar.

Wired Signal Connection

Reference Drawings:

Installation Details; Fiber Card to Driver & PWR Supply **DWG-1203116**

Locate the Signal Enclosure and loosen the screws to remove the cover. If not already installed, install the Fiber to Current Loop Converter card (**Figure 9**) per **DWG-1203116** in **Appendix A**.

Route fiber optic signal cable through a knockout on the bottom or side of the display to the Fiber to Current Loop Converter card. The fiber optic cable is terminated to a male ST-type connector and plugged into the mating **J2** fiber jack.

A minimum cabling of single-mode fiber cable is recommended. This method requires a signal converter between the All Sport console's scoreboard output and the fiber optic cable.

Figure 9: *Fiber to Current Loop Converter Card*

Power/Signal Connections Between Sections

Displays with 36" (914 mm) digits require interconnect harnesses to be routed from the left cabinet into the right cabinet as described in **Access Internal Components (p.6)**. Once inside the right cabinet, the harnesses must then be connected to the driver. Refer to the table below and **Figure 10** to make the appropriate digit connections.

Digit	Harness Color	Driver Jack
1	Blue	**J11**
2	Violet	**J12**

Power-On Self-Test (POST)

If the control console is powered on and connected, the self-test does not run, and data from the control console is shown on the display after a brief period of time.

If a display is blank while connected to a powered-on console, try disconnecting signal from the **J10** jack on the driver (**Figure 10**), cycle power to the display, and watch for the POST to verify the driver is functional.

For pitch time displays, the POST shows the following information, in this order:

1. A0001
2. rXX, where XX is the current firmware version
3. Rotating digit segments

4 Maintenance and Troubleshooting

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

Visual Structural Inspection
At least once a year, check the display to ensure the structure and components are in good condition. Inspect the paint and cabinet for corrosion. Make sure fasteners are tight. Tighten or replace as required.

Display Driver

The display driver has multiple jacks that receive and output power and signal. The driver also features five diagnostic LEDs that indicate whether it is functioning properly. These LEDs can help pinpoint problems with driver setup or operation.

Refer to **Figure 10** for the locations of the primary driver jacks and LEDs, and see the tables below for descriptions of their functions.

Driver Jacks	
J3	Power In
J9	*(not used for pitch time displays)*
J10	Signal In
J11	Output to Digit 1
J12	Output to Digit 2
J13	Output to Digit 3
J14	Output to Digit 4
J15	*(not used for pitch time displays)*
J16	Power Out (to fiber card)
J18	*(not used for pitch time displays)*

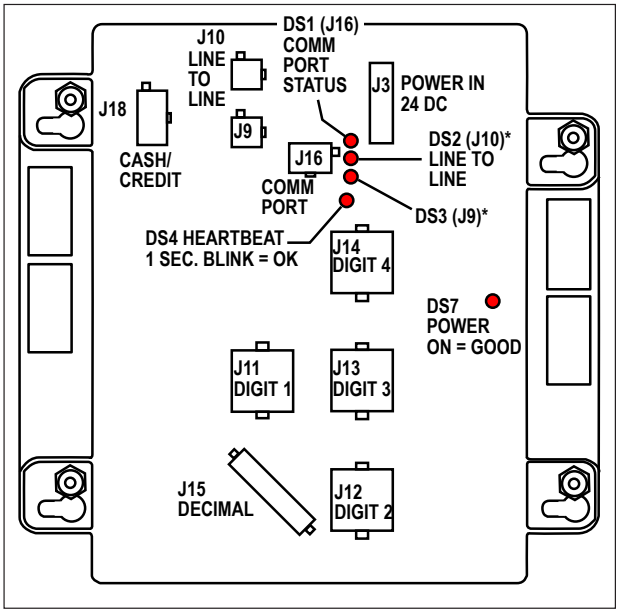

Figure 10: *Driver Diagnostic LED Locations*

LED Name	Function	Label	Indication
DS1	Status	Comm Port Status	*(not used for pitch time displays)*
DS2	Status – J10 Status	Line to Line	Pulsing = communicating
DS3	Status – J9 Status	Line to Line	*(not used for pitch time displays)*
DS4	Driver Status	Heartbeat	Blinks once per second when OK.
DS7	Power	Power	On when receiving power.

In addition to the LED indicators on the driver, both the fiber receiver card (in the display) and the fiber transmitter card (in the control location) have a single status LED. The transmitter LED will be on if an All Sport is connected and powered up, and it will pulse when data is transferred. The receiver LED will pulse when data is received.

Troubleshooting Table

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

Problem	Possible Cause	Solution/Items to Check
Entire display will not power up	Power incorrectly installed	Check the power LED (DS7) on the display driver. If not lit, connect power as described in **Section 3: Electrical Installation (p.5)**.
Garbled display	Driver malfunction	Make sure digit cables are connected to the correct driver jacks.
		Cycle power to the display.
		Replace the driver.
	Digit malfunction	Replace the digit, digit segment, or breakout board.
Digit will not light	Cable to the digit is broken or disconnected	Check cable by switching it to a different driver output.
		Replace the cable.
	Poor contact at driver connection	Clean the contacts.
	Driver malfunction	Replace the driver.
	Digit malfunction	Replace the digit, digit segment or breakout board.
Segment or several LEDs will not light	Poor contact at driver connection	Clean the contacts.
	Cable to the digit is broken or disconnected	Replace the cable.
	Broken LEDs	Replace the digit or digit segment.

Replacement Parts

The following table contains display components that may require replacement. Many of the other components will have attached part number labels.

Description	Part Number
Digit Driver, 4 Column, Pitch Timer	0A-1192-0500
2-Pin to 5-Pin Decimal Cable, 24"	0A-1192-4437
2-Pin to 5-Pin Decimal Cable, 96"	0A-1192-4438
8" Red Digit	0A-1611-5103
18" Red Digit	0A-1611-5113
Red Decimal	0A-1611-5132
8" Amber Digit	0A-1611-5203
18" Amber Digit	0A-1611-5213
Amber Decimal	0A-1611-5232
Digit Segment Breakout Board	0A-1735-0400

Description	Part Number
36" Red Horizontal Segment	0A-1735-5121
36" Red Vertical Segment	0A-1735-5122
36" Amber Horizontal Segment	0A-1735-5221
36" Amber Vertical Segment	0A-1735-5222
Fiber to Current Loop Converter Card	0P-1196-0048
Power Supply, 24V 90-26VAC 65W	A-2743
9-Pin Harness - 24"	W-2446 (sealed) 0A-1611-0013 (unsealed)
9-Pin Harness - 36"	W-2447 (sealed) 0A-1611-0014 (unsealed)
9-Pin Harness - 48"	W-2448 (sealed) 0A-1611-0015 (unsealed)
9-Pin Harness - 72"	W-2449 (sealed) 0A-1611-0016 (unsealed)
9-Pin Harness - 96"	W-2450 (sealed) 0A-1611-0017 (unsealed)
Power Supply Cable, 12"	W-2567
2-Pin to 2-Pin Segment Cable, 12"	W-2638 (sealed) 0A-1611-0031 (unsealed)
2-Pin to 2-Pin Segment Cable, 36"	W-2640 (sealed) 0A-1611-0033 (unsealed)
4-Pin to 4-Pin Cable, 36"	W-2643 (sealed) 0A-1611-0036 (unsealed)
9-Pin Harness - 120"	W-2644 (sealed) W-4068630 (unsealed)
Power Supply Cable, 120"	W-2646 (sealed) 0A-1611-0037 (unsealed)
Power Supply Cable, Dual 120"	W-2647 (sealed) W-4139793 (unsealed)
4-Pin to 4-Pin Cable	W-2661 (sealed) W-4083996 (unsealed)
6-Pin to 6-Pin Cable, 60"	W-2665 (sealed) W-4088163 (unsealed)
Power Supply Cable, Plug to Whip	W-3583674 (sealed) 0A-1611-0025 (unsealed)

5 Control Room and Truck Dock Setup

Reference Drawings:

System Riser; Major League Parks, Pitch Timing System **DWG-1198985**
System Riser; Minor League Parks, Pitch Timing System **DWG-1201138**

The information below and in the reference drawings is general setup instructions and may vary from site to site. Daktronics part numbers are shown in parentheses.

Control Room Setup

1. Unpack control room equipment and install according to **DWG-1198985** for Major League or **DWG-1201138** for Minor League.
2. Mount the fiber patch cabinet (EN-1883) near existing fiber runs.
3. Install the dual fiber converter assembly (0A-1196-0253) into EN-1883.
4. Install the 25-pin J-box (0A-1067-0056) near the All Sport controller location.
5. Run copper wire (W-1234) from the 25-pin J-box to EN-1883, connecting as shown in the system riser.
6. Connect fiber outputs as shown in the system riser.

> **Note:** While all fiber outputs are the same, it is recommended to split the feeds that are going to field and truck dock between the two fiber transmitter cards.

7. Plug the 25' (7.62 m) 25-pin cable (W-1247) between the 25-pin J-box and the All Sport controller **J6 I/O PORT** jack.
8. Connect the 3-button handheld unit (0A-1196-0268) into the **J8 SWITCH INPUTS** jack on the rear of the All Sport 5000.
9. Turn on the All Sport and test the 3-button handheld unit.

Truck Dock Setup

1. Install the display with 8" digits per the instructions in **Section 2: Mechanical Installation (p.3)** and **Section 3: Electrical Installation (p.5)**.
2. Install the fiber converter assembly (0A-1196-0251) near where the incoming fiber patch panel is located.
3. Connect the fiber patch cable (not provided by Daktronics) from the patch panel to the fiber converter.
4. Mount the 1/4" J-box (0A-1009-0038) within 20' (6.1 m) of the All Sport CG location and run copper wire (W-1234) from the J-box to the fiber converter **SIGNAL OUT** terminal block (red wire to **TB3 Sig +** and black wire to **TB3 Sig –**).
5. For fiber converter power, connect the bare wires of the power pack into **TB1**; this is AC voltage so it doesn't matter which wire goes where. Plug the power pack into a receptacle.

6 Daktronics Exchange and Repair & Return Programs

Exchange Program

The Daktronics Exchange Program is a service for quickly 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 decreases equipment downtime. Customers who follow the program guidelines explained below will receive this service.

Before contacting Daktronics, identify these important numbers:

Model Number: _____

Assembly Number: _____

Job/Contract Number: _____

Date Manufactured/Installed: _____

Daktronics Customer ID Number: _____

To participate in the Exchange Program, follow these steps:

1. **Call Daktronics Customer Service.**

   United States & Canada: 1-800-DAK-TRON (325-8766)

   Outside the U.S. & Canada: +1-605-275-1040

2. **When the new exchange part is received, mail the old part to Daktronics.**

   If the replacement part fixes the problem, send in the problem part 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.

