7191AA User Manual

June 2017

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Computing devices and peripherals manufactured by Daisy Data Displays generate, use, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions in this manual may cause interference to radio communications. Such equipment has been tested and found to comply with the limits for a Class A computing device pursuant to Subpart J of Part 15 of the FCC Rules, which are designed to provide reasonable protection against radio interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference, in which case the user - at his own expense - will be required to take whatever measures may be required to correct the interference.

Some components may not have been manufactured by Daisy Data Displays, Inc. If not, Daisy has been advised by the manufacturer of the component that the component has been tested and complies with the Class A computing device limits as described above.

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To the original purchaser, Daisy Data Displays, Inc., hereinafter referred to collectively as SELLER, warrants each of its manufactured products, and all components therein contained to be free from defects in materials and/or workmanship for a period of 12 months from the date of purchase.

Should a malfunction or other indication of defect attributable directly to faulty materials and/or workmanship occur, Seller will, at its option, and without charge to the customer for labor and parts, repair or replace the defective product, F.O.B. Seller's plant, but Seller will not be responsible for freight from Purchaser to Seller's plant. In no event shall Seller be liable for any loss, inconvenience or damage, whether direct, incidental, consequential or otherwise resulting from abuse, misapplication or modification of the product, improper or faulty power, damage resulting from repairs or alterations performed by unauthorized persons, or conditions resulting from any other equipment attached to the product.

Seller assumes no liability for damage occurring in transit due to the product not being returned in its original shipping material.

This warranty is exclusive and is in lieu of any warranty of merchantability or fitness for a particular purpose or other warranty of quality whether expressed or implied, except of title and against patent infringement. Correction of nonconformities, in the manner and for the period of time provided above, shall constitute fulfillment of all liabilities of the Seller to the Purchaser with respect to, or arising out of the goods, whether based on contract, negligence, strict tort or otherwise.

LIMITATION OF LIABILITY: The Seller shall not under any circumstances be liable for special or consequential damages, such as, but not limited to, damage or loss of other property or equipment, loss of profits or revenues, cost of capital, cost of purchased or replacement goods, or claims of customers of Purchaser for service interruptions. The remedies of the Purchaser set forth herein are exclusive, and the liability of Seller respect to any contract, or anything done in connection therewith such as the performance or breach thereof, of from the manufacture, sale, delivery, resale, installation or use of any goods covered by or furnished under this contract whether arising out of contract, negligence, strict tort or breach of warranty or otherwise, shall not, except as expressly provided herein, exceed the price of the goods upon which such liability is based.

This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state. Seller makes every effort to provide clear and accurate technical information on the application of its products in the Operator's Manual, and assumes no liability for misuse of the information.

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1. Introduction

Thank you for selecting a Daisy solution for your hazardous area operator interface needs. This manual contains drawings and component locations for installing and setting up Daisy Data flat panel operator interface systems. In addition, Daisy Data provides warnings, precautions, and methods to ensure that the electronic systems are safe for hazardous areas. This explains the

theory behind the unique product and services provided by Daisy Data. Should you have any inquiries or concerns, please contact Daisy.

2. Applicable Ratings

National Electrical Manufacturers Association (NEMA) is the regulatory body that defines the criteria for electrical enclosures.

3. Applicable Ratings

NEMA defines a 4X enclosure as:

> ***…*** *"Type 4X Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against access to hazardous parts; to provide a degree of protection of the equipment inside the enclosure against ingress of solid foreign objects (windblown dust); to provide a degree of protection with respect to harmful effects on the equipment due to the ingress of water (rain, sleet, snow, splashing water, and hose directed water); that provides an additional level of protection against corrosion; and that will be undamaged by the external formation of ice on the enclosure."*

Please note that DAISY's systems have been fully tested under the supervision of Factory Mutual (FM) to ensure compliance with the standards.

