

ENGINEER NS-04

ENGINEER NS-04 120 mm Precision Mini Nippers Side Cutting Pliers Instruction Manual

Model: NS-04 | Size: 120 mm

1. INTRODUCTION

Thank you for choosing the ENGINEER NS-04 Precision Mini Nippers. These professional-grade side cutting pliers are designed for precise cutting tasks, particularly in electronics, PCB work, and hobby applications. Featuring hardened carbon steel jaws and ESD-safe comfort grips, the NS-04 offers reliable performance and user comfort. This manual provides essential information for safe operation, maintenance, and optimal use of your tool.



Image 1: The ENGINEER NS-04 Precision Mini Nippers, showcasing their compact design and ESD-safe grips.

2. SAFETY INFORMATION

Always observe the following safety precautions when using the ENGINEER NS-04 nippers to prevent injury and tool damage:

- **Wear Eye Protection:** Always wear safety glasses or goggles to protect your eyes from flying debris during cutting operations.
- **Intended Use:** These nippers are designed for cutting soft materials such as copper wire, electronic component leads, and plastic. Do not use them for cutting hard materials like steel wire, piano wire, or screws, as this can damage the cutting edges.
- **Proper Grip:** Maintain a firm and secure grip on the handles during use.
- **Keep Fingers Clear:** Ensure fingers and other body parts are clear of the cutting jaws.
- **Storage:** Store the nippers in a dry, safe place, out of reach of children.
- **Inspection:** Before each use, inspect the nippers for any signs of damage, such as chipped jaws or loose handles. Do not use damaged tools.

3. PRODUCT FEATURES

The ENGINEER NS-04 nippers incorporate several design elements for precision and durability:

- **Compact Size:** Ideal for precise work in confined spaces, such as PCB assembly, electronics repair, and intricate craft projects.
- **Flush Cutting Edges:** Specially designed for clean, flush cuts on electronic components, copper wire, and soft lead wires, minimizing protrusions.
- **Hardened Carbon Steel Jaws:** Constructed from heat-treated carbon steel for exceptional cutting performance and extended durability.
- **Angle Opening Adjuster:** A mechanism that allows adjustment of the maximum jaw opening when the grips are released. This feature enhances productivity and reduces hand fatigue during repetitive cutting tasks.
- **ESD Safe Comfort Grips:** Handles made from oil-resistant thermoplastic elastomer, providing a comfortable and secure grip while offering electrostatic discharge (ESD) protection.

Jaw opening adjustment setting



Comfort grips

Image 2: Close-up view of the NS-04 nippers highlighting the jaw opening adjustment setting and the ergonomic comfort grips.

4. SETUP AND INITIAL INSPECTION

The ENGINEER NS-04 nippers are ready for use directly out of the packaging. No assembly is required.

1. **Unpack:** Carefully remove the nippers from their packaging.
2. **Visual Inspection:** Examine the nippers for any visible damage that may have occurred during shipping. Check the cutting edges for chips or misalignment.
3. **Functionality Check:** Open and close the handles a few times to ensure smooth operation and proper spring action. Verify that the jaw opening adjuster functions correctly.

5. OPERATING INSTRUCTIONS

Follow these steps for effective and safe use of your nippers:

1. **Identify Material:** Ensure the material to be cut is within the nippers' capacity (soft copper wire, plastic, component leads). Avoid hard materials.
2. **Positioning:** Place the material as deep as possible into the jaws for optimal leverage and a clean cut. For flush cuts, position the flat side of the nipper jaws against the surface from which you are cutting.
3. **Cutting Action:** Apply steady, firm pressure to the handles until the cut is complete. Avoid twisting or prying with the nippers.
4. **Jaw Opening Adjustment:** To adjust the maximum opening of the jaws, locate the small screw mechanism between the handles near the pivot point (refer to Image 2). Loosen the screw slightly, set the desired maximum opening, and then tighten the screw to secure the setting. This is useful for repetitive tasks to reduce hand movement.