3. **The defective or unused parts must be returned to Daktronics within 5 weeks of initial order shipment.**

   If any part is not returned within five (5) weeks, a non-refundable invoice will be presented to the customer for the costs of replenishing the exchange parts inventory with a new 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 Daktronics Customer Service.**

   United States & Canada: 1-800-DAK-TRON (325-8766)

   Outside the U.S. & Canada: +1-605-275-1040

2. **Receive a case 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 case number
   - a clear description of symptoms

5. **Ship to:**

   Daktronics Customer Service

   [Case #]

   201 Daktronics Drive, Dock E

   Brookings, SD 57006

Daktronics Warranty & Limitation of Liability

The Daktronics Warranty & Limitation of Liability is located at the end of this manual. The Warranty is independent of Extended Service agreements and is the authority in matters of service, repair, and operation.

A Reference Drawings

Refer to **Resources (p.1)** for information regarding how to read the drawing number. Any contract-specific drawings take precedence over these general drawings.

Reference Drawings:

System Riser; Major League Parks, Pitch Timing System **DWG-1198985**
Shop; 36", 18", 8" Digit Pitch Time Displays..... **DWG-1201057**
System Riser; Minor League Parks, Pitch Timing System **DWG-1201138**
FA, MLB, 8" Digit..... **DWG-1202662**
Installation Details; Fiber Card to Driver & PWR Supply..... **DWG-1203116**
FA; MLB, 36" Digit Display **DWG-3001285**
FA; MLB, 36" Digit Display, Left Section..... **DWG-3001286**
FA; MLB, 36" Digit Display, Right Section **DWG-3001287**
FA; MLB, 18" Digit Display **DWG-3007269**

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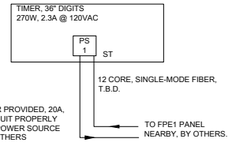
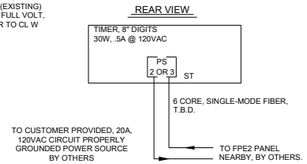
DETAIL A: CENTER FIELD 4 DIGIT TIMER. (EXISTING)
0A-1196-0251: ASSY; FULL VOLT, SINGLE MODE.
FIBER TO CL W

REAR VIEW



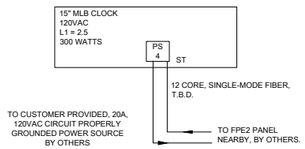
DETAIL B: TRUCK DOCK, 4 8" DIGITS
TIMERS. @2 TOTAL (EXISTING)
0A-1196-0251: ASSY; FULL VOLT,
SINGLE MODE, FIBER TO CL W

REAR VIEW



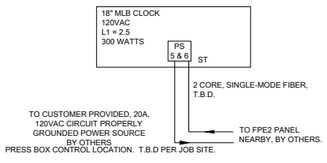
DETAIL C: BEHIND HOME PLATE,
FIELD LEVEL, 4 DIGIT TIMERS.
@1 TOTAL
0A-1196-0251: ASSY; FULL VOLT,
SINGLE MODE, FIBER TO CL W

REAR VIEW



DETAIL D: FIELD LEVEL, 1ST & 3RD
BASELINE, 3 DIGIT TIMERS.
@2 TOTAL
0A-1196-0251: ASSY; FULL VOLT,
SINGLE MODE, FIBER TO CL W

REAR VIEW

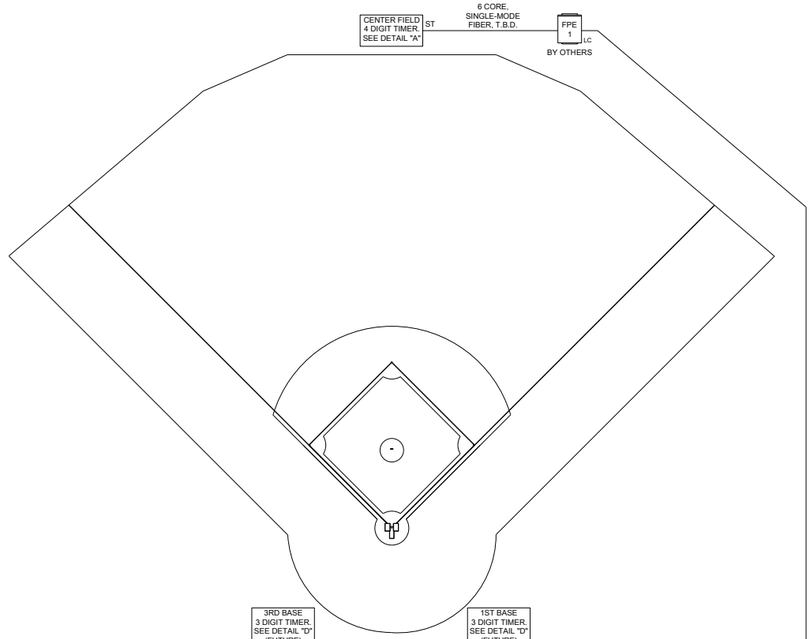


COMPONENT IDENTIFICATION LEGEND				
ID TAG	COMPONENT DESCRIPTION	MANUFACTURERS PART NUMBER	COMPONENT PROVIDED BY	COMPONENT INSTALLED BY
PSX	INTERNAL POWER/SIGNAL ENCLOSURE		DAKTRONICS	FACTORY
FPE 1, 2	FIBER/POWER ENCLOSURE	BY OTHERS	BY OTHERS	BY OTHERS
FP 1, 2	FIBER PATCH	BY OTHERS	BY OTHERS	BY OTHERS
PS	TERM PANEL, POWER/SIGNAL	0A-1000-0153	DAKTRONICS	OTHERS
CB	COMM BOX, FIBER IN	-	DAKTRONICS	DAKTRONICS

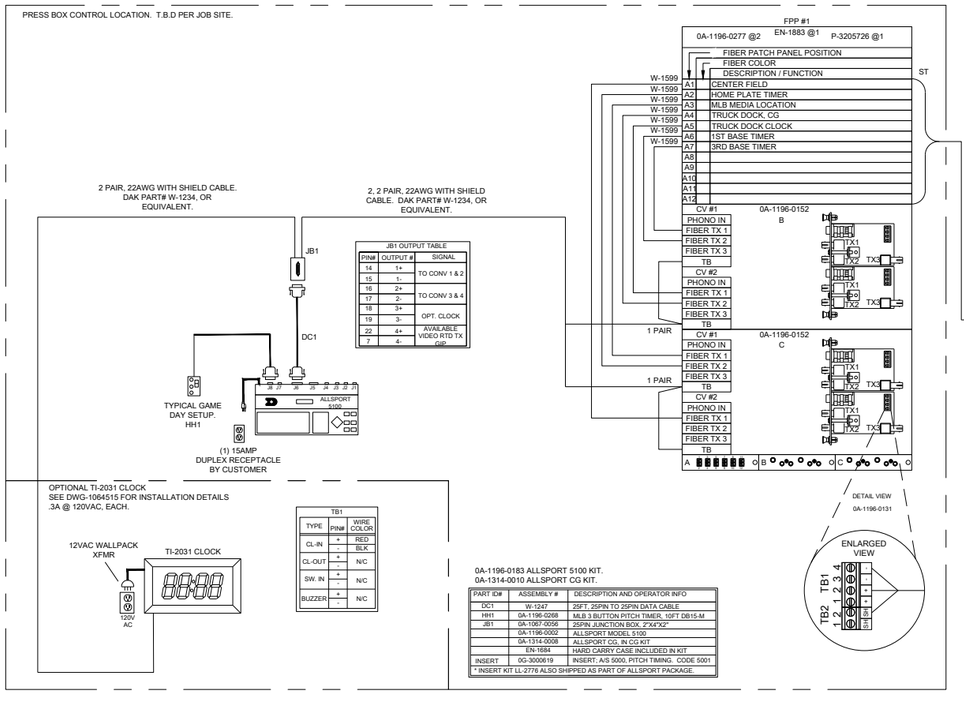
NOTE: ALL FIBER TERMINATIONS TO BE DESIGNATED BY TEXT AT A CORNER OF DEVICES.
DAKTRONICS USES ST AND LC TERMINATIONS THROUGHOUT THE SYSTEM. DESIGNATION IS FOR ALL TERMINATIONS LOCATED AT EACH DEVICE.

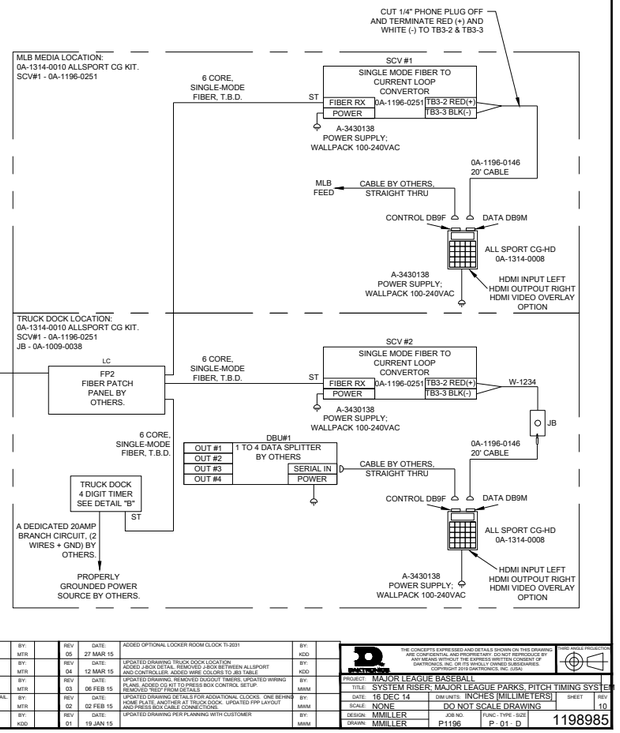
EXAMPLE: ST (OR LC)

DEVICE



PRESS BOX CONTROL LOCATION. T.B.D PER JOB SITE.





