

Bringing Technology to Life with the Sysmac Automation Platform

Machine Interface NA Series



- » Fully integrated machine control system
- » Powerful Sysmac Studio software
- » Customizable functions

Integrated HMI within the Sysmac Platform

An HMI that is expressive, intuitive, and easy to implement makes industrial machines more attractive and competitive. The Omron Sysmac NA Series HMI enables faster, more efficient control and monitoring - and a more natural relationship between operator and machine. The design has been based on real world applications and customer requirements, a future-proofed, scalable platform that will evolve with their ever-changing needs, allowing real time reaction to events. As part of the system family, the NA Series is fully aware of the total machine.

- Beautiful graphics with wide-screen high resolution displays
- Intuitive development environment integrated within Sysmac Studio
- Future-proof and flexible architecture using VB.NET
- Improved machine troubleshooting with media and video





G5 servo system



FH Vision System



NX I/O
NX Safety



NJ Machine Automation Controller

Integrating your world

Sysmac Studio software is the centerpiece of the Sysmac Platform, bringing together all areas of automation including: logic, motion, vision, safety, robotics, enterprise, and now visualization. The NA series machine interface gives you direct access into the one integrated project.

One Tag Database

- Share NJ Controller Variables (Tags) in the machine interface application using “Intelli sense”



One Project

- Program the entire machine as one
- Save to a single file
- Complete machine revision control
- Common environment work-flow

Safe and Secure

- Configure individual users with multiple access levels

Intuitive Environment

- Floating and docking windows
- Object centric properties, animations, events and actions
- Page Editor for object hierarchy
- Rotate, resize, and align

Flexible Customization

- VB.NET scripting for advanced function
- Intelligent Application Gadget (IAG) Libraries for code reuse

Complete System Simulation

- Integrated simulation of logic, motion, and visualization
- No hardware required for development

Speed and Efficiency

- Structured programming
- Visual network configuration
- Integrated vision setup
- Online Troubleshooting



Insight & security maximized ...

The NA series machine interface is the window into the fully integrated Sysmac Platform machine control system, providing operators with critical information. To protect this information, the NA series has full security and user authentication features that keep valuable assets secure at all times.

- Multiple-access level security and authentication
- Troubleshooting tools and history log
- Tune and adjust parameters without stopping the machine
- Quick loading of new data sets into the NJ Controller
- Data sets can be saved to/from the SD card

Increased Security

The NA Series uses multi-tiered access restriction and user specific password protection to ensure authorized interaction with the machine.



Protecting Your Assets

- Password protection on the entire Sysmac Platform system project, including Controls and Safety.
- Data transfer can be selectively disabled to protect against overwrite or theft.



... downtime minimized



Multimedia Display

Present machine system data clearly and effectively using rich media, including PDF, video, and other user files like Microsoft® Word and Excel.



Movie Guidance

Assist Operators with troubleshooting and maintenance by displaying instructional or corrective procedures in video.



Digital Documentation

Embed PDF documents in the interface for additional user reference.

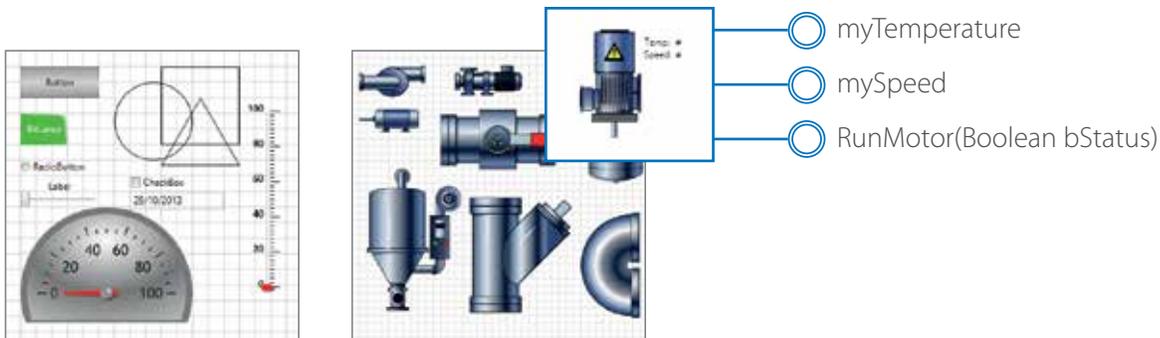
Simple, but Flexible!

The NA Series gives users the ability to design custom IAGs (Intelligent Application Gadgets which encapsulate user or machine functions.). IAGs simplify and accelerate the development process similar to control Function Blocks, enhancing reuse. From simple graphics to complex objects, users can build collections to be shared between multiple projects.

Step 1: Machine Parts and Visuals

Using standard controls, or graphics from the machine parts collection, design a custom IAG. Add interface properties and methods to bring the object to life.

1



```
'IAG Code behind - Add local subroutines for the IAG.
Public Function RunMotor(bStatus As Boolean) As Double
    'start motor at default speed
    mySpeed = 50
    'return current speed
    RunMotor = 50
End Function

Public Function IncreaseSpeed(nIncrement As Integer) As Double
    'Increase speed by increment if < 1000
    If mySpeed + nIncrement < 1000 Then
        mySpeed = mySpeed + nIncrement
    Else
        'otherwise set to top speed
        mySpeed = 1000
    End If
    'Return new speed
    IncreaseSpeed = mySpeed
End Function
```

Step 2: Extensible with Visual Basic

In addition to graphic IAGs, it is also possible to embed code within an IAG. The code can extend the functionality of the gadget such as providing special device communication. Open standard VB.NET language minimizes learning time and allows use of online or external reference material.

