

Instruction Manual

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Software Version: **Higher than 1.08**

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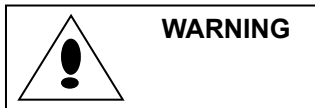
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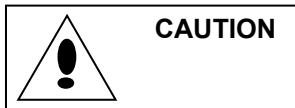
Read this instruction manual thoroughly before installation, operation, maintenance or
Inspection of this product.

Symbols for Safe Operation

In this manual, NOTES FOR SAFE OPERATION is classified as "WARNING" or "CAUTION".



Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury to personnel.



Indicates a potentially hazardous situation which, may result in minor or moderate injury to personnel, and possible damage to equipment if not avoided. It may also be used to alert against unsafe practices.

- ◆ Items described in Caution may also result in a vital accident in some situations. In either case, follow these important notes.

Note for Safe Operation

◆ Installation



- Make sure to keep the install direction.
- Do not throw down and prevent from impact.
- Never use the equipment where it may be exposed to splashes of water, corrosive or flammable gases, or near flammable materials.(Failure to observe this warning may lead to electric shock or fire)
- A sticker is attached to the top of our servo drive to prevent an alien substance getting into drive such as metal chips. Surely remove this sticker after Installation it in a Control Board. Otherwise malfunction may be caused by overheat-temperature of drive.

◆ Wiring

- For the input power supply of Servo drive, surely use AC200~230[V]
- Make sure to ground the ground terminal.
- Never connect the AC main circuit power supply to servo motor.
- Never connect the AC main circuit power supply to output terminals U,V and W.
- Make sure that Power cable(U,V,W) and Encoder cable are separated when connected.
- Disconnect the power wires surely after the input power is off and “7 Segment” Lamp is completely OFF.
- Surely use Twist pair shield cable for pulse command signal (PF+, PF-, PR+, PR-).

◆ Operation

- Before starting operation, check and adjust each menu.
- During operation, do not touch the shaft of motor.
- During operation, do not touch the heat sink.
- Do not connect or disconnect CN1,CN2,SER connectors while power is applied to the circuit.

◆ General Precautions

- Specifications are subject to change for product modifications and improvements. In this case, we issue the manual on updated Version NO.

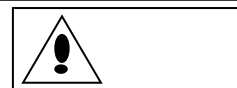
◆ Precaution at First Setup



CAUTION

- Make sure the Power Supply voltage (AC200~230[V]) and wiring before power is applied to the circuit.
- At first power apply, applied the power on Servo-OFF status.
- Verify the model No. of motor and the No. of Encoder pulse before power is applied to the circuit.
- Set the motor ID on menu[PE-201], number of Encoder Pulse on menu [PE-204]
- After finishing the above, set the operation mode of servo drive by linking upper motion controller on the menu [PE-601].
- Wire CN1 if servo drive according to each operation mode referring to “1.2 System Construction”(Refer to “5.5 Example of connecting to upper Controller”)

◆ Maintenance And Inspection



WARNING

- After turning OFF main power supply L1, L2, wait enough time (Until “7 Segment” lamp is turned off), then Proceed the maintenance and inspection. High voltage still remains in the internal condenser.
- Never touch the high-voltage terminals at first power apply.
- Do not repair, inspect, and replace the component except for authorized person.
- The alteration of products is not allowed in any case

Contents

◆ Precaution

Chapter1 Product Configuration and Signal Description

| | | |
|-------|--|-----|
| | 1.1 Product Composition | |
| | 1.1.1 Checking Products..... | 1-2 |
| | 1.1.2 Identifying the parts..... | 1-4 |
| | 1.2 System Composition | |
| 1.2.1 | Summary..... | 1-6 |
| 1.2.2 | Connecting CN1 at Position operation mode..... | 1-7 |
| 1.2.3 | Connecting CN1 at Speed operation mode..... | 1-8 |
| | 1.3 Signal Explanation | 1-9 |

Chapter2 Installation

| | | |
|--|--|-----|
| | 2.1 Servo Motor | |
| | 2.1.1 Operating Environment..... | 2-2 |
| | 2.1.2 Preventing Excessive Impact..... | 2-2 |
| | 2.1.3 Wiring | 2-2 |
| | 2.1.4 Assembling Load System..... | 2-3 |
| | 2.1.5 Cable Installation..... | 2-3 |
| | 2.2 Servo Drive | |
| | 2.2.1 Operating Environment..... | 2-4 |
| | 2.2.2 Installation in a control board (Panel)..... | 2-5 |
| | 2.2.3 Wiring..... | 2-6 |