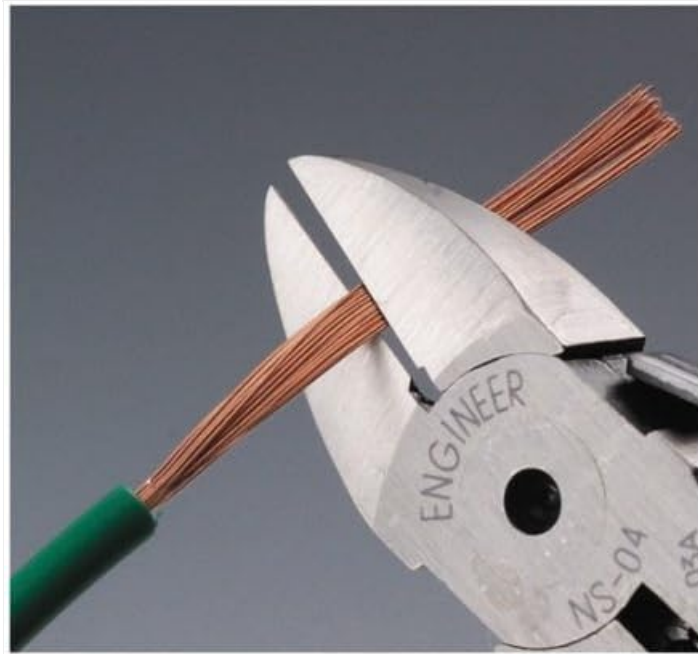


Image 3: The NS-04 nippers demonstrating a clean cut on a copper wire.

6. MAINTENANCE AND CARE

Proper maintenance ensures the longevity and performance of your nippers:

- **Cleaning:** After each use, wipe the nippers clean with a dry, soft cloth to remove any debris or residue.
- **Lubrication:** Periodically apply a small drop of light machine oil to the pivot point to maintain smooth operation. Wipe off any excess oil.
- **Storage:** Store the nippers in a protective pouch or tool tray to prevent damage to the cutting edges. Keep them in a dry environment to prevent rust.
- **Avoid Dropping:** Dropping the nippers, especially on hard surfaces, can damage the precision-ground cutting edges.

7. TROUBLESHOOTING

If you encounter issues with your nippers, consider the following:

- **Stiff Operation:** If the nippers feel stiff, apply a small amount of light machine oil to the pivot point and work the handles to distribute the lubricant.
- **Poor Cutting Performance:** Ensure you are cutting appropriate materials. If the cutting edges appear dull or damaged, the nippers may require professional sharpening or replacement. Do not attempt to sharpen the precision edges yourself unless you have specialized tools and expertise.
- **Jaws Not Closing Completely:** Check for any debris lodged between the jaws or at the pivot point. Clean thoroughly. If the issue persists, the tool may be damaged.

8. SPECIFICATIONS

Feature	Specification
Model Number	NS-04

Feature	Specification
Overall Length	120 mm (4.72 inches)
Material	Hardened Carbon Steel (Jaws), Alloy Steel (Handle)
Handle Material	Thermoplastic Elastomer (ESD Safe)
Item Weight	83 Grams (2.93 ounces)
Product Dimensions	1.97"L x 4.72"W (approximate)
Cutting Width	0.26 Centimeters
Grip Type	Ergonomic
Compliance	RoHS

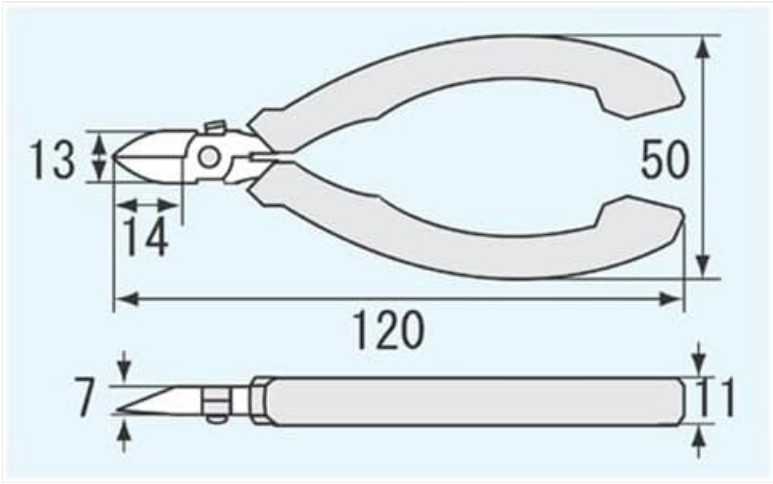






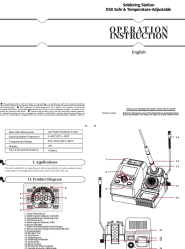

Image 4: Technical diagram illustrating the dimensions of the ENGINEER NS-04 nippers.