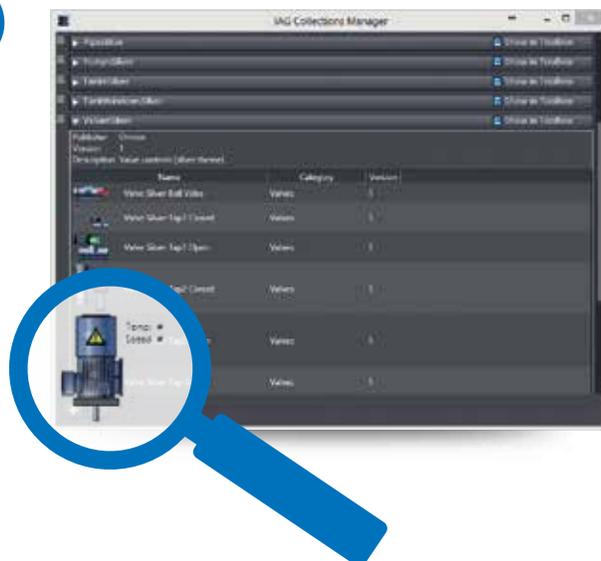
2



3

Step 3: Publish and Share

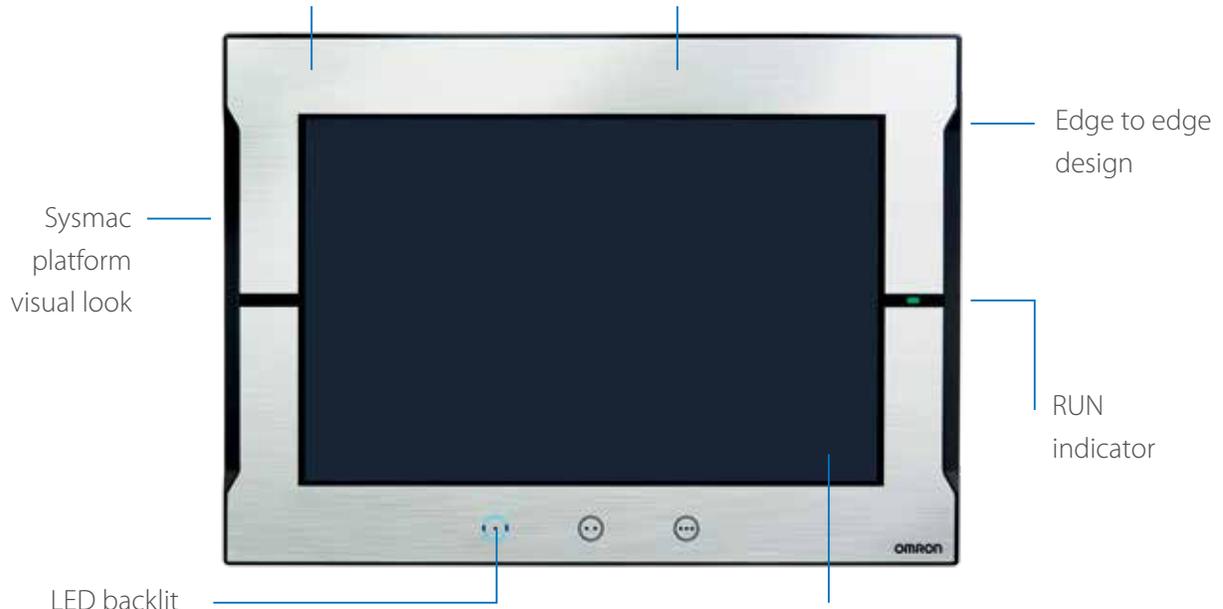
After the IAG is built and tested (using simulation) it can be published and the collection file distributed to be used again and again.



A range of options that covers every need

Wide screen displays: 7, 9, 12, 15 inch

Black or silver bezel



Sysmac platform visual look

Edge to edge design

RUN indicator

LED backlit function keys

Resistive touch screen ...ideal for environments where operators wear gloves and water proofing is needed



