7191AA User Manual

June 2017

Daisy Data Displays, Inc.
2850 Lewisberry Road,
York Haven, PA 17370
Phone: 717.932.9999
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Daisy Data Displays, Inc.
2850 Lewisberry Road
York Haven, PA 17370 USA
Phone: (717) 932-9999
Fax: (717) 932-9000
www.makeitdaisy.com

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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.

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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 environments. 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 recomended 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)](image-url)
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)**

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

**7191AA Display Enclosure (Front)**

<table>
<thead>
<tr>
<th>Component Description</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Display, LCD, 18.1&quot;</td>
<td>P000-000072</td>
</tr>
<tr>
<td>EMI Shield, 15.28x12.15x.063&quot;</td>
<td>M300-000081</td>
</tr>
<tr>
<td>Touchscreen, Resistive, 18.1&quot;</td>
<td>P040-000028</td>
</tr>
</tbody>
</table>

7.2. Unit/Display Cable Assembly Parts List

**7191AA Cable Assemblies**

<table>
<thead>
<tr>
<th>Component Description</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ribbon Cable, DRR10-DB9F, 36&quot;</td>
<td>I100-001242</td>
</tr>
<tr>
<td>Cable Assembly, MOLEX2-2xFASTON, 9&quot;</td>
<td>I100-001258</td>
</tr>
<tr>
<td>Cable Assembly, 3xFASTON-3xSPADE, 12&quot;</td>
<td>I100-001259</td>
</tr>
<tr>
<td>Cable Assembly, AC POWER, MTB3-SPADEx3</td>
<td>I100-001260</td>
</tr>
<tr>
<td>AC Power Cable Assembly</td>
<td>I100-001261</td>
</tr>
<tr>
<td>Video Cable, CN101-HD15</td>
<td>P070-000332</td>
</tr>
<tr>
<td>OSD NEC Cable, CN103-CN103</td>
<td>P070-000331</td>
</tr>
<tr>
<td>Cable, CN201, CN104-PIGTAI, w/ D303-000211 Modification</td>
<td>P070-000327-01</td>
</tr>
<tr>
<td>Cable Adapter, HD15M-HD15M, SLIM</td>
<td>P070-000349</td>
</tr>
</tbody>
</table>
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](image_url)
10. Revision History

<table>
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<th>CHANGE DESCRIPTION</th>
<th>DATE</th>
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<tr>
<td>-</td>
<td>Initial Release</td>
<td>6/16/2017</td>
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