9. WARRANTY AND SUPPORT

ENGINEER products are manufactured to high standards and are designed for durability. For specific warranty information, please refer to the documentation included with your purchase or visit the official ENGINEER website. If you require technical assistance or have questions regarding your NS-04 nippers, please contact ENGINEER customer support through their official channels. For further information and product details, you may visit the [ENGINEER Store on Amazon](#).

Related Documents - NS-04

	<p>Портативный цифровой осциллограф ENGINEER SCO 2 10M: Инструкция по эксплуатации</p> <p>Полное руководство пользователя для портативного цифрового осциллографа ENGINEER SCO 2 10M. Описание интерфейсов, клавиш, функций, настроек и процесса обновления прошивки.</p>
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	<p>ENGINEER SCO 2 10M Oscilloscope User Manual and Features</p> <p>A user manual for the ENGINEER SCO 2 10M digital oscilloscope, detailing its interfaces, button functions, various measurement modes (oscilloscope, current waveform, Lissajous), safety precautions, and firmware update procedures.</p>
	<p>ENGINEER ChargeWave Handheld Oscilloscope User Guide</p> <p>A comprehensive guide to the ENGINEER ChargeWave handheld digital oscilloscope, detailing its interface, button functions, waveform analysis, measurement modes, firmware upgrades, and troubleshooting tips.</p>
	<p>Black & Decker Double Insulated Jig Saws: Safety, Operation, and Maintenance Guide</p> <p>Comprehensive guide for Black & Decker double insulated jig saws, covering safety rules, motor and double-insulation features, extension cord usage, lubrication, blade attachment, speed control, bevel adjustment, cutting techniques for wood and metal, cleaning, maintenance, and warranty information.</p>
	<p>YIHUA 982 ESD Safe Soldering Station Operation Manual</p> <p>Comprehensive operation instructions, maintenance guide, and troubleshooting for the YIHUA 982 ESD Safe Temperature-Adjustable Soldering Station. Learn about its features, calibration, and usage.</p>
	<p>Genwec Neo Hand Dryer: Installation, Operation, and Maintenance Manual</p> <p>Comprehensive guide for the Genwec Neo hand dryer, covering safety instructions, technical specifications, installation steps, usage, maintenance, and cleaning. Features efficient drying with HEPA filtration.</p>

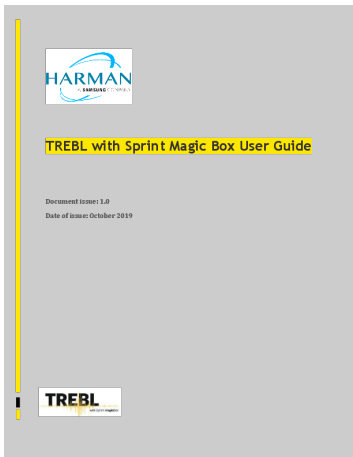


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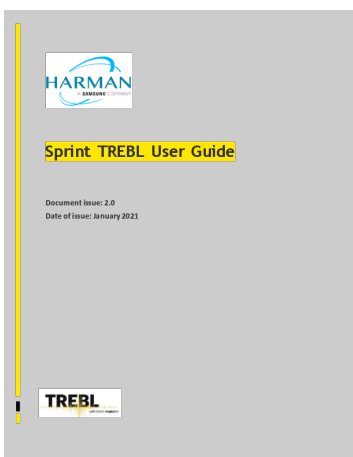


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TREBL with Sprint Magic Box User Guide Document issue: 1.0 Date of issue: October 2019 Copyright ... Short PDCP Congestion Control Access Class Barring NS Signaling NS Signaling NS-01 NS Signaling **NS-04** Event Type A1 Events A2 Events A3 Events A4 Events A5 Events Internet Protocol IP IPv4 ...