1 USB slave (Tool port)

2 2x USB

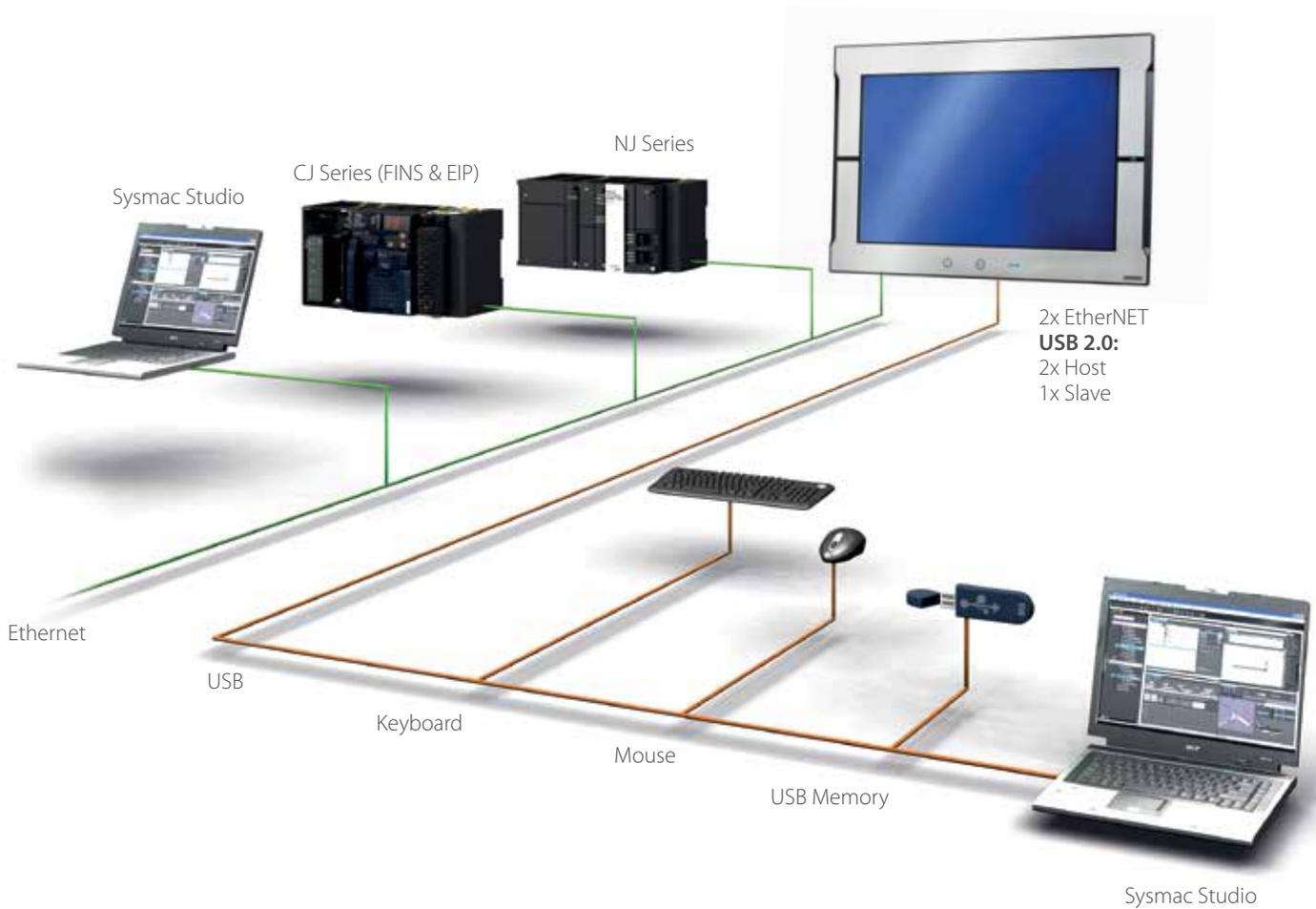
3 1 Serial*

4 2 Ethernet ports, one for factory one for office network

5 SD Card slot

6 24V DC

* NA system version 1.00 supports the serial port using VB.NET code.



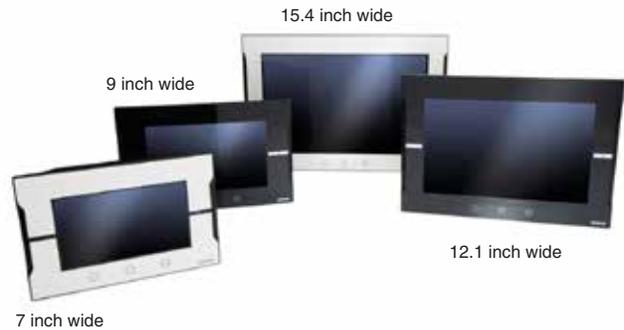
- High speed communications network
- Broad choice of connection possibilities
- Pass-through communication to the NJ Series controller
- Direct Ethernet connectivity to Sysmac Studio

Programmable Terminal NA Series

Bringing technology to life

The NA-series Programmable Terminal allows vibrant visualization of machine data in industrial applications, enhancing usability with multi-media.

The NA Series, together with the NJ Series Machine Automation Controller and the Automation Software Sysmac Studio, allows you to simply and flexibly create sophisticated user interfaces to suit your machines.