REV	DATE:	UPDATED HANDHELD DETAILS	BY:
10	6 DEC 23		MTR
REV	DATE:	UPDATED POWER CABLE PART NUMBERS.	BY:
09	11 MAR 19	UPDATED PRESS BOX CONTROL LOCATION. ADDED DETAIL "D"	MTR
REV	DATE:	REMOVED GALAXY DISPLAY FROM DETAIL "I".	BY:
08	30 JAN 18	UPDATED DETAIL "I" TO REFLECT CURRENT SETUP DETAIL. UPDATED PRESS BOX CONTROL LOCATION DETAIL VIEW.	MTR
REV	DATE:	ADDED DETAIL C. UPDATED PRESS BOX CONTROL LOCATION DETAIL.	BY:
07	29 MAR 17		MTR
REV	DATE:	REMOVED ALLSPORT DETAIL AND ADDED MLB MEDIA DETAIL.	BY:
06	07 APR 15		KDD

REV	DATE:	ADDED OPTIONAL LOCKER ROOM CLOCK TI-2031	BY:
05	27 MAR 15		KDD
REV	DATE:	UPDATED DRAWING. TRUCK DOCK LOCATION. ADDED J-BOX DETAIL. REMOVED J-BOX BETWEEN ALLSPORT AND CONTROLLER. ADDED WIRE COLORS TO JB3 TABLE	BY:
04	12 MAR 15		KDD
REV	DATE:	UPDATED DRAWING. REMOVED DUGOUT TIMERS. UPDATED WIRING DIAGRAM FOR TRUCK DOCK AND PRESS BOX CONTROL SETUP. REMOVED "RED" FROM DETAILS.	BY:
03	06 FEB 15		MWM
REV	DATE:	UPDATED DRAWING DETAILS FOR ADDITIONAL CLOCKS. ONE BEHIND HOME PLATE, ANOTHER AT TRUCK DOCK. UPDATED FPP LAYOUT AND PRESS BOX CABLE CONNECTIONS.	BY:
02	02 FEB 15		MWM
REV	DATE:	UPDATED DRAWING PER PLANNING WITH CUSTOMER	BY:
01	19 JAN 15		MWM

PROJECT:	MAJOR LEAGUE BASEBALL
TITLE:	SYSTEM RISER, MAJOR LEAGUE PARKS, PITCH TIMING SYSTEM
DATE:	16 DEC 14
DIM UNITS:	INCHES [MILLIMETERS]
SHEET	REV
SCALE:	NONE
	DO NOT SCALE DRAWING
	10
DESIGN:	MMILLER
JOB NO:	ENG - TYPE - SIZE
DRAWN:	MMILLER
	P1196 P - 01 - D
	1198985

MAJOR LEAGUE BASEBALL

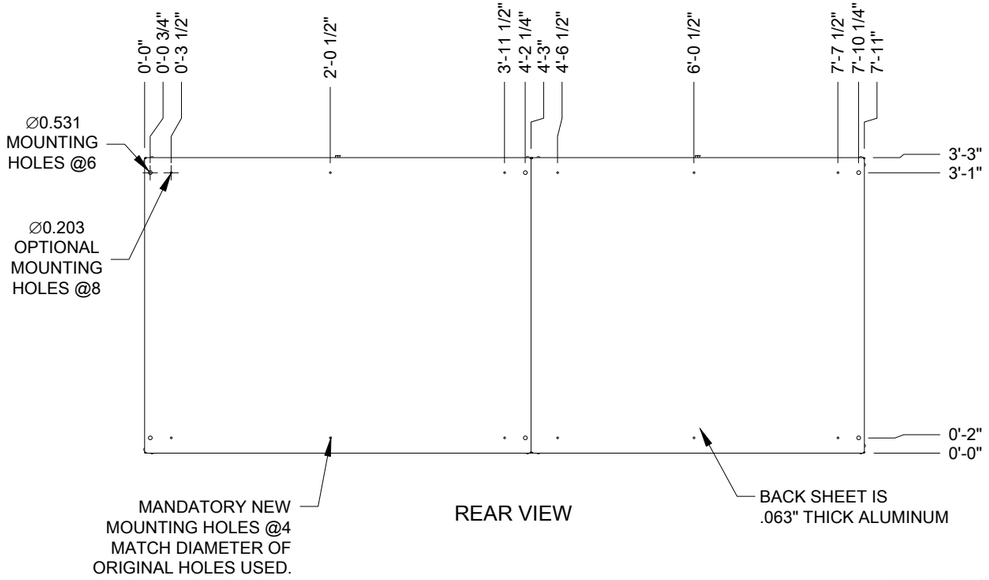
SUBMITTAL APPROVAL

☐ APPROVED ☐ APPROVED AS NOTED ☐ APPROVED AS NOTED & RESUBMIT

COMPANY: _____

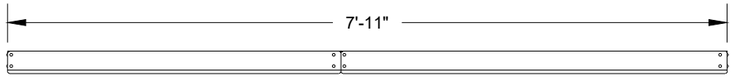
SIGNED: _____

TITLE: _____ DATE: _____

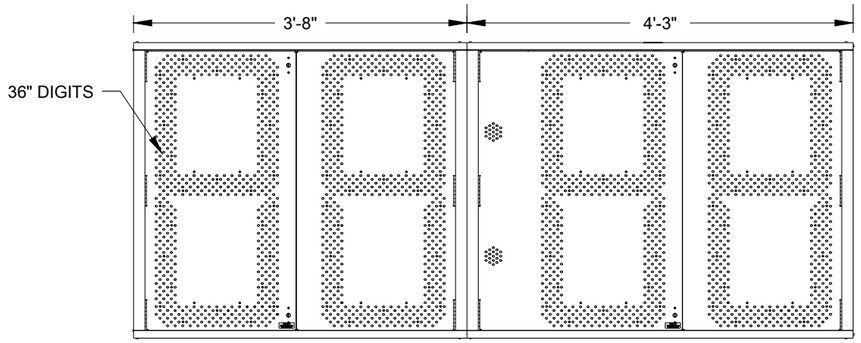


REAR VIEW

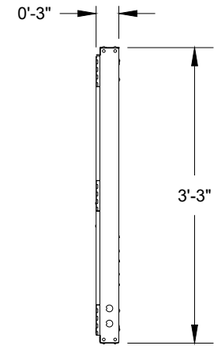
SIDE VIEW



TOP VIEW



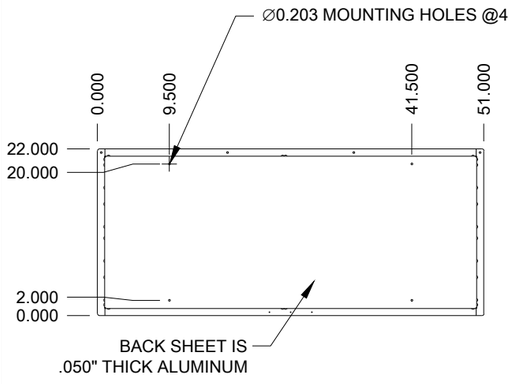
FRONT VIEW



SIDE VIEW

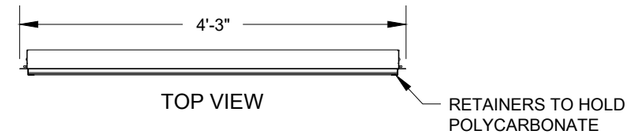
ESTIMATED WEIGHT: 90 LBS.

BOTTOM VIEW

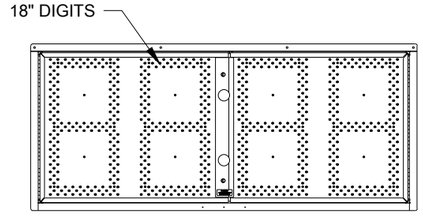


REAR VIEW

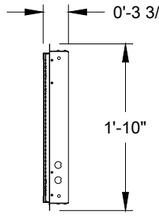
SIDE VIEW



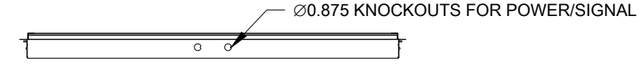
TOP VIEW



FRONT VIEW



SIDE VIEW

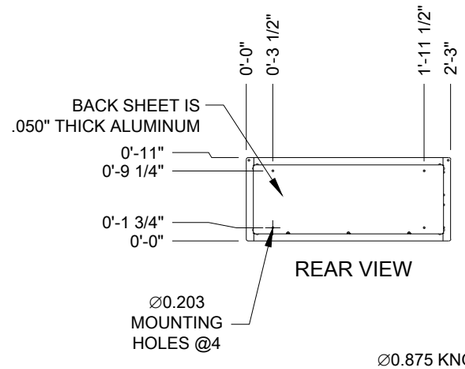


BOTTOM VIEW

ESTIMATED WEIGHT: 45 LBS.

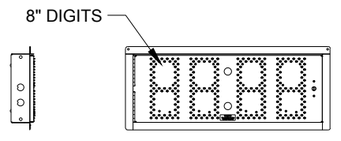
THE DISPLAYS HAVE BEEN DESIGNED TO SUPPORT THEIR SELF-WEIGHT IN COMBINATION WITH A 104.9 PSF DESIGN WIND PRESSURE USING A 170 MPH WIND (3-SEC GUST) AS PER ASCE7-10, EXP C, RISK CAT II, 50 FEET ABOVE GRADE MAX.

DESIGN WIND PRESSURES ARE MULTIPLIED BY A FACTOR OF 0.6 AS PER ASCE7-10 ASD LOAD COMBINATIONS.

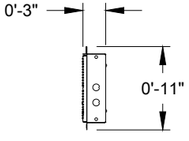


REAR VIEW

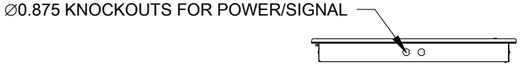
TOP VIEW



SIDE VIEW FRONT VIEW



SIDE VIEW



BOTTOM VIEW

ESTIMATED WEIGHT: 20 LBS.

REV	DATE:		BY:
01	24 FEB 15	ADDED REAR VIEWS FOR 36", 18", AND 8" DISPLAYS	DRO

DAKTRONICS, INC.
BROOKINGS, SD 57006
DO NOT SCALE DRAWING

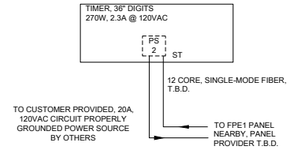
PROJ: MAJOR LEAGUE BASEBALL
TITLE: SHOP; 36", 18", 8' DIGIT PITCH TIME DISPLAYS
DESIGN: KDRAGT | DRAWN: KDRAGT | DATE: 19 JAN 15
SCALE: 1=20

SHEET	REV	JOB NO:	FUNC - TYPE - SIZE
	01	P1192	E - 10 - B

1201057

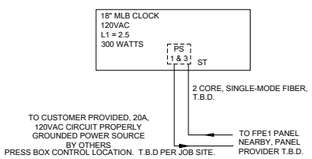
DETAIL A: CENTER FIELD 4 DIGIT TIMER. (EXISTING)
0A-1196-0251: ASSY; FULL VOLT, SINGLE MODE,
FIBER TO CL W/

REAR VIEW



DETAIL D: FIELD LEVEL, 1ST & 3RD
BASELINE, 3 DIGIT TIMERS.
@2 TOTAL
0A-1196-0251: ASSY; FULL VOLT,
SINGLE MODE, FIBER TO CL W

REAR VIEW



COMPONENT IDENTIFICATION LEGEND

ID TAG	COMPONENT DESCRIPTION	MANUFACTURER'S PART NUMBER	COMPONENT PROVIDED BY	COMPONENT INSTALLED BY
PSX	INTERNAL POWER/SIGNAL ENCLOSURE		DAKTRONICS	FACTORY
FPE 1 - 3	FIBER/POWER ENCLOSURE	CUSTOMER	CUSTOMER	CUSTOMER
FP-1	FIBER PATCH	CUSTOMER	CUSTOMER	CUSTOMER

NOTE: ALL FIBER TERMINATIONS TO BE DESIGNATED BY TEXT AT A CORNER OF DEVICES.
DAKTRONICS USES ST AND LC TERMINATIONS THROUGHOUT THE SYSTEM. DESIGNATION IS FOR ALL TERMINATIONS LOCATED AT EACH DEVICE.