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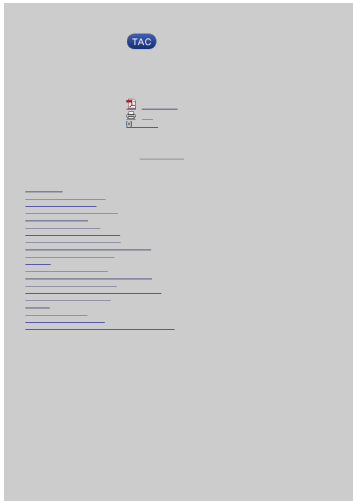


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TREBL_User_Guide_v2 0 Sarabjeet Wadalia@harman ;Gurbinder Singh4@harman TREBL User< b> Guide v2 sprint < Sprint Get to know your Document Issue 1 Page 11 of 101 Physical design Figure 1: HOME 4G * model Kit includes power supply and Installation Manual< Frequency Band support—B41 Low (2500MHz-2570MHz) TDD 41—B41 High (2620MHz-2690MHz) TX Power • B41: 23dBm per chain (Conducted) TREBL-User-Guide-2021 sprint content dam us en device-assets trebl magic-box documents User Manual This guide describes how use the features with Magic Box hereafter referred as It contains following topic: Revision information

Sprint TREBL User Guide Document issue: 2.0 Date of issue: January 2021 Copyright 2020 Harman Con ... oLTE: Emergency Call Support VoLTE: Short PDCP Access Class Barring NS Signaling NS-01 NS Signaling **NS-04** A1 Events A2 Events A3 Events A4 Events A5 Events IPv4 Support IPv6 Support Document Issue 1....

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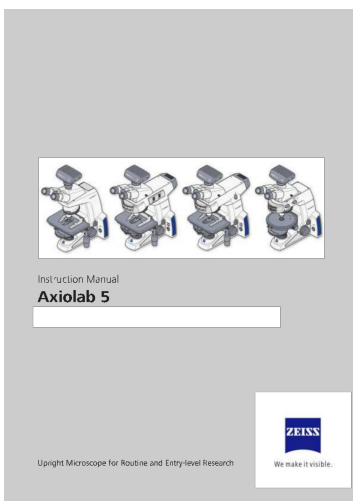


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Knowledge of this manual is essential for the operation of the instrument. Please familiarize yourself with the contents of this manual and pay special attention to instructions concerning safe operation of the instrument. The specifications are subject to change; the manual is not covered by an up...

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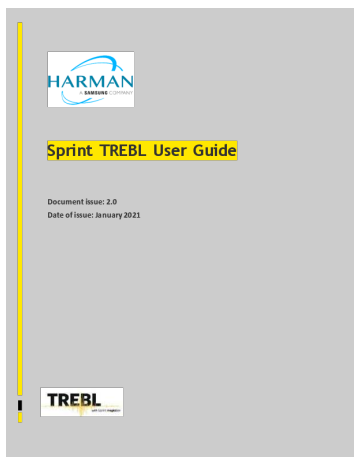


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A	Boilerplate update, part of 5 year review. ksr	06-11-08	Raymond Monnin	

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REV	A	06-11-08	Boilerplate update, part of 5 year review. ksr	Raymond Monnin

REV STATUS OF SHEETS

REV	DATE	DESCRIPTION	APPROVED
REV	06-11-08	Boilerplate update, part of 5 year review. ksr	Raymond Monnin

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STANDARD MICROCIRCUIT DRAWING

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APPROVED BY: Michael A. Frye

DATE: 06-09-07

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SIZE: A

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[\[pdf\]](#) User Manual Specifications Declaration of Conformity

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[\[pdf\]](#) User Manual Installation Guide Troubleshooting Guide Documentation