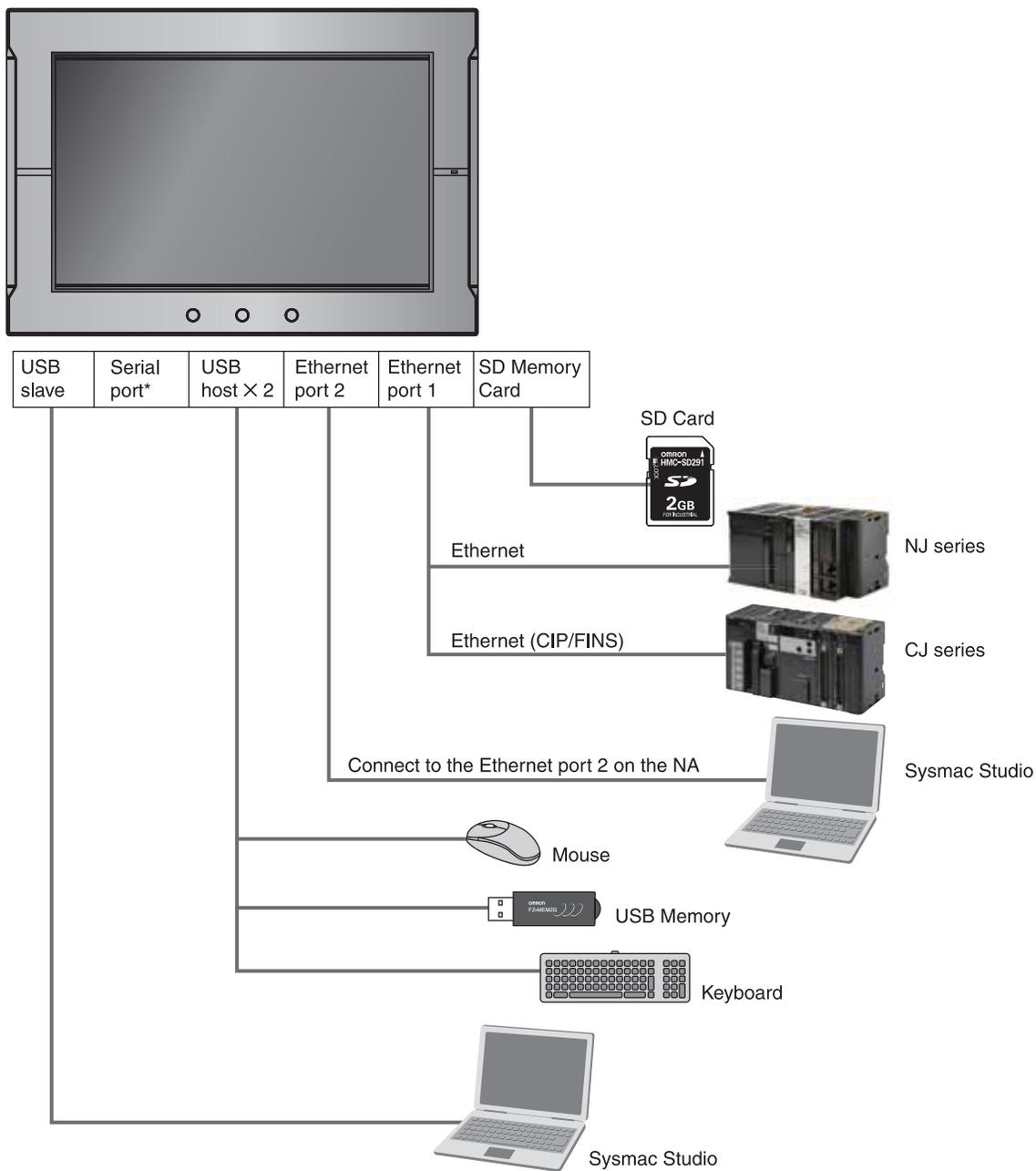


Features

- Widescreen in all models: 7, 9, 12, and 15 inches
- More than 16 million color display for all models and 1280 x 800 high resolution display for the 12 and 15-inch models
- Multimedia including video and PDF
- 2 Ethernet ports capable of simultaneous access from both the control device and maintenance segments by separating the segments
- Sysmac Studio providing an Integrated Development Environment
 - NJ Global Variables are exposed to the NA without CIP publishing. Test the complete system via the integrated Simulator
- Many security features including operation authority settings and execution restrictions with IDs
- Microsoft Visual Basic for versatile, flexible and advanced programming

Sysmac is a trademark or registered trademark of OMRON Corporation in Japan and other countries for OMRON factory automation products. Windows, Visual Basic, Word, Excel are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. EtherCAT® is a registered trademark and patented technology, licensed by Beckhoff Automation GmbH, Germany. EtherNet/IP™ is the trademarks of ODVA. Other company names in this document are the trademarks or registered trademarks of their respective companies. The product photographs and figures that are used in this catalog may vary somewhat from the actual products. Microsoft product screen shot(s) reprinted with permission from Microsoft Corporation.

System configuration



* NA system version 1.00 supports the serial port using VB.NET code.

NA Series

Ordering Information

NA

| Product name | Specifications | Model |
|--------------|--|-------------|
| NA5-15W | 15.4 inch wide screen, TFT LCD, 16,770,000 colors (24 bit full color), 1280 × 800 dots, Bezel color : Silver | NA5-15W101S |
| | 15.4 inch wide screen, TFT LCD, 16,770,000 colors (24 bit full color), 1280 × 800 dots, Bezel color : Black | NA5-15W101B |
| NA5-12W | 12.1 inch wide screen, TFT LCD, 16,770,000 colors (24 bit full color), 1280 × 800 dots, Bezel color : Silver | NA5-12W101S |
| | 12.1 inch wide screen, TFT LCD, 16,770,000 colors (24 bit full color), 1280 × 800 dots, Bezel color : Black | NA5-12W101B |
| NA5-9W | 9 inch wide screen, TFT LCD, 16,770,000 colors (24 bit full color), 800 × 480 dots, Bezel color : Silver | NA5-9W001S |
| | 9 inch wide screen, TFT LCD, 16,770,000 colors (24 bit full color), 800 × 480 dots, Bezel color : Black | NA5-9W001B |
| NA5-7W | 7 inch wide screen, TFT LCD, 16,770,000 colors (24 bit full color), 800 × 480 dots, Bezel color : Silver | NA5-7W001S |
| | 7 inch wide screen, TFT LCD, 16,770,000 colors (24 bit full color), 800 × 480 dots, Bezel color : Black | NA5-7W001B |

NEMA 4X Brackets

| Product name | Specifications | Model |
|-----------------------------|---|-------------|
| NEMA 4X Bracket for NA5-15W | Required accessory bracket for NEMA 4X applications | NA-15WATW01 |
| NEMA 4X Bracket for NA5-12W | Required accessory bracket for NEMA 4X applications | NA-12WATW01 |
| NEMA 4X Bracket for NA5-9W | Required accessory bracket for NEMA 4X applications | NA-9WATW01 |
| NEMA 4X Bracket for NA5-7W | Required accessory bracket for NEMA 4X applications | NA-7WATW01 |

Options

| Product name | Specifications | Model |
|------------------------|---|------------|
| SD memory card | 2 GB | HMC-SD291 |
| | 4 GB | HMC-SD491 |
| USB Memory | 2 GB | FZ-MEM2G |
| | 8 GB | FZ-MEM8G |
| Replacement Battery | Battery life: 5 years (at 25°C). This Battery is provided as an accessory. | CJ1W-BAT01 |
| Anti-reflection Sheets | For the NA5-15W. Attach a Sheet to the screen to protect against diffused reflections and dirt. The entire Sheet is colorless and transparent. Five Sheets are provided in one set. | NA-15KBA04 |
| | For the NA5-12W. Attach a Sheet to the screen to protect against diffused reflections and dirt. The entire Sheet is colorless and transparent. Five Sheets are provided in one set. | NA-12KBA04 |
| | For the NA5-9W. Attach a Sheet to the screen to protect against diffused reflections and dirt. The entire Sheet is colorless and transparent. Five Sheets are provided in one set. | NA-9KBA04 |
| | For the NA5-7W. Attach a Sheet to the screen to protect against diffused reflections and dirt. The entire Sheet is colorless and transparent. Five Sheets are provided in one set. | NA-7KBA04 |

Automation Software

| Product name | Specifications | Number of licenses | Model (No media/DVD, license only) | Model (combination DVD & license) |
|--|---|--------------------|------------------------------------|-----------------------------------|
| Sysmac Studio Standard Edition Ver.1. □□ | The Sysmac Studio provides an integrated development environment to set up, program, debug, and maintain NJ-series Controllers and other Machine Automation Controllers, as well as EtherCAT slaves. Sysmac Studio runs on the following OS. Windows XP (Service Pack 3 or higher, 32-bit version) / Vista (32-bit version) / 7 (32-bit/64-bit version) / 8 (32-bit/64-bit version) | – (Media/DVD only) | SYSMAC-SE200D | – |
| | | 1 license | SYSMAC-SE201L | SYSMAC-STUDIO-1USER |
| | | 3 licenses | SYSMAC-SE203L | SYSMAC-STUDIO-3USER |
| | | 10 licenses | SYSMAC-SE210L | SYSMAC-STUDIO-10USER |
| | | 30 licenses | SYSMAC-SE230L | SYSMAC-STUDIO-30USER |
| | | 50 licenses | SYSMAC-SE250L | SYSMAC-STUDIO-50USER |
| | | Site license | SYSMAC-SE2XXL | SYSMAC-STUDIO-SITE |