EXAMPLE: ST (OR LC)

DEVICE

MINOR LEAGUE BASEBALL "AA" & "AAA" SETUP

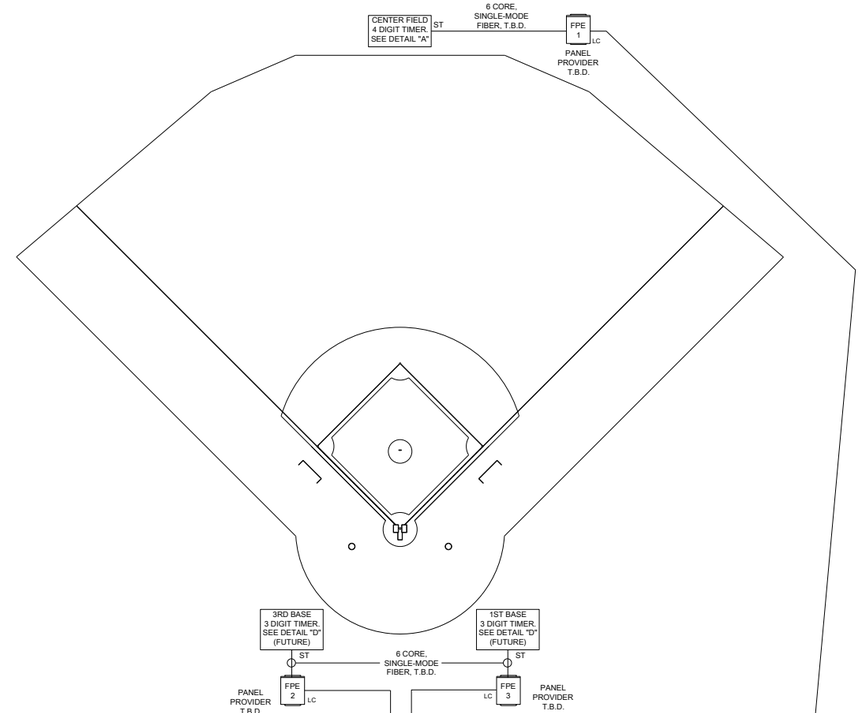
SUBMITTAL APPROVAL

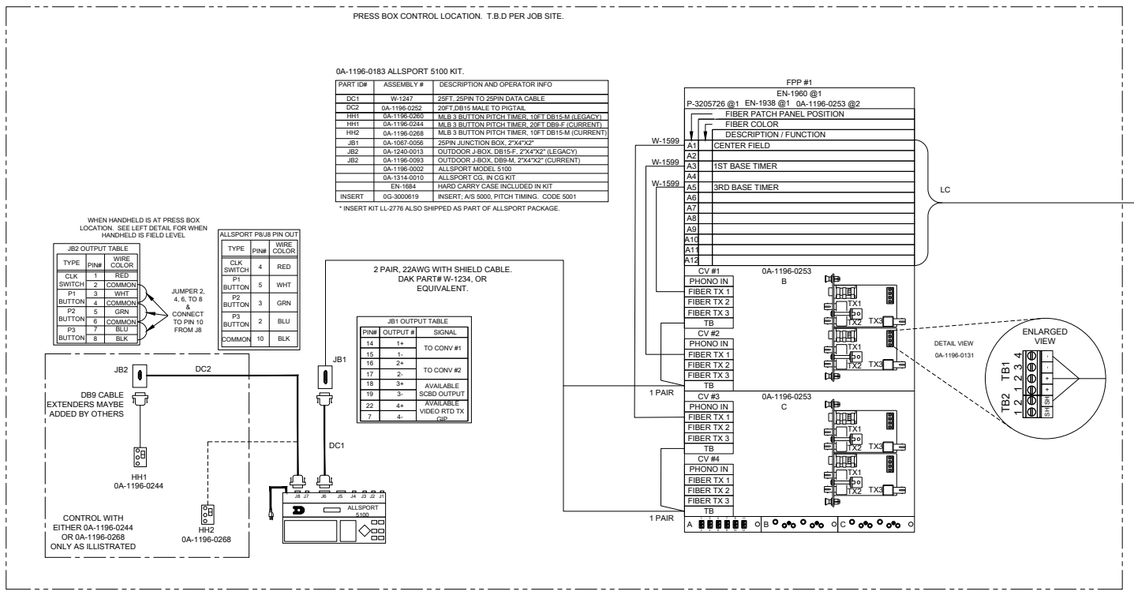
☐ APPROVED ☐ APPROVED AS NOTED ☐ APPROVED AS NOTED & RESUBMIT

COMPANY: _____

SIGNED: _____

TITLE: _____ DATE: _____





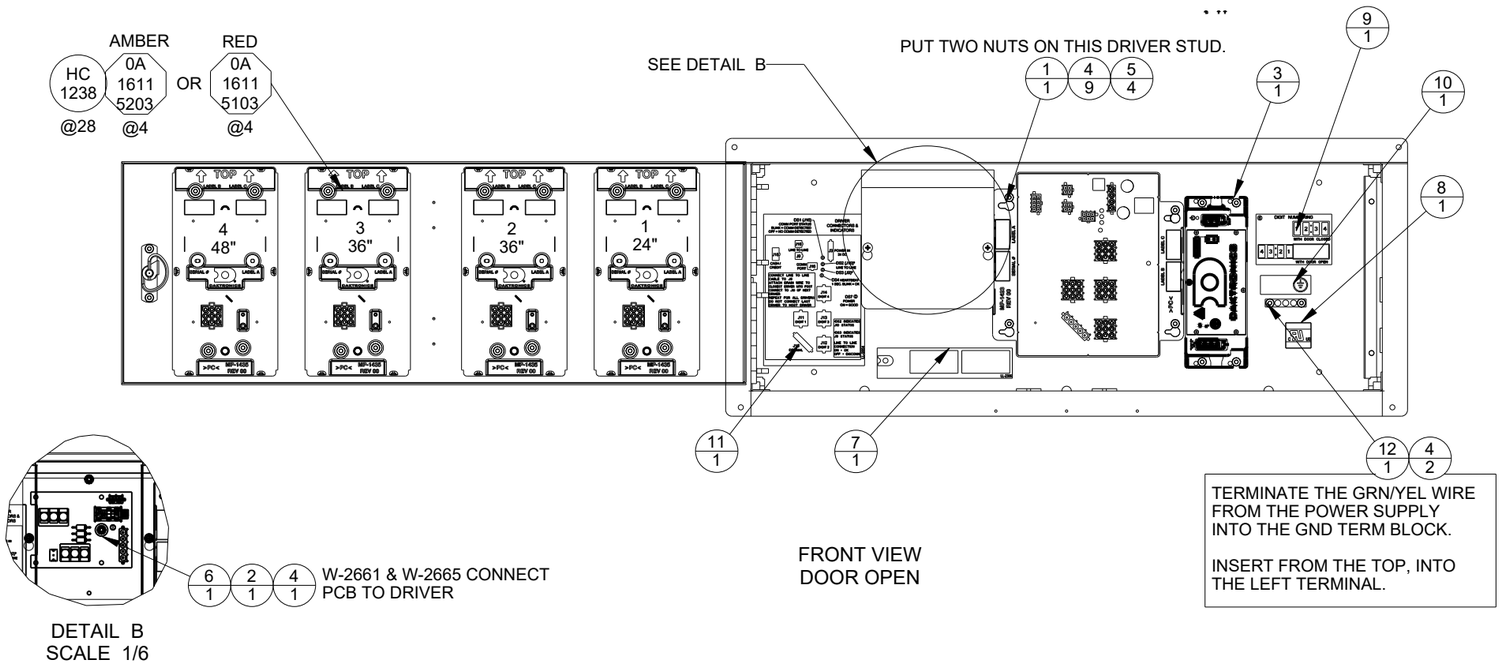
REV	DATE:		BY:
02	30 JAN 18	REMOVED OPTIONAL FIELD SIDE HANDHELD SETUP VIEW UPDATED PRESS BOX CONTROL LOCATION DETAIL VIEW	MTR
01	- DATE: - 11 FEB 15	UPDATED CONTROL ROOM LAYOUT WITH NEWER PLANS FOR HAND HELDS AND SWITCH INTERFACE REMOVED "RED" FROM DETAILS	MMM

REV	DATE:		BY:
06	6 DEC 23	UPDATED HANDHELD DETAILS	MTR
05	10 DEC 21	REMOVED BASELINE CONTROL DETAIL	TRG
04	19 NOV 21	UPDATE PRESS BOX CONTROL LOCATION	MTR
03	25 MAR 19	UPDATED PRESS BOX CONTROL LOCATION REPLACED 4 DIGIT TIMER WITH A 3 DIGIT TIMER	TMA

THIRD ANGLE PROJECTION

PROJECT:	MINOR LEAGUE BASEBALL
TITLE:	SYSTEM RISER; MINOR LEAGUE PARKS, TIMING SYSTEM
DATE:	19 JAN 15
DIM UNITS:	INCHES [MILLIMETERS]
SHEET:	REV: 05
SCALE:	NONE
	DO NOT SCALE DRAWING
DESIGN:	MMILLER
DRAWN:	MMILLER
JOB NO:	P-1196
FUNC - TYPE - SUS:	P - 01 - D

1201138

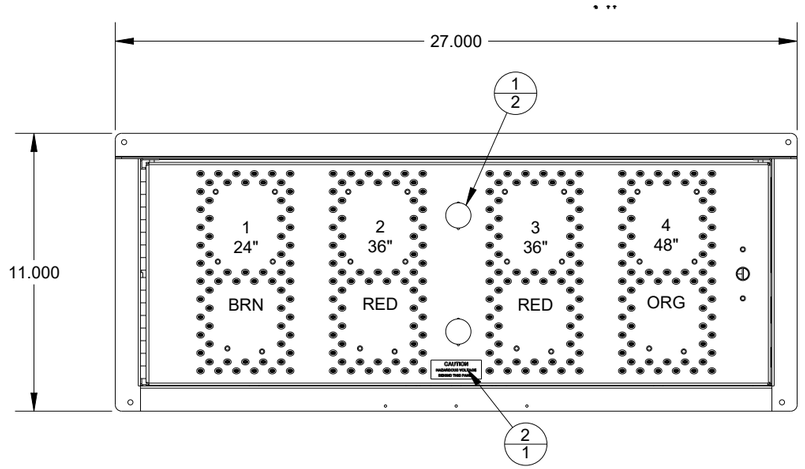


FRONT VIEW
DOOR OPEN

DETAIL B
SCALE 1/6

INDEX	NAME	QTY	DESCRIPTION
1	0A-1192-0500	1	DRIVER ASSY, GAS PRICE III
2	0P-1196-0048	1	FIBER TO CL CONVERTOR GII, SNGL MODE, LOW VOLTAGE
3	A-2743	1	POWER SUPPLY 24V 90-264VAC 65W IP67 SURFACE
4	HC-1238	12	NUT, #6-32 HEX KEPS, ZN PLTD
5	HE-1387	4	SPACER, 0.160" L, 0.25" OD, 0.171" ID,
6	HS-1042	1	SPACER; PLASTIC 1/2"OD X .378"LONG, 1/4" BORE
7	LL-2306	1	LABEL, SERIAL NO./SPECS, 2 WINDOWS, PER DWG 92515
8	LL-2666	1	LABEL, UL RECOGNIZED COMPONENT, US/CANADA
9	LL-2854-6	1	DIGIT NO., 1-DR CLOCK
10	LL-2854-GND	1	GROUND
11	LL-2854-MAIN	1	LABEL, DRIVER CONNECTORS
12	TB-1137	1	GND BAR, WS #4 - 14, SLTD SET SCREWS, 3 POS