*Part of the NEMA definition of NEMA 4X Enclosures

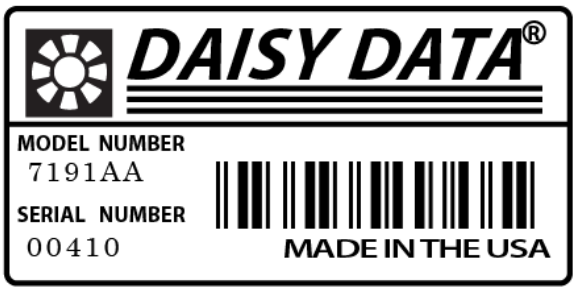
4. Customer Service

All Daisy systems pass detailed quality control configuration and inspection before being shipped. Daisy strives to create the highest quality systems, and chooses top quality parts. However, like most electronic devices, units may experience issues over time. Should you experience problems, or have any further inquiries or comments, please contact Daisy's customer service department:

Business Phone	(717) 932-9999 x222
Fax	(717) 932-8000
Email	support@Makeitdaisy.com

Equipment returned to Daisy for service must be accompanied by a valid return merchandise authorization (RMA) number. Items or products shipped to Daisy without a valid RMA number will be refused. An RMA will be generated upon receipt of Company Name, Address, Contact, Product Model and Serial Numbers.

Typical Model/Serial Number Tag



Daisy Data Displays Inc. prides itself on offering best in class support for your products. Our technical support team can help you with installation, configuration, troubleshooting, and other support issues for all Daisy's products.

5. Software/Hardware

Daisy data should be contacted for any hardware or software questions/issues. Additional SSD's or operating systems can be supplied as needed. Be aware that any modifications or alterations without the assistance of Daisy Data could affect unit certifications and implied warranty.

!! IMPORTANT NOTE ON ORDERING REPLACEMENT PARTS !!
All Daisy Data Display products undergo continual improvement to ensure they meet the myriad of regulatory standards and codes for equipment operating in hazardous enviornments. These improvements or modifications may effect Daisy Data products already in the field. With that in mind, as a customer servicing your own product, it is highly reccomended that you contact your Daisy Data Display customer service representative to confirm any part or part number you may be looking to replace. Your Daisy representative will ensure you are getting the correct part, or the possible availability of a suitable replacement part to ensure your equipment continues to meet the standards and/or codes originally intended.

6. Component Identification

View the following 7191AA Unit photos to identify components and look up corresponding part numbers in the parts list which immediately follows this section.

Figure 1 – 7191AA Unit (Front)