USB Cable

| Product name | Specifications |
|--------------|---|
| USB Cable | Use commercially available USB cable. Specifications: USB 2.0 cable (A connector - B connector), 5.0 m max. |

Recommended Network Devices

Industrial Switching Hubs

| Product name | Specifications | | | | | Model |
|---------------------------|--|--------------|-------------------|---|-------------------------|----------|
| | Functions | No. of ports | Failure detection | Accessories | Current consumption (A) | |
| Industrial Switching Hubs | Quality of Service (QoS): EtherNet/IP control data priority | 3 | No | Power supply connector | 0.08 | W4S1-03B |
| | Failure detection: Broadcast storm and LSI error detection 10/100BASE-TX, Auto-Negotiation | 5 | No | • Power supply connector • Connector for informing error | 0.12 | W4S1-05B |
| | | 5 | Yes | | 0.12 | W4S1-05C |

Recommended Ethernet Communications Cables

Use STP (shielded twisted-pair) cable of category 6A or higher

| Appearance | Type | Cable Sheath Material | Part Number | Length in inch (cm) | xx = Length | y = Color |
|---|--|-------------------------------|----------------------------|---------------------|-------------|-------------------------------------|
|  | Category 6A Cable with Connectors on Both Ends (RJ45/RJ45) | Low Smoke Zero Halogen (LSZH) | XS6W-6LSZH8SSxxCM-y | 7.87 (20) | 20 | B = Blue Y = Yellow G = Green |
| | | | | 11.8 (30) | 30 | |
| | | | | 19.6 (50) | 50 | |
| | | | | 39.4 (100) | 100 | |
| | | | | 59.0 (150) | 150 | |
| | | | | 78.7 (200) | 200 | |
| | | | | 118 (300) | 300 | |
| | | | | 196 (500) | 500 | |
| | | | | 295 (750) | 750 | |
| | | | | 393 (1000) | 1000 | |
| | | | | 590 (1500) | 1500 | |
| | | | | 787 (2000) | 2000 | |

Example: XS6W-6LSZH8SS100CMB = CAT6A cable with RJ45 connectors at both ends 39.4 inch (100 cm) long, Blue

NA Series

Performance Specifications

Display

| Item | Specification | | | | |
|----------------------------|--|--|---|--|---|
| | NA5-15W □□□□ | NA5-12W □□□□ | NA5-9W □□□□ | NA5-7W □□□□ | |
| Display panel * 1 | Display device | TFT LCD | | | |
| | Screen size | 15.4 inches | 12.1 inches | 9.0 inches | 7.0 inches |
| | Resolution | 1,280 × 800 dots (horizontal × vertical) | | 800 × 480 dots (horizontal × vertical) | |
| | Colors | 16,770,000 colors (24 bit full colors) | | | |
| | Effective display area inches (mm) | 13.0 x 8.15 (331 x 207) (horizontal x vertical) | 10.3 x 6.4 (261 x 163) (horizontal x vertical) | 7.8 x 4.6 (197 x 118) (horizontal x vertical) | 6.0 x 3.6 (152 x 91) (horizontal x vertical) |
| View angles | Left: 60°, Right: 60°, Top: 60°, Bottom: 60° | | | | |
| Backlight * 2 | Life | 50,000 hours min. * 3 | | | |
| | Brightness adjustment | 200 levels | | | |
| Front panel indicators * 4 | RUN | Lit green: Normal operation | Lit red: Error | | |

*1. There may be some defective pixels in the display. This is not a fault as long as the numbers of defective light and dark pixels fall within the following standard ranges.

| Model | Standard range |
|--|---|
| NA5-15W□□□□ NA5-12W□□□□ NA5-9W□□□□ NA5-7W□□□□ | Number of light and dark pixels: 10 or less. (There must not be 3 consecutive light/dark pixels.) |

*2. The backlight can be replaced at an OMRON maintenance base.

*3. This is the estimated time before brightness is reduced by half at room temperature and humidity. The life expectancy is drastically shortened if Programmable Terminal is used at high temperatures.

*4. The brightness of the front panel indicators is also adjustable when you adjust the brightness of the backlight.

Operation

| Item | Specification | | | |
|-----------------|---|--------------|-------------|-------------|
| | NA5-15W □□□□ | NA5-12W □□□□ | NA5-9W □□□□ | NA5-7W □□□□ |
| Touch panel | Method: Analog resistance membrane (pressure sensitive) | | | |
| | Resolution: 16,384 × 16,384 | | | |
| | Life: 1,000,000 operations | | | |
| Function keys * | 3 inputs (capacitance inputs) | | | |

* Each function key has blue indicator. The brightness of the function key indicators is also adjustable when you adjust the brightness of the backlight.

Data Capacity

| Item | Specification | | | |
|--------------------|---------------|--------------|-------------|-------------|
| | NA5-15W □□□□ | NA5-12W □□□□ | NA5-9W □□□□ | NA5-7W □□□□ |
| User data capacity | 900MB | | | |