INDEX	NAME	QTY	DESCRIPTION
1	0G-116603-D	2	CAPTION, DOT, 1"
2	LL-2854-HAZ	1	CAUTION HAZARDOUS VOLTAGE



FRONT VIEW

TORQUE REQUIREMENTS		
COMPONENT	TORQUE VALUE	RANGE
#6 NUTS (HC-1238)	9.6 IN·LB	± 2.0 IN LB
GND TERM (TB-1137) SCREWS	20.0 IN LB	± 2.0 IN LB

HARNESSES				
FUNCTION	PART NO.	LENGTH	QTY	COLOR
DIGIT	0A-1611-0013	24"	1	BRN
DIGIT	0A-1611-0014	36"	2	RED
DIGIT	0A-1611-0015	48"	1	ORG
POWER	W-2567	12"	1	W/B/G-Y
POWER	W-4083996	181"	1	R/BK/W/G
POWER	W-4088163	60"	1	R/G/BK

DATA FOR LL-2306 SPEC. LABEL
DISPLAY W/ RED DIGITS, ' ASSY# ' MODEL NO. MLB, 8" DIGIT, RED 100V - 240V AC PRIMARY 30 WATTS 24V SECONDARY
DISPLAY W/ AMBER DIGITS,' ASSY# ' MODEL NO. MLB, 8" DIGIT, AMBER 100V - 240V AC PRIMARY 30 WATTS 24V SECONDARY

REV:	DATE:	DESCRIPTION:	BY:	
03	28 JUL 23	PER CN-158602, REPLACED HC-1373 W/ HC-1238	KDM 12059	

DAKTRONICS

THIRD ANGLE PROJECTION

PROJECT:	OUTDOOR SHEETMETAL SCOREBOARDS		
TITLE:	FA, MLB, 8" DIGIT		
DATE:	28-JUL-23	DIM UNITS: INCHES [MILLIMETERS]	SHEET / REV
SCALE:	1/6	DO NOT SCALE DRAWING	03
DESIGN:	KDRAGT	JOB NO. / FUNC - TYPE - SIZE	
DRAWN:	KDRAGT	P1753 / E - 10 - B	1202662

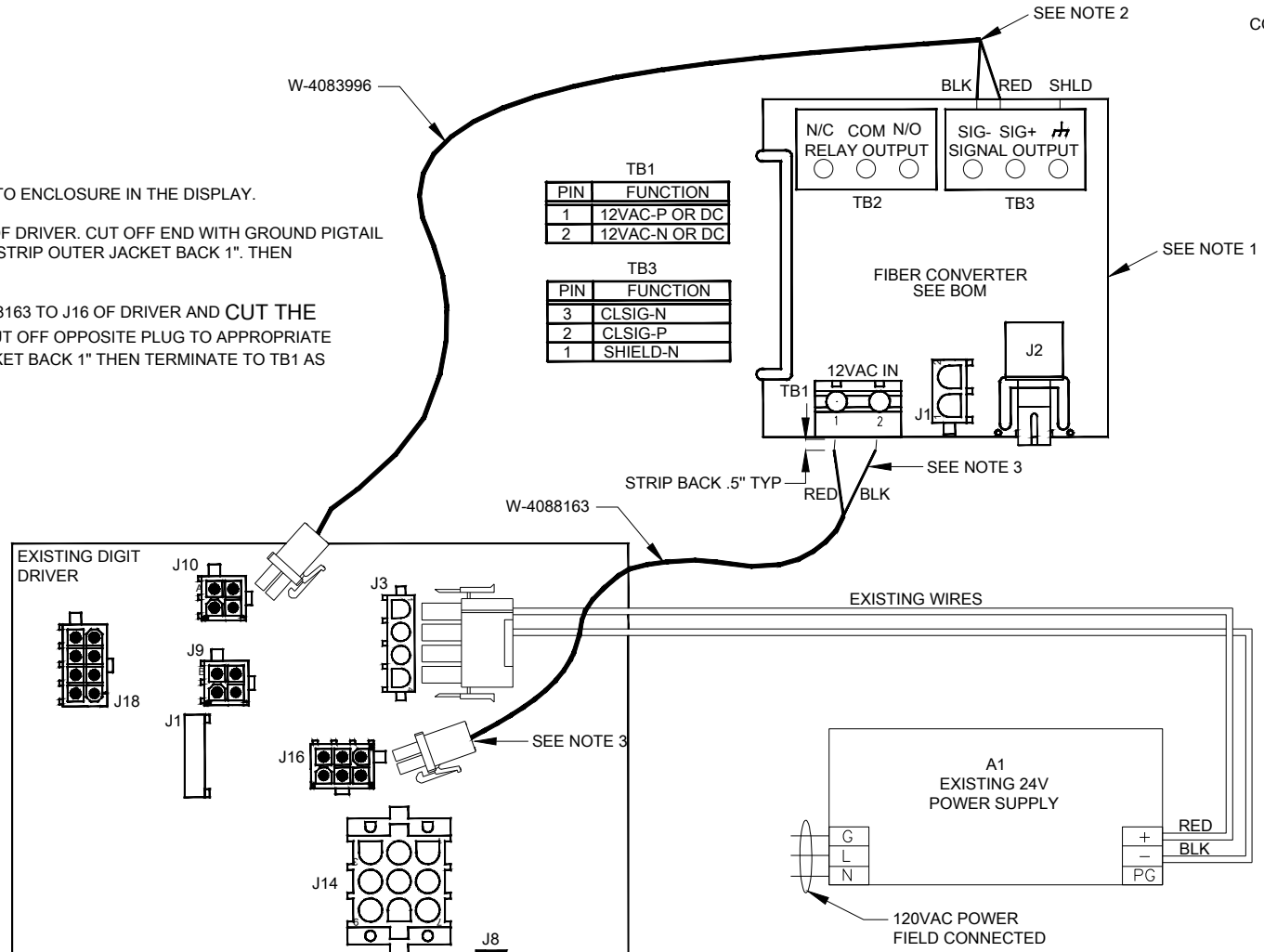
0A-1196-0250
COMMUNICATION KIT; SINGLE MODE FIBER RECEIVER

NOTES:

1. ADD CONVERTER ASSEMBLY TO ENCLOSURE IN THE DISPLAY.

2. CONNECT W-4083996 TO J10 OF DRIVER. CUT OFF END WITH GROUND PIGTAIL TO APPROPRIATE LENGTH AND STRIP OUTER JACKET BACK 1". THEN TERMINATE TO TB3 AS SHOWN.

3. CONNECT ONE END OF W-4088163 TO J16 OF DRIVER AND CUT THE GREEN/YELLOW WIRE. CUT OFF OPPOSITE PLUG TO APPROPRIATE LENGTH AND STRIP OUTER JACKET BACK 1" THEN TERMINATE TO TB1 AS SHOWN



TB1

PIN	FUNCTION
1	12VAC-P OR DC
2	12VAC-N OR DC

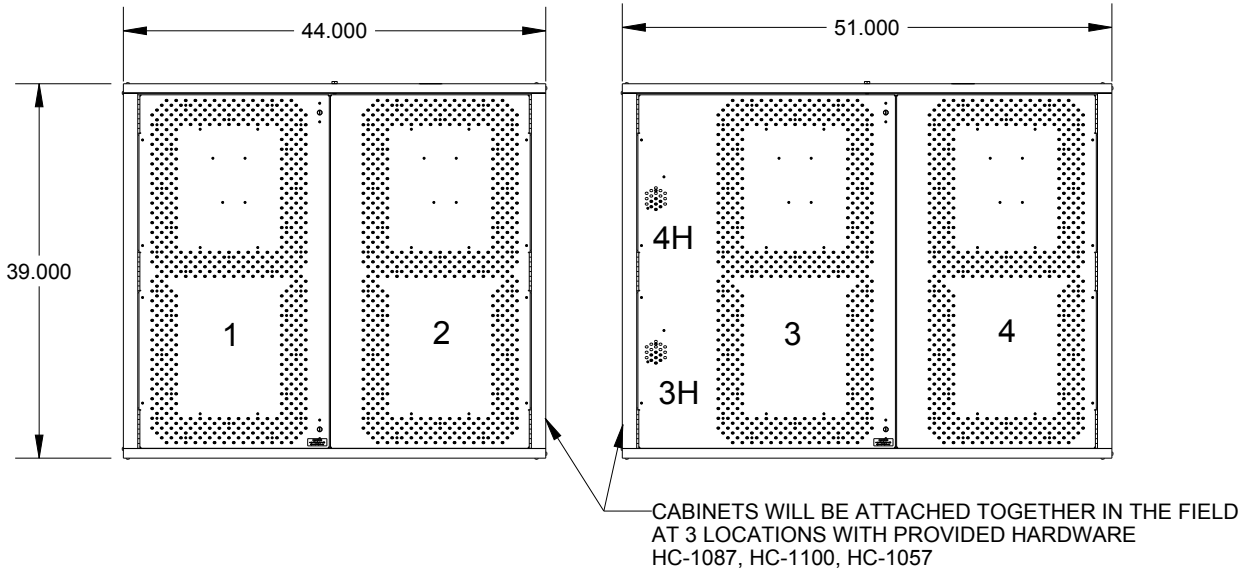
TB3

PIN	FUNCTION
3	CLSIG-N
2	CLSIG-P
1	SHIELD-N

REV	DATE:		BY:	
03	24 OCT 19	PER CN-91099, REPLACED W-2661/-2665 W/ W-4083996/-4088163	KDM	
02	10 FEB 16	PER EC-17260, REMOVED WIRE FROM W-2661 (SHLD)	KDD	
01	19 FEB 15	REPLACED W-1092, W-1094 AND E-1047 WITH W-2665 MOVED W-2661 FROM J9 TO J10 OF DRIVER	DCS	

THIRD ANGLE PROJECTION

PROJECT:	ALLSPORT 5000 SERIES			
TITLE:	INSTALLATION DETAILS;FIBER CARD TO DRVR & PWR SUPPLY			
DATE: 03 FEB 15	DIM UNITS: INCHES [MILLIMETERS]		SHEET	REV
SCALE: NONE	DO NOT SCALE DRAWING			03
DESIGN:	JOB NO.	FUNC - TYPE - SIZE	1203116	
DRAWN: DSAND	P1196	R - 03 - A		