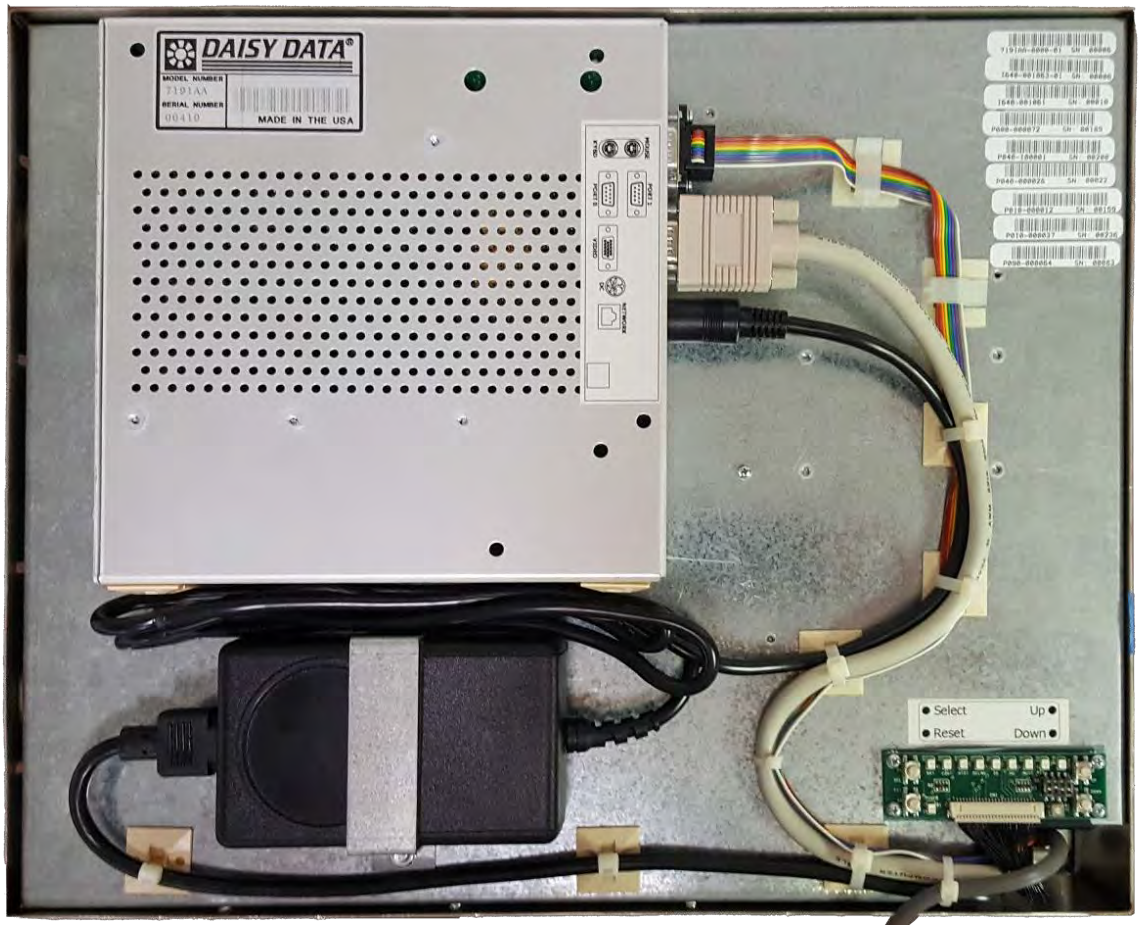


Figure 2 – 7191AA Unit (Back)