External Interfaces

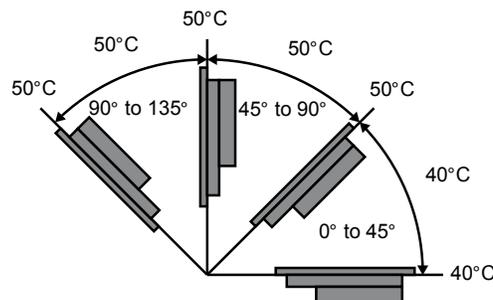
| Item | Specifications (Same for all models.) | |
|----------------------------|---------------------------------------|---|
| Ethernet ports | Applications | Port 1: Connecting to anything other than the Sysmac Studio, e.g., device connections and VNC clients Port 2: Connecting to the Sysmac Studio in addition to the applications of port 1. |
| | Number of ports | 2 ports |
| | Compliant standards | IEEE 802.3i (10BASE-T), IEEE 802.3u (100BASE-TX), and IEEE 802.3ab (1000Base-T) |
| | Transmission media | Shielded twisted-pair (STP) cable: Category 5, 5e, or higher |
| | Transmission distance | 328 ft. (100 m) max. |
| Connector | RJ-45 8P8C modular connector | |
| USB host ports | Applications | USB Memory Device, keyboard, or mouse |
| | Number of ports | 2 ports |
| | Compliant standards | USB 2.0 |
| | Transmission distance | 16.5 ft. (5 m) max. |
| Connector | Type-A connector | |
| USB slave port | Applications | Sysmac Studio connection |
| | Number of ports | 1 port |
| | Compliant standards | USB 2.0 |
| | Transmission distance | 16.5 ft. (5 m) max. |
| Connector | Type-B connector | |
| Serial port * | Applications | Device Connection |
| | Number of ports | 1 port |
| | Compliant standards | RS-232C |
| | Transmission distance | 49.2 ft. (15 m) max. |
| Connector | D-SUB 9-pin female connector | |
| SD Memory Card slot | Applications | To transfer or store the project or to store log data. |
| | Number of slots | 1 slot |
| | Compliant standards | SD/SDHC |
| Expansion Unit connector * | Applications | Expansion Unit |
| | Quantity | 1 |

* The serial port and Expansion Unit connector are for future expansion.

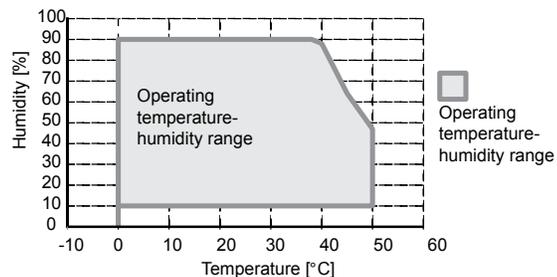
General Specifications

| Item | Specification | | | |
|---|--|--|---|---|
| | NA5-15W□□□□ | NA5-12W□□□□ | NA5-9W□□□□ | NA5-7W□□□□ |
| Rated supply voltage | 24 VDC | | | |
| Allowable power supply voltage range | 19.2 to 28.8 VDC (24 VDC ±20%) | | | |
| Allowable momentary power interruption time | Operation for momentary power interruption is not specified. | | | |
| Power consumption | 47 W max. | 45 W max. | 40 W max. | 35 W max. |
| Ambient operating temperature | 32 to 122°F (0 to 50°C) *1 *2 | | | |
| Ambient storage temperature | -4 to 140°F (-20 to 60°C) *3 | | | |
| Ambient operating humidity | 10 to 90% * 2 Must be no condensation. | | | |
| Atmosphere | Must be free from corrosive gases. | | | |
| Pollution degree | 2 or less: JIS B 3502, IEC 61131-2 | | | |
| Noise immunity | 2 kV on power supply line (Conforms to IEC 61000-4-4.) | | | |
| Vibration resistance (during operation) | Conforms to IEC 60068-2-6. 5 to 8.4 Hz with 3.5 mm half amplitude and 8.4 to 150 Hz with 9.8 m/s ² for 100 minutes each in X,Y, and Z directions (Time coefficient of 10 minutes X coefficient factor of 10 = total time of 100 min.) | | | |
| Shock resistance (during operation) | Conforms to IEC 60028-2-27. 147 m/s ² 3 times each in X, Y, and Z directions | | | |
| Dimensions W x H x D in (mm) | 16.5 x 11.5 x 2.7 (420 x 291 x 69) | 13.4 X 9.6 X 2.7 (340 X 244 X 69) | 11.4 X 7.5 X 2.7 (290 X 190 X 69) | 9.3 X 6.9 X 2.7 (236 X 165 X 69) |
| Panel cutout dimensions (horizontal X vertical) | 15.4 x 10.5 in ^{+0.04} (392 x 268 mm ⁺¹) Panel thickness: .062 to .24 in (1.6 to 6.0 mm) | 12.2 x 8.7 in ^{+0.04} (310 x 221 mm ⁺¹) Panel thickness: .062 to .24 in (1.6 to 6.0 mm) | 10.3 x 6.5 in ⁺⁴ (261 x 166 mm ⁺¹) Panel thickness: .062 to .24 in (1.6 to 6.0 mm) | 7.6 x 5.6 in ^{+0.02} (197 x 141 mm ^{+0.5}) Panel thickness: .062 to .24 in (1.6 to 6.0 mm) |
| Weight | 7.0 lb (3.2 kg) max. | 5.0 lb (2.3 kg) max. | 3.7 lb (1.7 kg) max. | 2.9 lb (1.3 kg) max. |
| Degree of protection | Front-panel controls: IP65 oil-proof type, UL type 4X | | | |
| Battery life | Battery life: 5 years at 25°C The RTC will be backed up for 5 days after the battery runs low. The RTC will be backed up by a super capacitor for 5 minutes after removing the old battery. (This assumes that the power is first turned ON for at least 5 minutes and then turned OFF.) | | | |
| International standards | UL 508/CSA standard C22.2 No.142 * 4 EMC Directive (2004/108/EC) EN 61131-2:2007 Shipbuilding standards LR, DNV, and NK IP65 oil-proof, UL type 4X (front panel only) ANSI 12.12.01 Class 1 Division 2/CSA standard C22.2 RoHS Directive (2002/95/EC) KC Standards KN 61000-6-2:2012-06 for EMS and KN 61000-6-4:2012-06 for EMI RCM | | | |

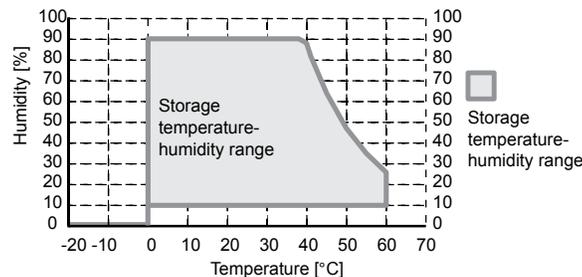
- *1. The ambient operating temperature is subject to the following restrictions, depending on the mounting angle.
- The ambient operating temperature is 0° to 40°C when the mounting angle is 0° or more and less than 45° to the horizontal.
 - The ambient operating temperature is 0° to 50°C when the mounting angle is 45° or more and 90° or less to the horizontal.
 - The ambient operating temperature is 0° to 50°C when the mounting angle is 90° or more and 135° or less to the horizontal.