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MODEL NS 11-04/34Q ADD-IN MEMORY SYSTEM SERVICE MANUAL -----
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F	Change to vendor similar part number for vendor CAGE 18324. 91-10-30 Changes to table I parameters tEA and COUT. Add vendor CAGE 18324 to device types 03 and 04 as a source of supply. Add new device design for device 04 for vendor CAGE 07...	91-10-30	M. A. Frye	
D	Changes to table I parameters tEA and COUT. Add vendor CAGE 18324 to device types 03 and 04 as a source of supply. Add new device design for device 04 for vendor CAGE 07...	91-10-30	M. A. Frye	
J	Updated table I parameters tEA and COUT. Add vendor CAGE 18324 to device types 03 and 04 as a source of supply. Add new device design for device 04 for vendor CAGE 07...	97-05-29	Raymond Monnin	
A	Boilerplate update, part of 5 year review. ksr	06-11-08	Raymond Monnin	

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VOLUME 19 AUGUST 2002 NUMBER 8 HARRIS AUCTION E.H. Scott Allwave 23 2,700 A.R.C. - THE NATIONAL PUBLICATION FOR BUYERS AND SELLERS OF OLD RADIOS AND RELATED ITEMS - PUBLISHED MONTHLY RA M O CRA ZE John Sakas P.O. Box 362 Walden NY 12586 Phone 845 778-4064 - Cell 201 410-0025 visit our we...

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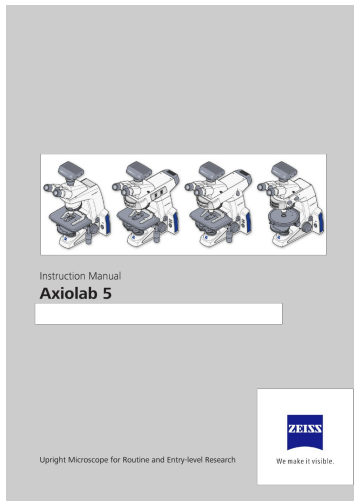


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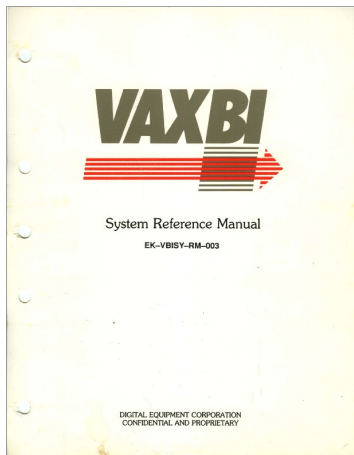


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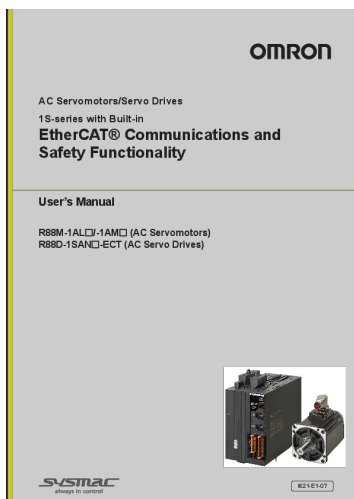


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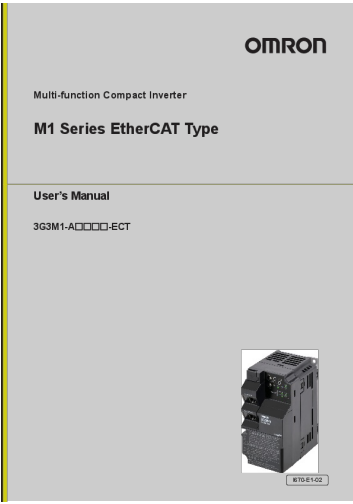
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Functionality User s Manual I621 E1 07 0923 OMRON i621 ac servomotors servo drives users manual en assets omron eu latest |||