Figure 3 – 7191AA External Connections

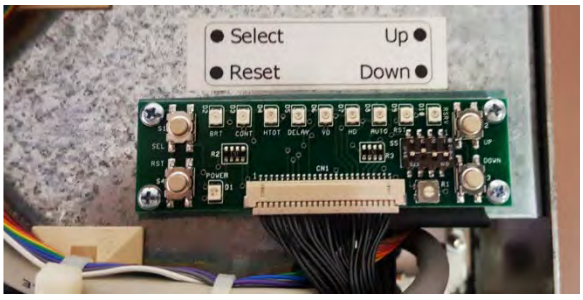


Figure 4 – External OSD Controller

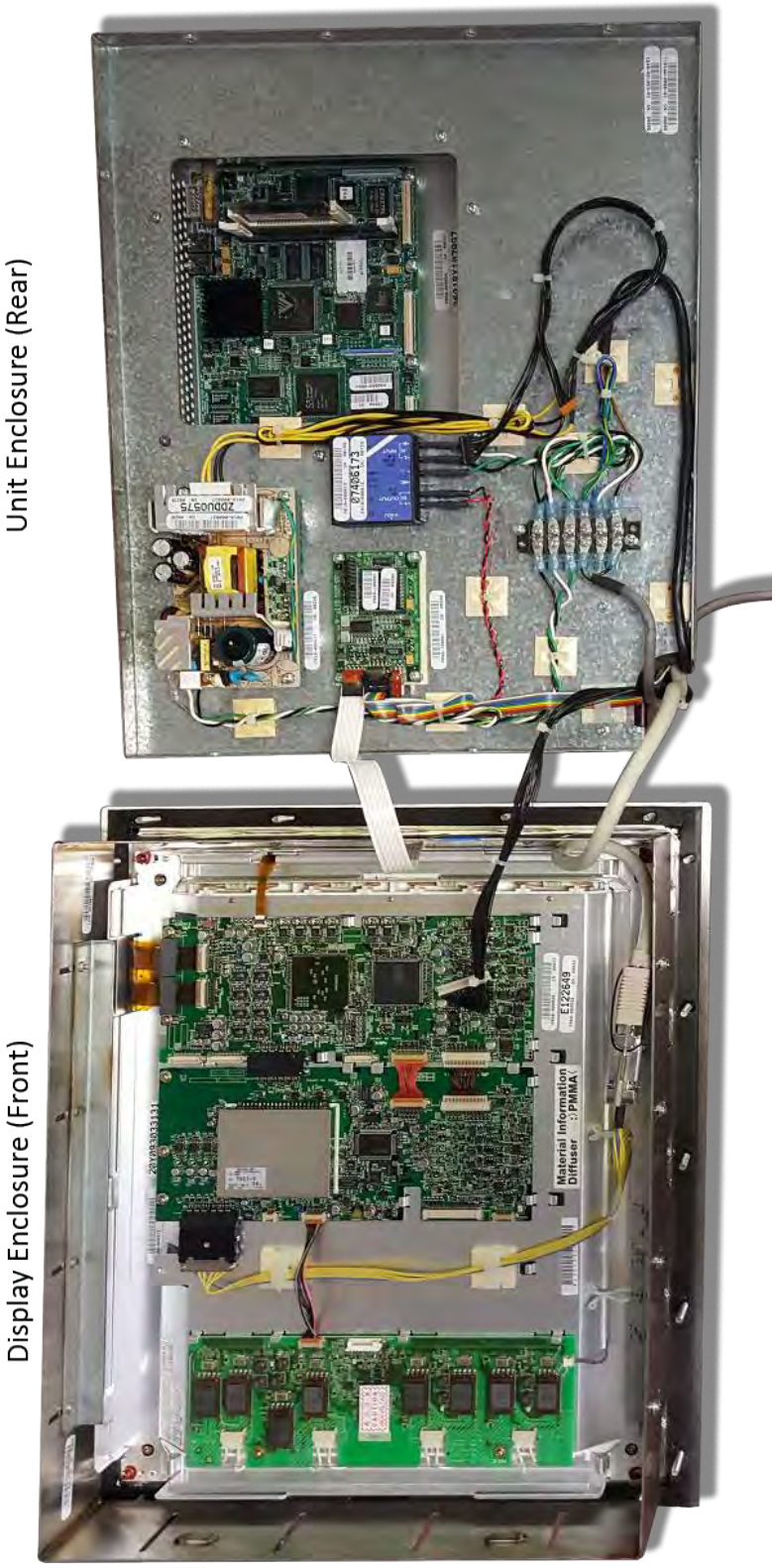


Figure 5 – 7191AA Internal Components

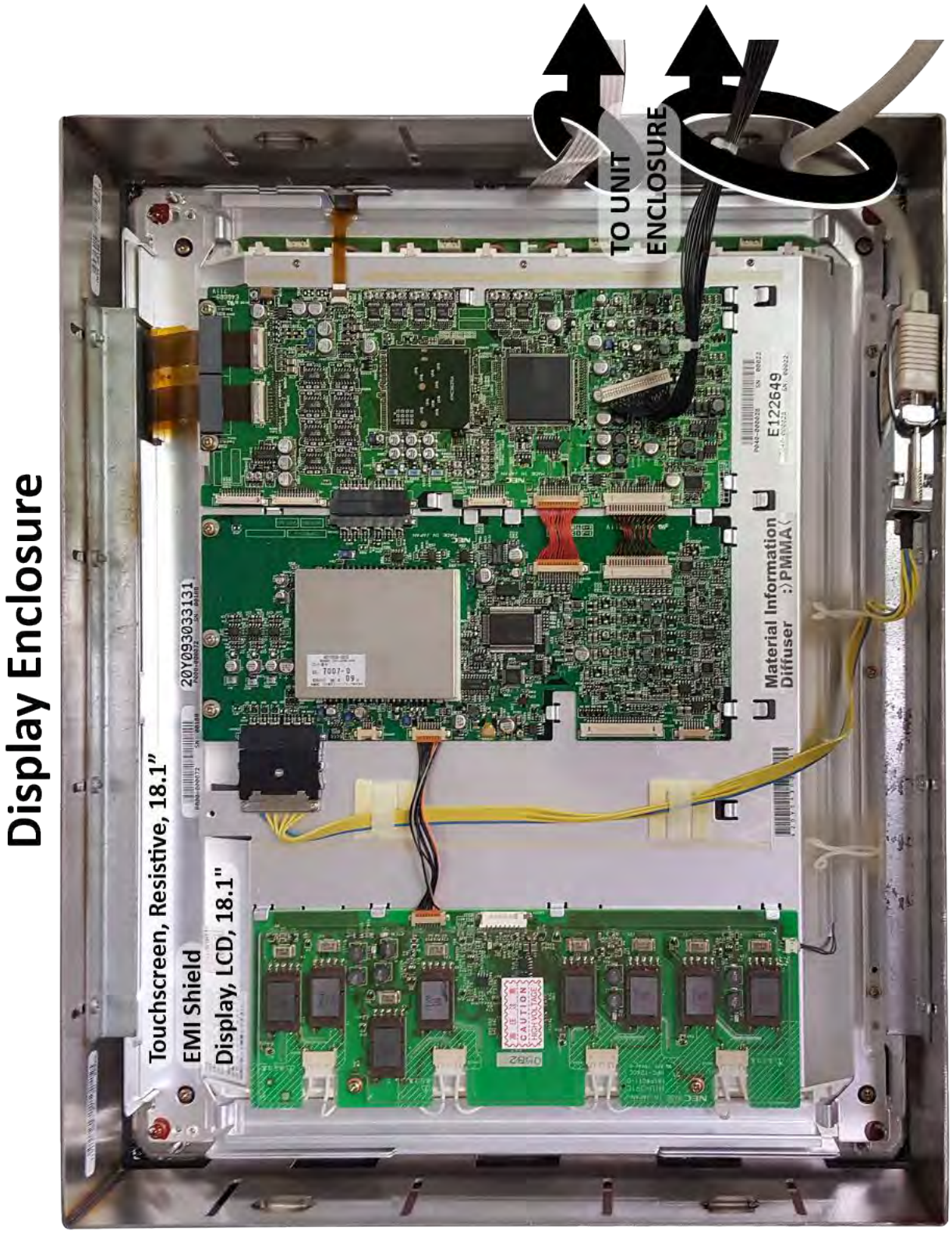


Figure 6 – 7191 Display Enclosure Components

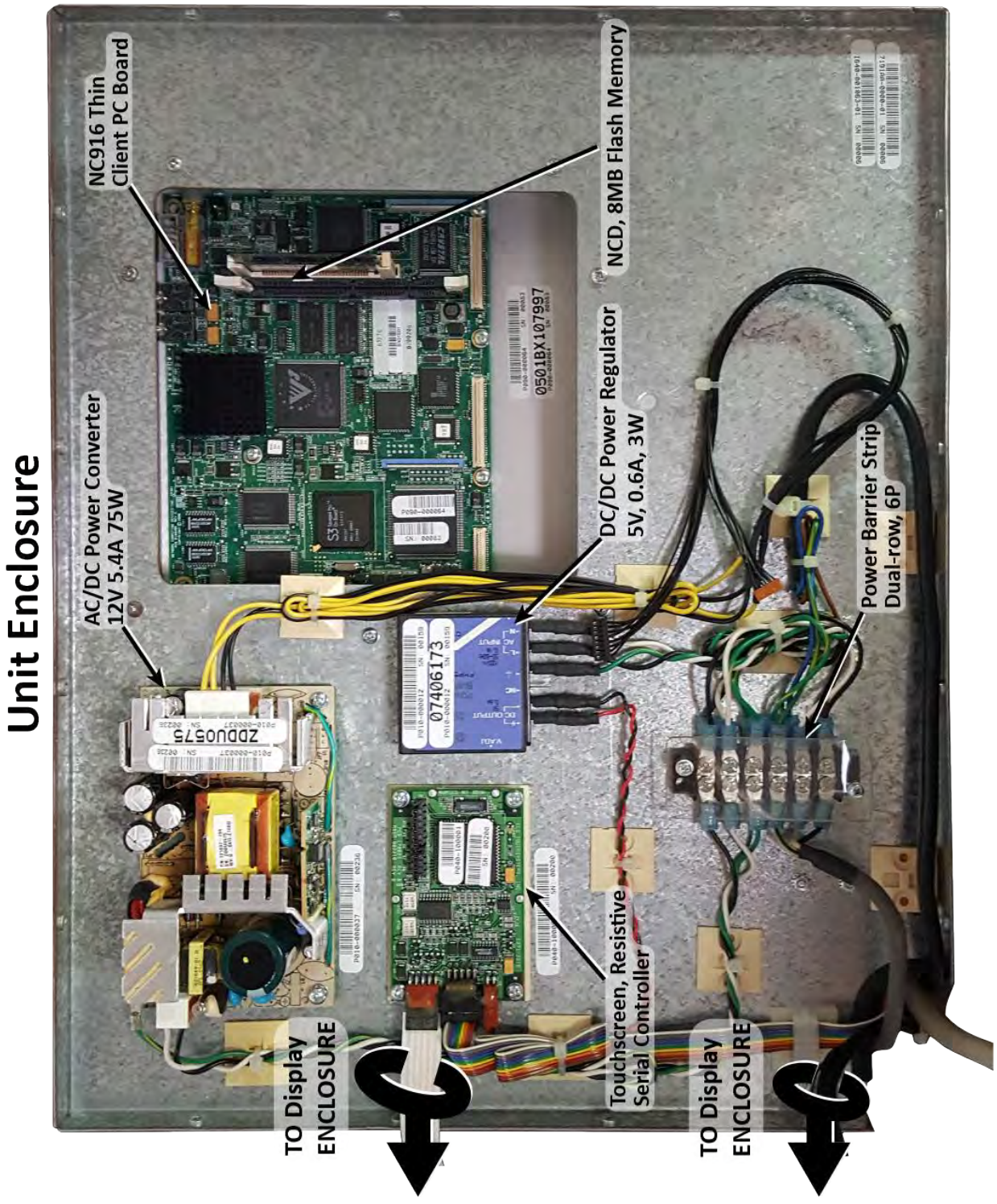


Figure 7 – Unit Enclosure Components

7. Component/Wiring Assembly Parts List

Should one or more of a unit's major components fail, please refer to the corresponding part number when ordering replacements or contacting Daisy Data Displays customer support.