- *2. Use the Programmable Terminal within the following temperature and humidity ranges.



- *3. Store the Programmable Terminal within the following temperature and humidity ranges.



| °C | °F |
|----|-----|
| 0 | 32 |
| 10 | 50 |
| 20 | 68 |
| 30 | 86 |
| 40 | 104 |
| 50 | 122 |
| 60 | 140 |

- *4. Use power supply Class 2 to conform to UL Standards.

NA Series

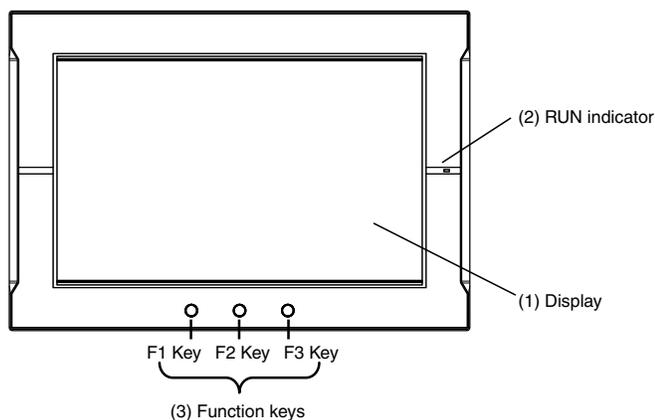
Version Information

NA series and Programming Devices

| NA series | | Corresponding unit versions/version | |
|--------------|-------------------|---|---------------|
| Model | NA system version | NJ-series CPU Units NJ501-□□□□ NJ301-□□□□ | Sysmac studio |
| NA5-15W □□□□ | 1.00 or later | NJ501 : 1.01 or later NJ501 Database Connection : 1.05 or later NJ301 : 1.01 or later | 1.10 or later |
| NA5-12W □□□□ | | | |
| NA5-9W □□□□ | | | |
| NA5-7W □□□□ | | | |

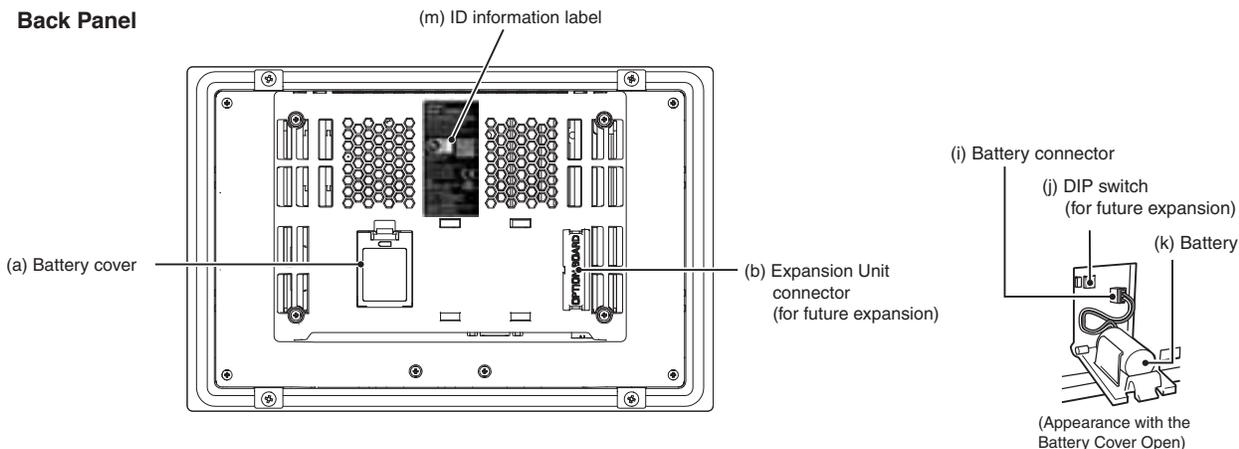
Components and Functions

Front Panel

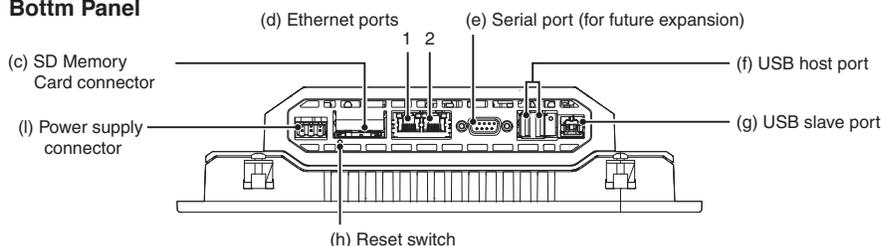


| No. | Name | Description |
|-----|---------------|--|
| (1) | Display | The entire display is a touch panel that also functions as an input device. |
| (2) | RUN indicator | The status of the indicator changes according to the status of the NA. |
| (3) | Function keys | <p>There are three function keys: F1, F2, and F3.</p> <p> : F1 Key,  : F2 Key,  : F3 Key</p> <p>You can use the function keys as execution conditions for the actions for global or page events. You can also use the function keys for interlocks (two-point touch).</p> |

Back Panel



Bottom Panel



| No. | Name | Description |
|-----|------------------------------------|--|
| (a) | Battery cover | Open this cover to replace the Battery. |
| (b) | Expansion Unit connector * | For future expansion. |
| (c) | SD Memory Card connector | Insert an SD Memory Card here. |
| (d) | Ethernet port 1 Ethernet port 2 | Connect a device other than the Sysmac Studio. Connect mainly the Sysmac Studio. |
| (e) | Serial port * | For future expansion. |
| (f) | USB host port | Connect this port to a USB Memory Device, mouse, etc. |
| (g) | USB slave port | Connect the Sysmac Studio or other devices. |
| (h) | Reset switch | Use this switch to reset the NA. |
| (i) | Battery connector | Connect the connector on the backup Battery here. |
| (j) | DIP switch * | For future expansion. (The DIP switch is on a PCB that is accessed by opening the Battery cover.) Do not change any of the factory settings of the pins on the DIP switch. (Default setting: OFF) |
| (k) | Battery | This is the battery to backup the clock information in the NA. |
| (l) | DC input terminals | These are the power supply terminals. Connect the accessory power supply connector and supply power. |
| (m) | ID information label | You can check the ID information of the NA. |

* The DIP switch, Expansion Unit connector, and serial port are for future expansion.