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REVISIONS												
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H	Add device type 41. Make corrections to case outline N, dimension b. Add vendor CAGE 65786 as source of supply for device type 41. Update boilerplate. Editorial changes throughout. See								07-03-25	Raymond Monnin		
J	Add device types 42, 43, 44, 45, and 46. Editorial changes to pages 1, 3, 7, 15. Update boilerplate. See								09-03-03	Raymond Monnin		
K	Add device types to accommodate additional hardware devices. Add device type 47 to drawing. See								00-03-01	Raymond Monnin		
L	Correct and revise Figure 1 to show correct numbering of terminals. Correct Figure 2 terminal connections. Correct the case outline in Figure 3 to show the proper dimension of case ECT. Add note to Case outline in Figure 1. Update the boilerplate package as an alternative state to the size-based package. Update boilerplate. Editorial changes throughout. See								05-10-09	Raymond Monnin		
M	Changed the minimum value for the C-connection in package 3 from 0.005 to 0.002 per minimum feature 10. Editorial changes throughout. See								02-10-19	Raymond Monnin		
N	Add device type 48 to drawing. See								03-08-12	Raymond Monnin		
P	Corrected typographical errors in Figure 4 (Sheet 1). See								05-08-16	Raymond Monnin		
R	Vendor requested change in accordance in Table 1 for device 39 and 48 from 5.0 to 6.0. See								05-03-13	Raymond Monnin		
REV	R	R	R	R	R	R	R	R	R	R	R	R
SHEET	39	39	39	39	39	39	39	39	39	39	39	39
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REVISIONS LTR DESCRIPTION DATE YR-MO-DA APPROVED H Add device type
41. Make corrections to case outline N, dimension b. 97-03-26 Add vendor CAGE
65786 as source of supply for device type 41. Update boilerplate. Editorial changes
throughout. Raymond Monnin J Add device types 42, 43, 44, ...
lang:en score:10 filesize: 440.75 K page_count: 91 document date: 2006-03-01

REVISIONS												
LTR	DESCRIPTION								DATE (YR-MO-DA)	APPROVED		
H	Add device type 41. Make corrections to case outline N, dimension b. Add vendor CAGE 65786 as source of supply for device type 41. Update boilerplate. Editorial changes throughout. See								07-03-25	Raymond Monnin		
J	Add device types 42, 43, 44, 45, and 46. Editorial changes to pages 1, 3, 7, 15. Update boilerplate. See								09-03-03	Raymond Monnin		
K	Add device types to accommodate additional hardware devices. Add device type 47 to drawing. See								00-03-01	Raymond Monnin		
L	Correct and revise Figure 1 to show correct numbering of terminals. Correct Figure 2 terminal connections. Correct the case outline in Figure 3 to show the proper dimension of case ECT. Add note to Case outline in Figure 1. Update the boilerplate package as an alternative state to the size-based package. Update boilerplate. Editorial changes throughout. See								05-10-09	Raymond Monnin		
M	Changed the minimum value for the C-connection in package 3 from 0.005 to 0.002 per minimum feature 10. Editorial changes throughout. See								02-10-19	Raymond Monnin		
N	Add device type 48 to drawing. See								03-08-12	Raymond Monnin		
P	Corrected typographical errors in Figure 4 (Sheet 1). See								05-08-16	Raymond Monnin		
R	Vendor requested change in accordance in Table 1 for device 39 and 48 from 5.0 to 6.0. See								05-03-13	Raymond Monnin		
REV	R	R	R	R	R	R	R	R	R	R	R	R
SHEET	39	39	39	39	39	39	39	39	39	39	39	39
REV	R	R	R	R	R	R	R	R	R	R	R	R
SHEET	15	16	17	18	19	20	21	22	23	24	25	26
REV STATUS	REV	R	R	R	R	R	R	R	R	R	R	R
OF SHEETS	SHEET	1	2	3	4	5	6	7	8	9	10	11
PASC NA												
DEFENSE SUPPLY CENTER COLUMBUS												
COLUMBUS, OHIO 43216-3990												
http://www.dscs.dau.mil												
APPROVED BY: Raymond Monnin												
APPROVED BY: Michael A. Fyne												
DRAWING APPROVAL DATE: 05-03-13												
MICROCIRCUIT, MEMORY, DIGITAL, CMOS, 128K X 8 STATIC RANDOM ACCESS MEMORY (SRAM), LOW POWER, MONOLITHIC SILICON												
REVISION LEVEL: R												
SIZE: 5962-89598												
SHEET: 1 OF 32												
DDC FORM 3030 APR 82												
5962-89598-06												

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Microsoft Word 89598R doc 89598 c001221 Mercury Systems siliconexpert s 2016 10 19 2 52 5 419
mecs manual |||
REVISIONS LTR DESCRIPTION DATE YR-MO-DA APPROVED H Add device type
41. Make corrections to case outline N, dimension b. 97-03-26 Add vendor CAGE
65786 as source of supply for device type 41. Update boilerplate. Editorial changes
throughout. Raymond Monnin J Add device types 42, 43, 44, ...
lang:en score:10 filesize: 460.31 K page_count: 91 document date: 2006-03-01