Chapter3 Wiring

| | |
|--|------|
| 3.1 Internal Block Wiring | 3-2 |
| 3.2 Power board Wiring | |
| 3.2.1 Wiring diagram..... | 3-3 |
| 3.2.2 Power Board Part specification..... | 3-4 |
| 3.3 Timing Diagram | |
| 3.3.1 Timing diagram at power supplied..... | 3-5 |
| 3.3.2 Timing diagram at Alarm occurred..... | 3-6 |
| 3.4 Wiring control Signal | |
| 3.4.1 Contact input signal..... | 3-7 |
| 3.4.2 Contact output signal..... | 3-7 |
| 3.4.3 Analog Monitor I/O signal..... | 3-8 |
| 3.4.4 Pulse input signal..... | 3-8 |
| 3.4.5 Encoder output signal..... | 3-10 |
| 3.5 Incremental Encoder Signal (CN2) Wiring | |
| 3.5.1 15 lines Parallel type Encoder..... | 3-11 |
| 3.5.2 9 lines parallel type Encoder..... | 3-11 |
| 3.6 Communication (Option) Signal Wiring | |
| 3.6.1 PC Communication (For RS232C)..... | 3-12 |
| 3.6.2 Communication (For O/S Download)..... | 3-13 |

Chapter4 Detailed Explanation of Program Menu

| | |
|---------------------------------------|------|
| 4.1 7 Display Segment | 4-2 |
| 4.2 Program Menu Summary | 4-3 |
| 4.3 Display Operation State | |
| 4.3.1 Display State | 4-12 |
| 4.3.2 Display speed | 4-12 |
| 4.3.3 Display position | 4-12 |
| 4.3.4 Display Torque and Load | 4-12 |
| 4.3.5 Display I/O State | 4-13 |
| 4.3.6 Display Software Version | 4-14 |
| 4.4 Setting Menu | |
| 4.4.1 Setting System Variables | 4-15 |

| | |
|--|------|
| 4.4.2 Setting Control Variables | 4-18 |
| 4.4.3 Setting Analog I/O Variables..... | 4-23 |
| 4.4.4 Setting I/O Contact Variables | 4-25 |
| 4.4.5 Setting Speed Operation Variables | 4-29 |
| 4.4.6 Setting Position Operation Variables | 4-30 |

Chapter5 Handling and Operation

5.1 Check Point before Operation

| | |
|---|-----|
| 5.1.1 Check Wiring..... | 5-2 |
| 5.1.2 Check wiring of operating signal (CN1)..... | 5-2 |
| 5.1.3 Check operating Environment..... | 5-2 |
| 5.1.4 Check machinery state..... | 5-2 |
| 5.1.5 Check menu variables..... | 5-2 |

5.2 Major function of Handy loader

| | |
|--|-----|
| 5.2.1 Handling and Operating..... | 5-3 |
| 5.2.2 Display menu at using Hand Loader | 5-5 |
| 5.3 Example of connection to Upper controller..... | 5-7 |

Chapter6 Product Specification

6.1 Servo Motor

| | |
|-------------------------------|-----|
| 6.1.1 Features | 6-2 |
| 6.1.2 External Dimension..... | 6-4 |

6.2 Servo Drive

| | |
|-------------------------------|-----|
| 6.2.1 Features | 6-6 |
| 6.2.2 External Dimension..... | 6-7 |

| | |
|--------------------------------|-----|
| 6.3 Option and peripheral..... | 6-8 |
|--------------------------------|-----|

Chapter7 Maintenance and Inspection

7.1 Maintenance and Inspection

7.1.1 Caution 7-2

7.1.2 Inspection Items..... 7-3

7.1.3 Period of Replacing Parts..... 7-4

7.2 Fault Diagnosis and Corrective Actions

7.2.1 Servo Motor 7-5

7.2.2 Servo Drive 7-6

[Appendix]

Appendix 1 Summary Program Menu..... Appendix1-1

Appendix 2 Test Operation Appendix2-1

◆ **Guarantee Letter**

◆ **Revision History**