FRONT VIEW

REV	DATE:		BY:	
01	12 FEB 16	PER EC-17260, REPLACED HC-1184 W/ HC-1057	KDD	

DAKTRONICS

THIRD ANGLE PROJECTION

PROJECT:	OUTDOOR SHEETMETAL SCOREBOARDS			
TITLE:	FA; MLB, 36" DIGIT DISPLAY			
DATE:	10-FEB-16	DIM UNITS: INCHES [MILLIMETERS]	SHEET	REV
SCALE:	1/20	DO NOT SCALE DRAWING	1 OF 1	01
DESIGN:	KDRAGT	JOB NO. P1735 / FUNC - TYPE - SIZE E - 10 - A	3001285	
DRAWN:	KDRAGT			

Part # - DWG-03001285 Version - 01.1 Description - N FA; MLB, 36" DIGIT DISPLAY Lifecycle State - Full Production Last Modified By - kdragt Last Modified - 2016-02-10

LEFT DOOR

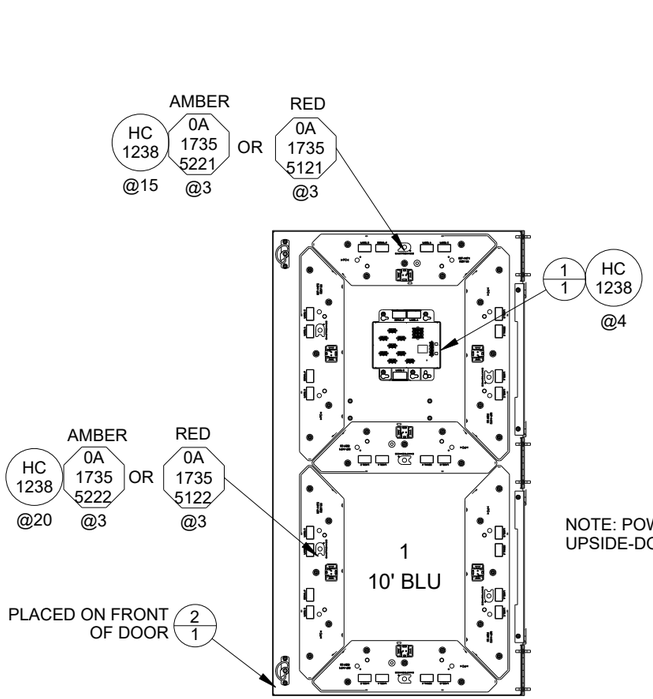
INDEX	NAME	QTY	DESCRIPTION
1	0A-1735-0400	1	BREAKOUT BOARD, SEALED
2	LL-2854-HAZ	1	CAUTION HAZARDOUS VOLTAGE

CABINET WITHOUT DOORS

INDEX	NAME	QTY	DESCRIPTION
1	A-2743	2	POWER SUPPLY 24V 90-264VAC 65W IP67 SURFACE
2	HC-1238	8	NUT, #6-32 HEX KEPS, ZN PLTD
3	LL-2856	1	LABEL, DIGIT SEGMENT DESIGNATIONS PER DWG 1094455
4	LL-2918	1	LABEL, SECTION NUMBER, 2.5"X2.5", PER DWG 1147808

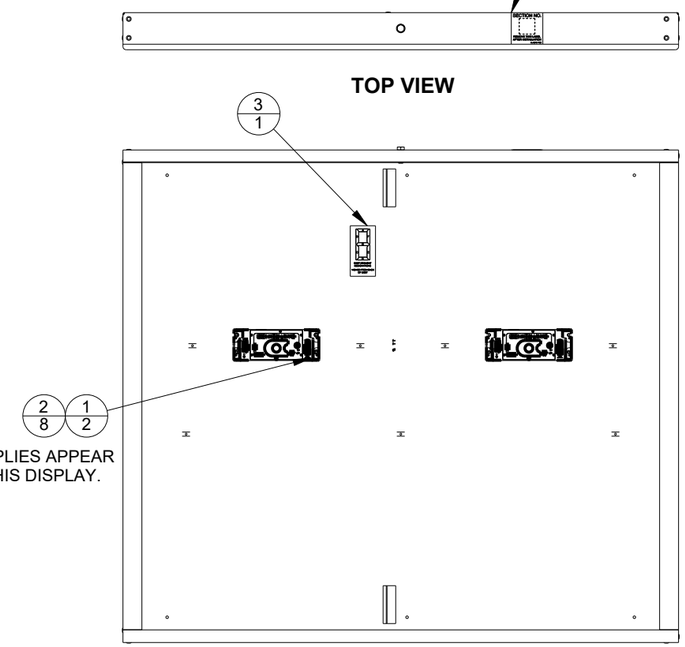
RIGHT DOOR

INDEX	NAME	QTY	DESCRIPTION
1	0A-1735-0400	1	BREAKOUT BOARD, SEALED



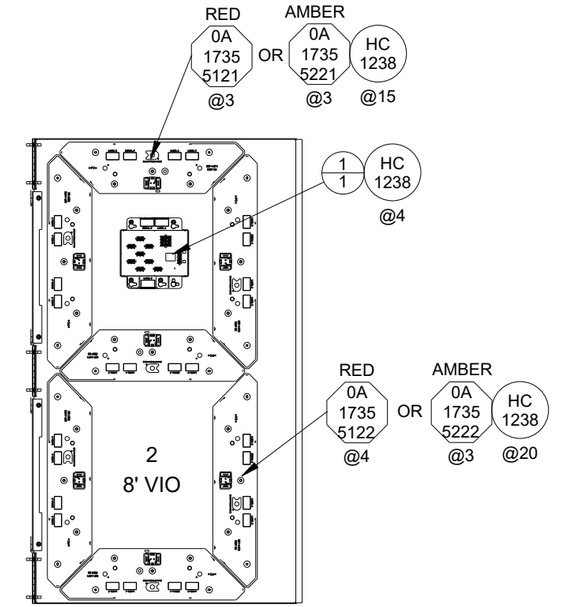
REAR VIEW
LEFT DOOR
WILL BE ATTACHED TO CABINET

4/1 APPLY THE SECTION NO. LABEL TO THE TOP OF THE DISPLAY.
USING A BLACK MARKER, WRITE " 1 " IN THE SPACE ON THE LABEL.



NOTE: POWER SUPPLIES APPEAR UPSIDE-DOWN IN THIS DISPLAY.

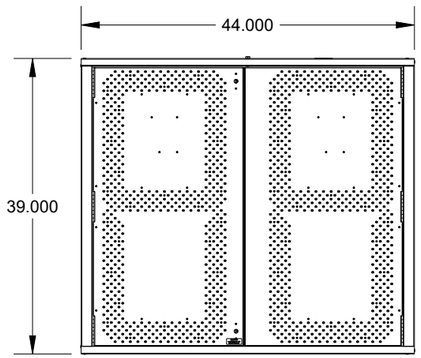
FRONT VIEW
DOORS NOT SHOWN



REAR VIEW
RIGHT DOOR
WILL BE ATTACHED TO CABINET

WIRING HARNESSES:
DRIVER TO B.O.B. OR DIGIT, 9P-9P 0A-1611-0017, 8FT, VIO @1 W-4068630, 10FT, BLU @1
POWER SUPPLY TO B.O.B., 4P-4P 0A-1611-0036, 3FT, RED/BLK/ORG @2
B.O.B. TO SEGMENTS, 2P-2P 0A-1611-0031, 1FT, BLK @8 0A-1611-0033, 3FT, RED @6
120V IN TO POWER SUPPLY, 3P-WHIP W-4139795, 10FT, BLU @1

TIE THESE CABLES TO THE FORMED ANCHORS, SO THEY CAN PASS THROUGH THE HOLE ON THE RIGHT SIDE:
- 9P-9P CABLES FROM DIGITS
- 3P-WHIP FROM POWER SUPPLIES



FRONT VIEW
SCALE 1/20

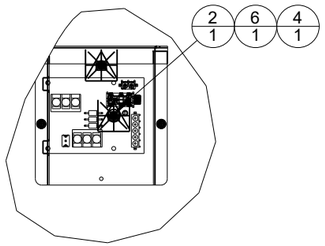
TORQUE REQUIREMENTS		
COMPONENT	TORQUE VALUE	RANGE
#6 NUTS (HC-1238)	9.6 IN·LB	± 2.0 IN LB

REV:	DATE:	DESCRIPTION:	BY:	
02	28 JUL 23	PER CN-158602, REPLACED HC-1373 W/ HC-1238	KDM 12059	
01	16 SEP 19	PER CN-84283, REPLACED W-2450/-2644/-2643/-2638/-2640/-2647 W/ 0A-1611-0017, W-4068630, 0A-1611-0036, 0A-1611-0031/-0033, AND W-4139795	KDM 12059	

THIRD ANGLE PROJECTION

PROJECT:	OUTDOOR SHEETMETAL SCOREBOARDS			
TITLE:	FA; MLB, 36" DIGIT DISPLAY, LEFT SECTION			
DATE:	28-JUL-23	DIM UNITS: INCHES [MILLIMETERS]	SHEET	REV
SCALE:	1/12	DO NOT SCALE DRAWING		02
DESIGN:	KDRAGT	JOB NO.	FUNC - TYPE - SIZE	3001286
DRAWN:	KDRAGT	P1735	E - 10 - B	

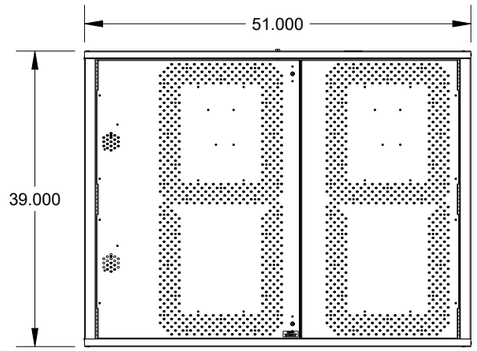
TORQUE REQUIREMENTS		
COMPONENT	TORQUE VALUE	RANGE
#6 NUTS (HC-1238)	9.6 IN·LB	± 2.0 IN LB
GND TERM (TB-1137) SCREWS	20.0 IN LB	± 2.0 IN LB



DETAIL A
SCALE 1/6

CABINET WITHOUT DOORS

INDEX	NAME	QTY	DESCRIPTION
1	0A-1192-0500	1	DRIVER ASSY, GAS PRICE III
2	0P-1196-0048	1	FIBER TO CL CONVERTOR GII, SNGL MODE, LOW VOLTAGE
3	A-2743	3	POWER SUPPLY 24V 90-264VAC 65W IP67 SURFACE
4	HC-1238	19	NUT, #6-32 HEX KEPS, ZN PLTD
5	HE-1387	4	SPACER, 0.160" L, 0.25" OD, 0.171" ID,
6	HS-1042	1	SPACER; PLASTIC 1/2"OD X .378"LONG, 1/4" BORE
7	LL-2306	1	LABEL, SERIAL NO./SPECS, 2 WINDOWS, PER DWG 92515
8	LL-2666	1	LABEL, UL RECOGNIZED COMPONENT, US/CANADA
9	LL-2854	1	GROUND
10	LL-2854	1	LABEL, DRIVER CONNECTORS
11	LL-2856	1	LABEL, DIGIT SEGMENT DESIGNATIONS PER DWG 1094455
12	LL-2918	1	LABEL, SECTION NUMBER, 2.5"X2.5", PER DWG 1147808
13	TB-1137	1	GND BAR, WS #4 - 14, SLTD SET SCREWS, 3 POS