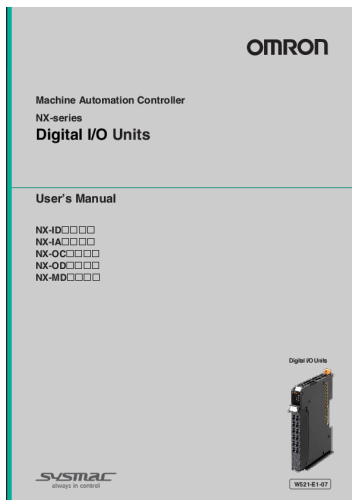
General Information	1
Data Transmission and Control Circuits	2
Display Drivers	3
Peripheral Drivers/Power Actuators	4
Mechanical Data	5
Explanation of Logic Symbols	6

27

[\[pdf\]](#) Datasheet

TI Interface 1991 02 Data Transmission And Control Circuits whtech ftp datasheets and manuals Datasheets |||

General Information 1 EOM Data Transmission and Control Circuits Display Drivers 3 Peripheral Drivers/Power Actuators 4 Mechanical Data Explanation of Logic Symbols 2-1 Meets EIA Standard RS-422-A Operates From a Single 5-V Supply TTL Compatible Complementary Outputs High Output Impedanc...
lang:en score:10 filesize: 21.95 M page_count: 975 document date: 2010-02-03

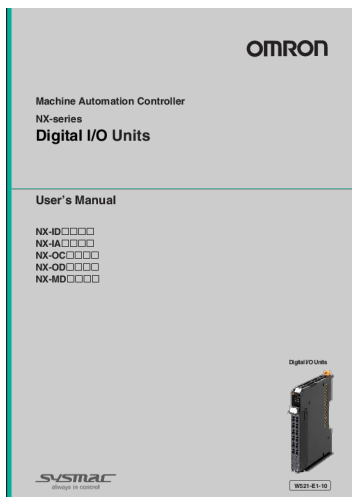


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NX series Digital I O Unit User s Manual W521 E1 07 0617 OMRON This manual contains information that is necessary to use the Please read this and make sure you understand functionality w521 nx digital i o units users en assets omron eu

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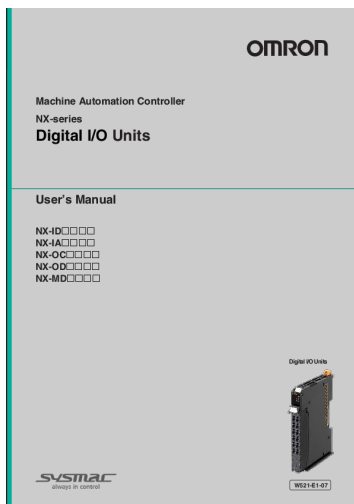


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NX series Digital I O Unit User s Manual W521 E1 10 1018 OMRON This manual contains information that is necessary to use the user refers NY IPC Machine Controller Industrial w521 nx digital i o units users en assets omron eu v6

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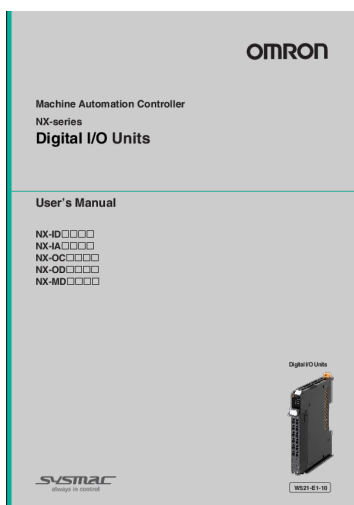


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NX series Digital I/O Unit User's Manual W521-E1-07 0617 OMRON This manual contains information that is necessary to use the The table below provides relevant manuals for Units w521 nx digital i/o units users en assets omron eu v3 this and make sure you understand functionality performance of before attempt it in a control system Keep safe place where will be available reference during operation intended following personnel who must also have knowledge electrical