7.1. Unit/Display Enclosure Component Parts List

7191AA Unit Enclosure (Back)

Component Description	Part No.
Power Barrier Strip, Duel-row, 6P	E203-900006
DC/DC Power Regulator, 5V, 0.6A, 3W	P010-000012
AC/DC Power Converter 12V 5.4A 75W	P010-000037
AccuTouch 2210 Serial Touchscreen Controller	P040-100001
OSD Adjustment Board	P050-000157
NC916 Thin Client PC Board	P090-000064
NCD,8MB FLASH MEMORY	TXN9F8FM
NCD, 10BASE2 Network Option	TXN9FB2

7191AA Display Enclosure (Front)

Component Description	Part No.
Display, LCD, 18.1"	P000-000072-02
EMI Shield, 15.28x12.15x.063"	M300-000081
Touchscreen, Resistive, 18.1"	P040-000028

7.2. Unit/Display Cable Assembly Parts List

7191AA Cable Assemblies

Component Description	Part No.
Ribbon Cable, DRR10-DB9F, 36"	I100-001242
Cable Assembly, MOLEX2-2xFASTON, 9"	I100-001258
Cable Assembly, 3xFASTON-3xSPADE, 12"	I100-001259
Cable Assembly, AC POWER, MTB3-SPADEx3	I100-001260
AC Power Cable Assembly	I100-001261
Video Cable, CN101-HD15	P070-000332
OSD NEC Cable, CN103-CN103	P070-000331
Cable, CN201, CN104-PIGTAIL, w/ D303-000211 Modification	P070-000327-01
Cable Adapter, HD15M-HD15M, SLIM	P070-000349

8. Installation/Mounting

Refer to the following drawing for cut-out information and hole placement.