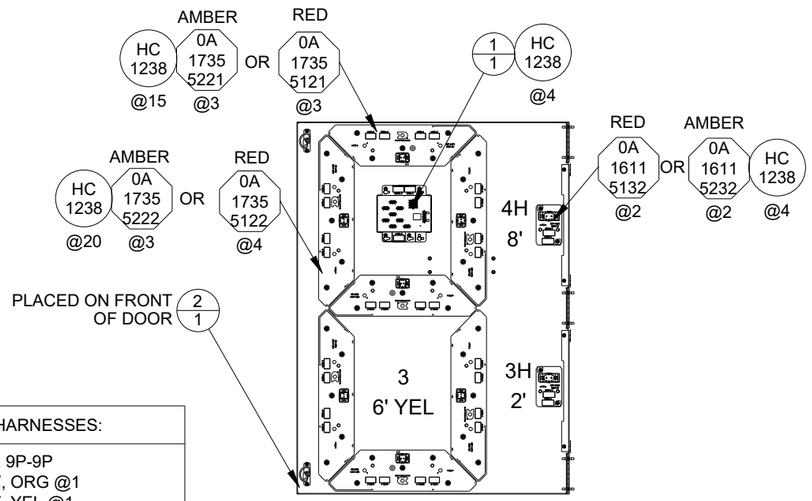
FRONT VIEW
SCALE 1/20

LEFT DOOR

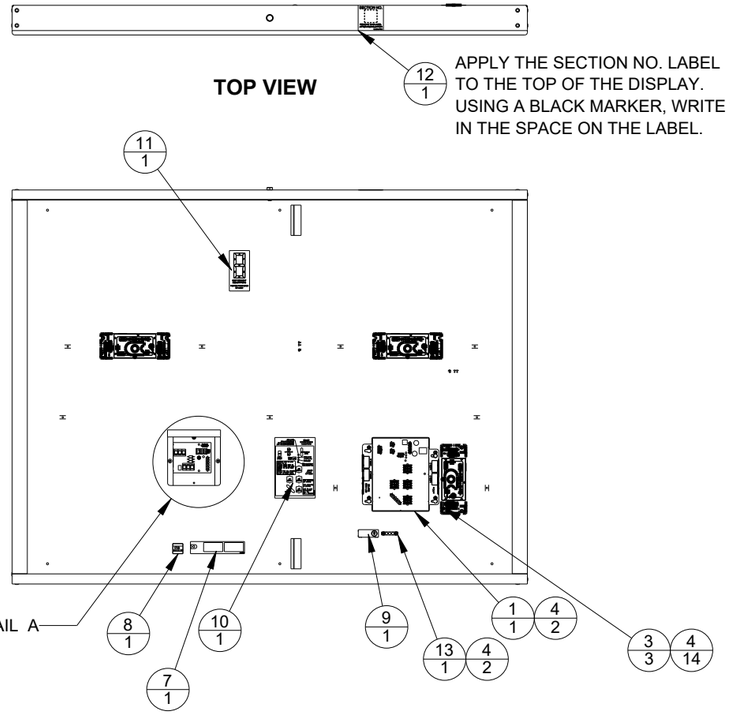
INDEX	NAME	QTY	DESCRIPTION
1	0A-1735-0400	1	BREAKOUT BOARD, SEALED
2	LL-2854	1	CAUTION HAZARDOUS VOLTAGE

RIGHT DOOR

INDEX	NAME	QTY	DESCRIPTION
1	0A-1735-0400	1	BREAKOUT BOARD, SEALED



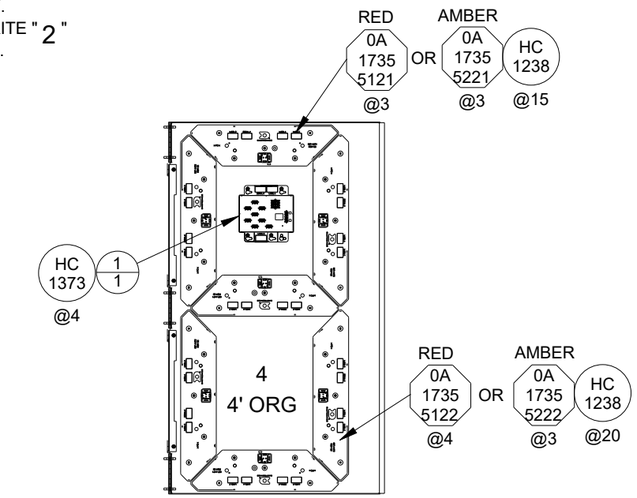
REAR VIEW
LEFT DOOR
WILL BE ATTACHED TO CABINET



FRONT VIEW
DOORS NOT SHOWN

TOP VIEW

APPLY THE SECTION NO. LABEL TO THE TOP OF THE DISPLAY. USING A BLACK MARKER, WRITE " 2 " IN THE SPACE ON THE LABEL.



REAR VIEW
RIGHT DOOR
WILL BE ATTACHED TO CABINET

WIRING HARNESSES:
DRIVER TO B.O.B., 9P-9P 0A-1611-0015, 4FT, ORG @1 0A-1611-0016, 6FT, YEL @1
DIGIT TO DECIMAL, 5P-2P 0A-1192-4437, 2FT @1 0A-1192-4438, 8FT @1
POWER SUPPLY TO B.O.B., 4P-4P 0A-1611-0036, 3FT @2
B.O.B. TO SEGMENTS, 2P-2P 0A-1611-0031, 1FT, BLK @8 0A-1611-0033, 3FT, RED @6
120V IN TO POWER SUPPLY, 3P-WHIP W-2567, 1FT @1 W-4139795, 10FT DUAL @1
DRIVER TO FIBER, 4P-4P MINI W-4083996, 15' @1
DRIVER TO FIBER, 6P-6P MINI W-4088163, 60" @1

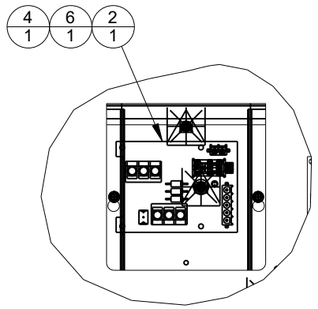
DATA FOR LL-2306 SPEC. LABEL
DISPLAY W/ RED DIGITS, ' ASSY# ' MODEL NO. MLB, 36" DIGIT, RED 100V - 240V AC PRIMARY 270 WATTS 24V SECONDARY
DISPLAY W/ AMBER DIGITS, ' ASSY# ' MODEL NO. MLB, 36" DIGIT, AMBER 100V - 240V AC PRIMARY 270 WATTS 24V SECONDARY

REV:	DATE:	DESCRIPTION:	BY:
03	28 JUL 23	PER CN-158602, REPLACED HC-1373 W/ HC-1238	KDM 12059

THIRD ANGLE PROJECTION

PROJECT:	OUTDOOR SHEETMETAL SCOREBOARDS		
TITLE:	FA; MLB, 36" DIGIT DISPLAY, RIGHT SECTION		
DATE:	28-JUL-23	DIM UNITS: INCHES [MILLIMETERS]	SHEET / REV
SCALE:	1/15	DO NOT SCALE DRAWING	03
DESIGN:	KDRAGT	JOB NO. P1735 / FUNC - TYPE - SIZE E - 10 - B	3001287
DRAWN:	KDRAGT		

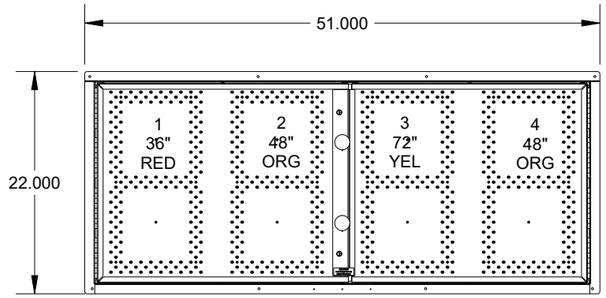
TORQUE REQUIREMENTS		
COMPONENT	TORQUE VALUE	RANGE
#6 NUTS (HC-1238)	9.6 IN·LB	± 2.0 IN LB
GND TERM (TB-1137) SCREWS	20.0 IN LB	± 2.0 IN LB



DETAIL A
SCALE 1/5

CABINET WITHOUT DOORS

INDEX	NAME	QTY	DESCRIPTION
1	0A-1192-0500	1	DRIVER ASSY, GAS PRICE III
2	0P-1196-0048	1	FIBER TO CL CONVERTOR GII, SNGL MODE, LOW VOLTAGE
3	A-2743	1	POWER SUPPLY 24V 90-264VAC 65W IP67 SURFACE
4	HC-1238	11	NUT, #6-32 HEX KEPS, ZN PLTD
5	HE-1387	4	SPACER, 0.160" L, 0.25" OD, 0.171" ID,
6	HS-1042	1	SPACER; PLASTIC 1/2"OD X .378"LONG, 1/4" BORE
7	LL-2306	1	LABEL, SERIAL NO./SPECS, 2 WINDOWS, PER DWG 92515
8	LL-2666	1	LABEL, UL RECOGNIZED COMPONENT, US/CANADA
9	LL-2854-MAIN	1	LABEL, DRIVER CONNECTORS
10	TB-1137	1	GND BAR, WS #4 - 14, SLTD SET SCREWS, 3 POS