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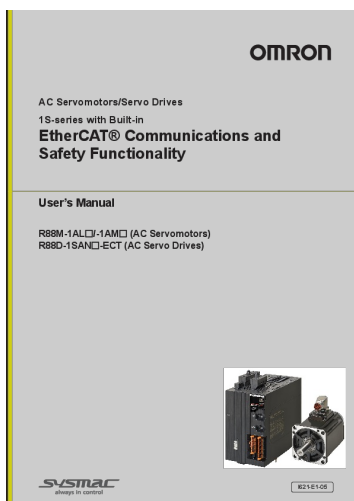
lang:en score:10 filesize: 8.77 M page_count: 424 document date: 2017-10-24



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NX series Digital I/O Unit User's Manual W521-E1-10 OMRON Units Introduction Thank you for purchasing an This manual contains information that is necessary to use the Please read this and make sure understand functionality performance of smhttp ssl 88349 nexcesscdn net eData edata omron au 80 Machine Automation Controller NX-series Digital I/O Units User's Manual NX-ID NX-IA NX-OC NX-OD NX-MD Digital I/O Units W521-E1-10 NOTE All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form, or by any means, mechanical, elec...

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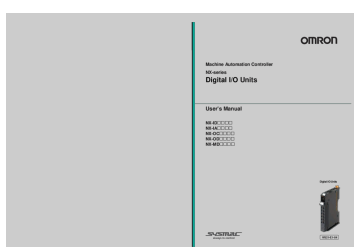


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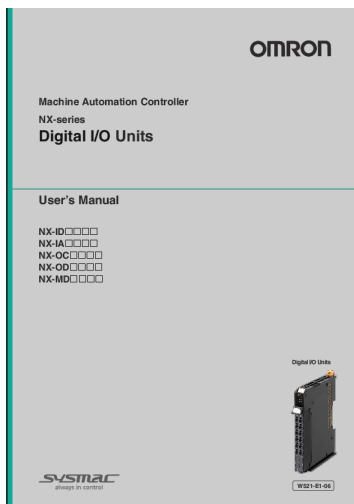
lang:en score:10 filesize: 23.79 M page_count: 1034 document date: 2022-09-30



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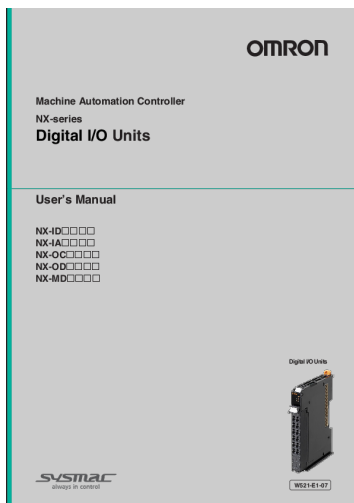


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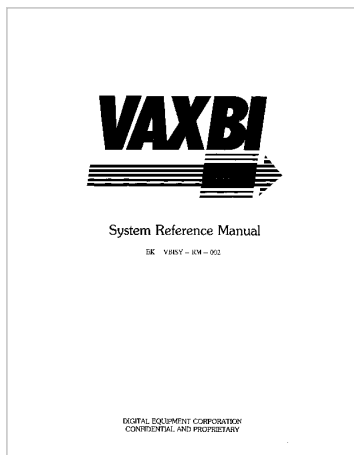
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[OMRON NX-series Digital I/O Units User's Manual](#)

Comprehensive user's manual for OMRON NX-series Digital I/O Units, detailing features, specifications, installation, wiring, and troubleshooting for industrial machine automation.

lang:en score:9 filesize: 8.6 M page_count: 424 document date: 2017-06-14



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EK VBISY RM 002 VAXBI System Reference Manual Jul87 doc layout org science 0 Computer Science History old hardware dec vax vaxbi

System Reference Manual EK - VBISY - RM - 002 DIGITAL EQUIPMENT CORPORATION CONFIDENTIAL AND PROPRIETARY VAXBI System Reference Manual EK-VBISY-RM-002 digital equipment corporation maynard, massachusetts First Printing, Apr11985 Updated, June 1985 Updated, February 1986 Updated, July 1987 Di...

lang:en score:9 filesize: 22.31 M page_count: 552 document date: 2014-08-06