8.1. Cut-out/Mounting Hole Location Drawing

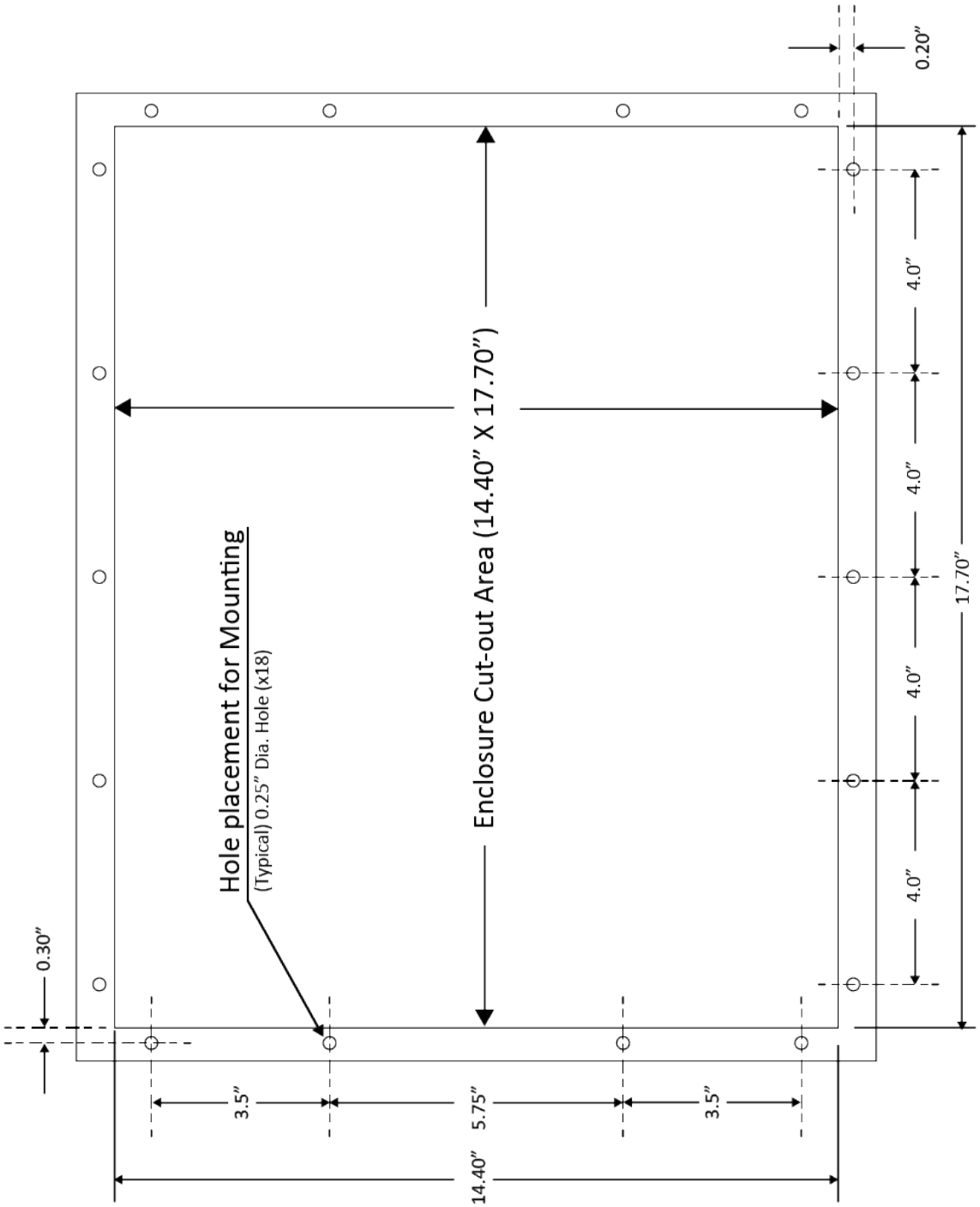


Figure 8 – Installation Cut-out Template

9. Unit Mounting Placement/Hardware

Use supplied hardware to mount the unit.