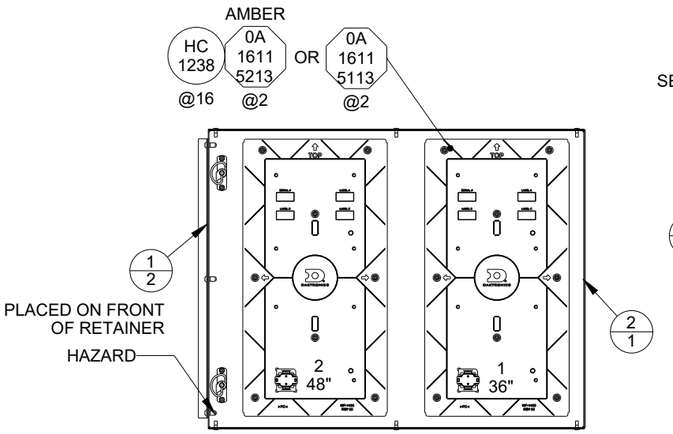
FRONT VIEW
SCALE 1/15

LEFT DOOR

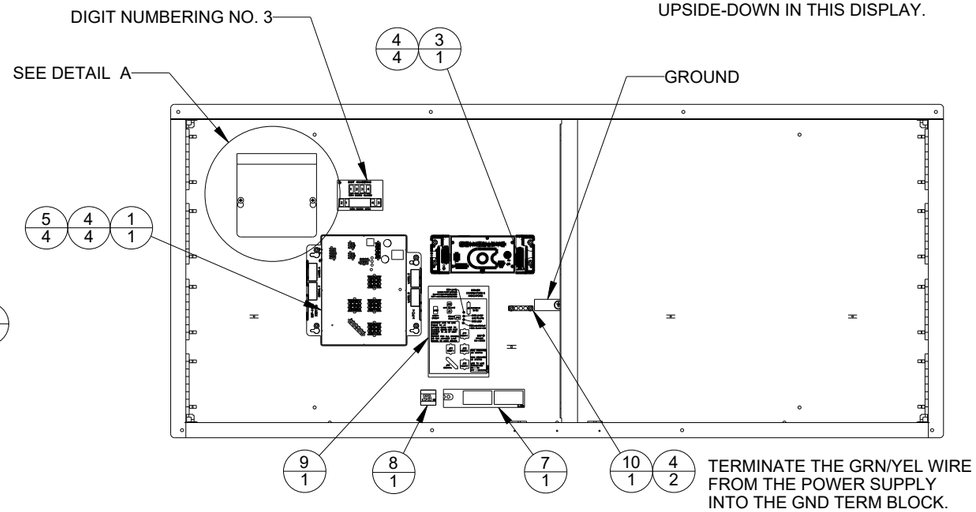
INDEX	NAME	QTY	DESCRIPTION
1	0G-116603-F	2	CAPTION; DOT, 1.5"
2	0M-3009984	1	FACE PANEL; HEX-407, 19.48" X 24.63"

RIGHT DOOR

INDEX	NAME	QTY	DESCRIPTION
1	0M-3009985	1	FACE PANEL; HEX-407, 19.48" X 23.28"



REAR VIEW
LEFT DOOR
WILL BE ATTACHED TO CABINET

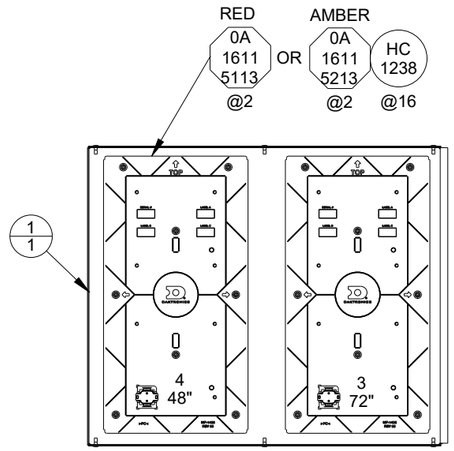


NOTE: POWER SUPPLY APPEARS UPSIDE-DOWN IN THIS DISPLAY.

TERMINATE THE GRN/YEL WIRE FROM THE POWER SUPPLY INTO THE GND TERM BLOCK.

INSERT FROM THE TOP INTO THE LEFT TERMINAL.

FRONT VIEW
DOORS NOT SHOWN



REAR VIEW
RIGHT DOOR
WILL BE ATTACHED TO CABINET

DATA FOR LL-2306 SPEC. LABEL
DISPLAY W/ RED DIGITS, ' ASSY# ' MODEL NO. MLB, 18" DIGIT, RED 100V - 240V AC PRIMARY 65 WATTS 24V SECONDARY
DISPLAY W/ AMBER DIGITS, ' ASSY# ' MODEL NO. MLB, 18" DIGIT, AMBER 100V - 240V AC PRIMARY 65 WATTS 24V SECONDARY

HARNESSES				
FUNCTION	PART NO.	LENGTH	QTY	COLOR
DIGIT	0A-1611-0014	36"	1	RED
DIGIT	0A-1611-0015	48"	2	ORG
DIGIT	0A-1611-0016	72"	1	YEL
POWER	W-2567	12"	1	W/B/G-Y
POWER	W-4083996	15'	1	R/B/W/G
SIGNAL	W-4088163	60"	1	R/B

REV:	DATE:	DESCRIPTION:	BY:	
04	28 JUL 23	PER CN-158602, REPLACED HC-1373 W/ HC-1238	KDM 12059	

THIRD ANGLE PROJECTION

PROJECT:	OUTDOOR SHEETMETAL SCOREBOARDS		
TITLE:	FA, 18" DIGIT MLB DISPLAY		
DATE: 28-JUL-23	DIM UNITS: INCHES [MILLIMETERS]	SHEET	REV 04
SCALE: 1/10	DO NOT SCALE DRAWING		
DESIGN: KDRAGT	JOB NO. P1753	FUNC - TYPE - SIZE E - 10 - B	3007269
DRAWN: KDRAGT			

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B Daktronics Warranty & Limitation of Liability

This section includes the Daktronics Warranty & Limitation of Liability statement (SL-02374).

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DAKTRONICS WARRANTY & 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 and End User agree 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 (the "End User", which may also be the Purchaser) 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 End User 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 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 End User DDP Daktronics designated facility per Incoterms® 2020. If returned Equipment is repaired or replaced under the terms of this Warranty, Daktronics will prepay ground transportation charges back to End User and shall ship such items DDP End User's designated facility per Incoterms® 2020; otherwise, End User shall pay transportation charges to return the Equipment back to the End User and such Equipment shall be shipped Ex Works Daktronics designated facility per Incoterms® 2020. All returns must be pre-approved by Daktronics before shipment. Daktronics shall not be obligated to pay freight for any unapproved return. End User 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. Unless otherwise expressly provided, this Warranty does not impose any duty or liability upon Daktronics for partial LED pixel degradation. Notwithstanding the foregoing, in no event does this Warranty include LED pixel degradation caused by UV light. This Warranty does not 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, OR ACCURACY OR QUALITY OF DATA. OTHER ORAL OR WRITTEN INFORMATION OR ADVICE GIVEN BY DAKTRONICS, ITS AGENTS OR EMPLOYEES, SHALL NOT 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

This Warranty does not impose any duty or liability upon Daktronics for any:

A. 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, End User assumes all risk of loss or damage, agrees to use any shipping containers that might be provided by Daktronics, and to ship the Equipment in the manner prescribed by Daktronics;

B. damage caused by: (i)the improper handling, installation, adjustment, use, repair, or service of the Equipment, or (ii) any physical damage which includes, but is not limited to, missing, broken, or cracked components resulting from non-electrical causes;

DAKTRONICS

altered, scratched, or fractured electronic traces; missing or gauged solder pads; cuts or clipped wires; crushed, cracked, punctured, or bent circuit boards; or tampering with any electronic connections, provided that such damage is not caused by 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) improper power including, without limitation, 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. 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 End User and are not part of the contract of sale;

G. 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. replenishment of spare parts. In the event the Equipment was purchased with a spare parts package, the parties acknowledge and agree that the spare parts package is designed to exhaust over the life of the Equipment, and as such, the replenishment of the spare parts package is not included in the scope of this Warranty;

I. security or functionality of the End User's network or systems, or anti-virus software updates;

J. performance of preventive maintenance;

K. 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;

L. incorporation of accessories, attachments, software or other devices not furnished by Daktronics; or

M. paint or refinishing the Equipment or furnishing material for this purpose.

3. **Limitation of Liability**

A. 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.

B. 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 claims asserting or based on (a) loss of use of the facility or equipment; lost business, revenues, or profits; loss of goodwill; failure or increased cost of operations; loss, damage or corruption of data; loss resulting from system or service failure, malfunction, incompatibility, or breaches in system security; or (b) 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, injury to property or any damages or sums paid 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

C. In no event shall Daktronics be liable 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. The End User'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

A. The Warranty contained herein extends only to the 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; Election of Remedies

A. 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. The parties consent to the application of the laws of the State of South Dakota to govern, interpret, and enforce each of the parties' 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.

B. Any dispute, controversy or claim arising from or related to this Warranty, the parties shall first attempt to settle through negotiations. In the event that no resolution is reached, then such dispute, controversy, or claim shall be resolved by final and binding arbitration under the Rules of Arbitration of the International Chamber of Commerce. The language of the arbitration

DAKTRONICS

shall be English. The place of the arbitration shall be Sioux Falls, SD. A single arbitrator selected by the parties shall preside over the proceeding. If a single arbitrator cannot be agreed upon by the parties, each party shall select an arbitrator, and those arbitrators shall confer and agree on the appointed arbitrator to adjudicate the arbitration. The arbitrator shall have the power to grant any provisional or final remedy or relief that it deems appropriate, including conservatory measures and an award of attorneys' fees. The arbitrator shall make its decisions in accordance with applicable law. By agreeing to arbitration, the Parties do not intend to deprive any court of its jurisdiction to issue a pre-arbitral injunction, pre-arbitral attachment, or other order in aid of arbitration proceedings and the enforcement of any award. Without prejudice to such provisional remedies as may be available under the jurisdiction of a court, the arbitrator shall have full authority to grant provisional remedies and to direct the Parties to request that any court modify or vacate any temporary or preliminary relief issued by such court, and to award damages for the failure of any Party to respect the arbitrator's orders to that effect.

6. Availability of Extended Service Agreement

A. For End User's protection, in addition to that afforded by the warranties set forth herein, End User 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).

Additional Terms applicable to sales outside of the United States

The following additional terms apply **only** where the installation site of the Equipment is located outside of the United States of America.

1. In the event that the installation site of the Equipment is in a country other than the U.S.A., then, notwithstanding Section 5 of the Warranty, where the selling entity is the entity listed in Column 1, then the governing law of this Warranty is the law of the jurisdiction listed in the corresponding row in Column 2 without regard to its conflict of law principles. Furthermore, if the selling entity is an entity listed in Column 1, then the place of arbitration is listed in the corresponding row in Column 3.

Column 1 (Selling Entity)	Column 2 (Governing Law)	Column 3 (Location of Arbitration)
Daktronics, Inc.	The state of Illinois	Chicago, IL, U.S.A.
Daktronics Canada, Inc.	The Province of Ontario, Canada	Toronto, Ontario, Canada
Daktronics UK Ltd.	England and Wales	Bristol, UK
Daktronics GmbH	The Federal Republic of Germany	Wiesbaden, Germany
Daktronics Hong Kong Limited	Hong Kong, Special Administrative Region of the P.R.C.	Hong Kong SAR
Daktronics Shanghai Co., Ltd.	The Peoples Republic of China	Shanghai, P.R.C.
Daktronics France, SARL	France	Paris, France
Daktronics Japan, Inc.	Japan	Tokyo, Japan
Daktronics International Limited	Macau, Special Administrative Region of the P.R.C.	Macau SAR
Daktronics Australia Pad Ltd	Australia	Sydney, Australia
Daktronics Singapore Pte. Ltd	Singapore	Singapore
Daktronics Brazil LTDA	Brazil	São Paulo, Brazil
Daktronics Spain S.L.U.	Spain	Madrid, Spain
Daktronics Belgium N. V	Belgium	Kruibeke, Belgium
Daktronics Ireland Co. Ltd.	Ireland	Dublin, Ireland

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