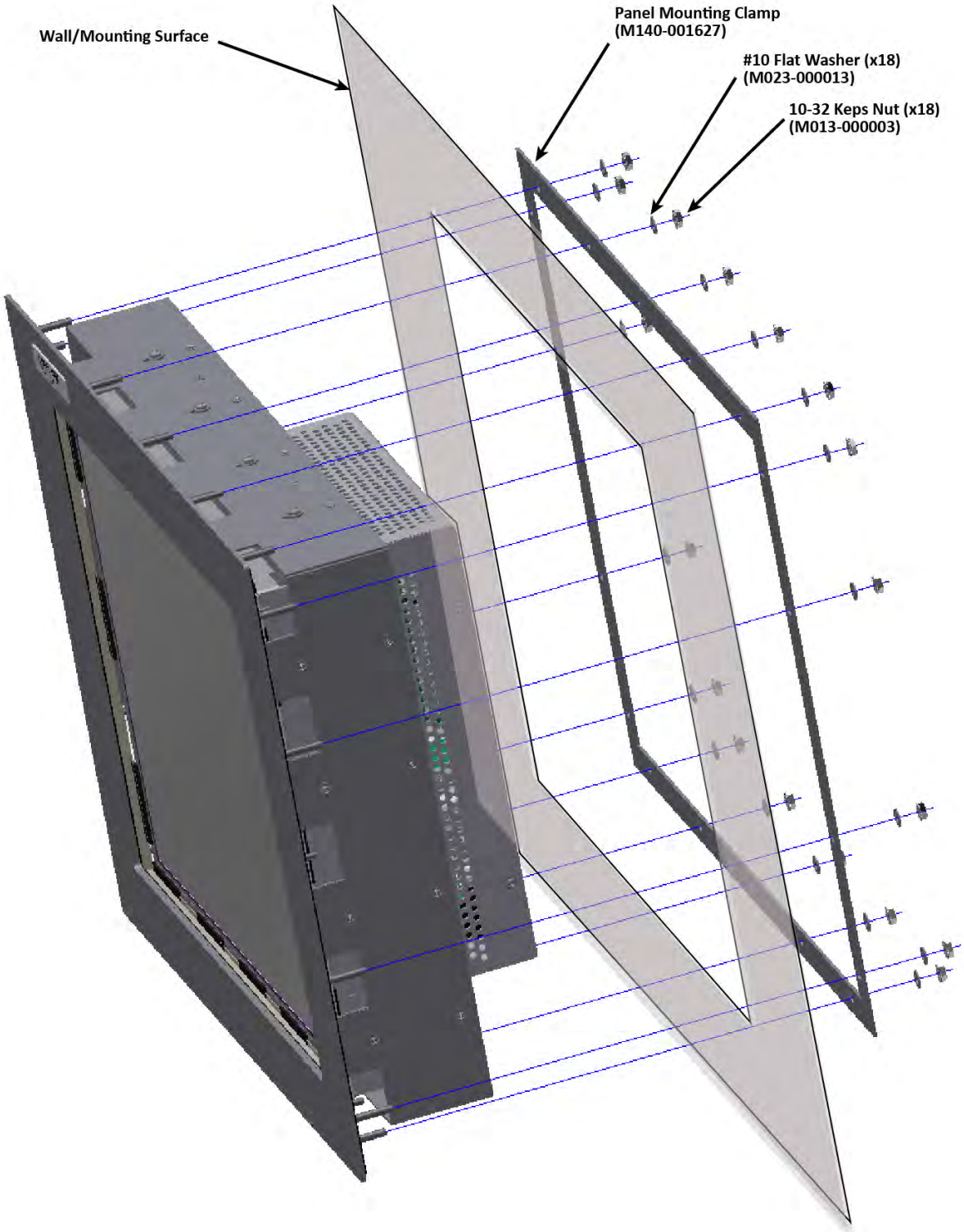


Figure 9 – 7191AA Mounting Hardware

10. Revision History

REVISION	CHANGE DESCRIPTION	DATE	AUTHOR
-	Initial Release	6/16/2017	BM

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