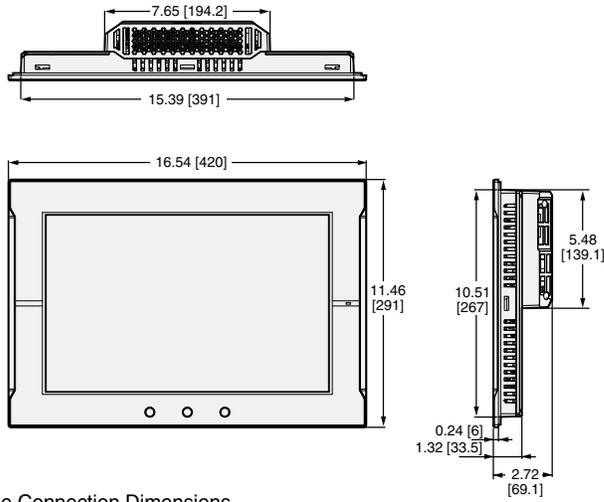
Supported Devices

| Manufacturer | Models | Connection method | Communications driver |
|--------------|--|---------------------------|-----------------------|
| OMRON | NJ501-□□□□ NJ301-□□□□ | Built-in EtherNet/IP port | Ethernet |
| | CJ2H-CPU64/65/66/67/68-EIP CJ2M-CPU31/32/33/34/35 | Built-in EtherNet/IP port | CIP Ethernet |
| | CJ2H-CPU64/65/66/67/68-EIP CJ2M-CPU31/32/33/34/35 | CJ1W-EIP21 | |
| | CJ2H-CPU64/65/66/67/68-EIP CJ2M-CPU31/32/33/34/35 | Built-in EtherNet/IP port | FINS Ethernet |
| | CJ1H-CPU65H/66H/67H CJ1H-CPU65H/66H/67H-R CJ1G-CPU42H/43H/44H/45H CJ1M-CPU11/12/13/21/22/23 CJ2H-CPU64/65/66/67/68(-EIP) CJ2M-CPU11/12/13/14/15 CJ2M-CPU31/32/33/34/35 | CJ1W-ETN21 CJ1W-EIP21 | |

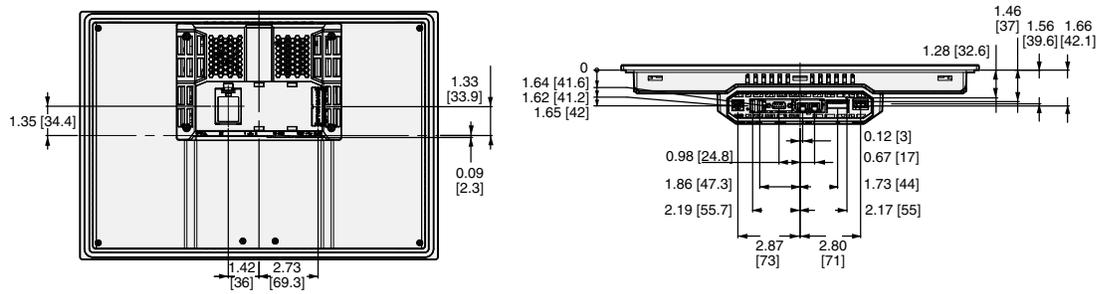
NA Series Dimensions

Unit: inches [mm]

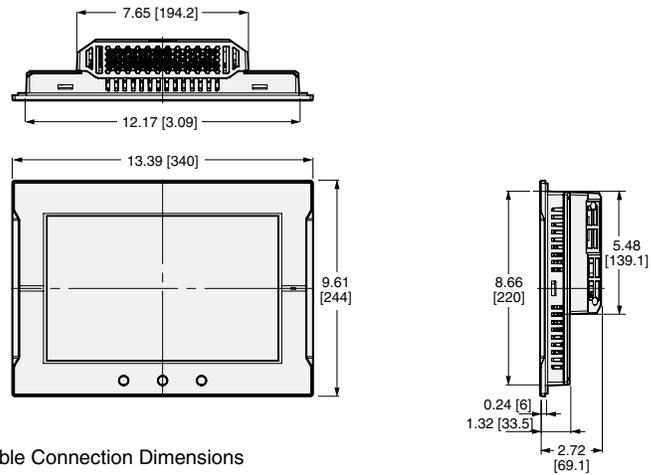
NA5-15W101S/-15W101B



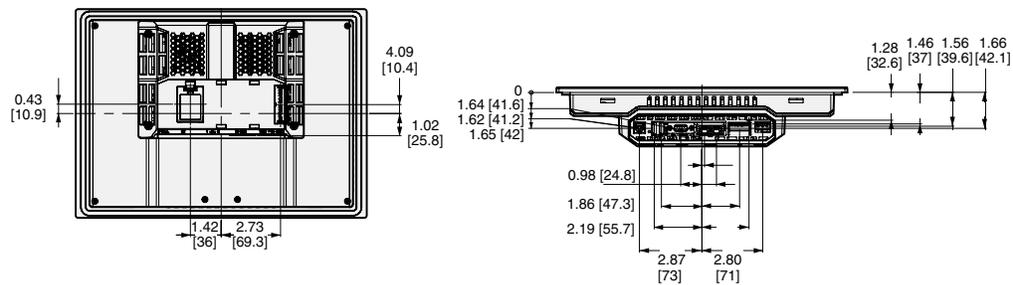
Cable Connection Dimensions



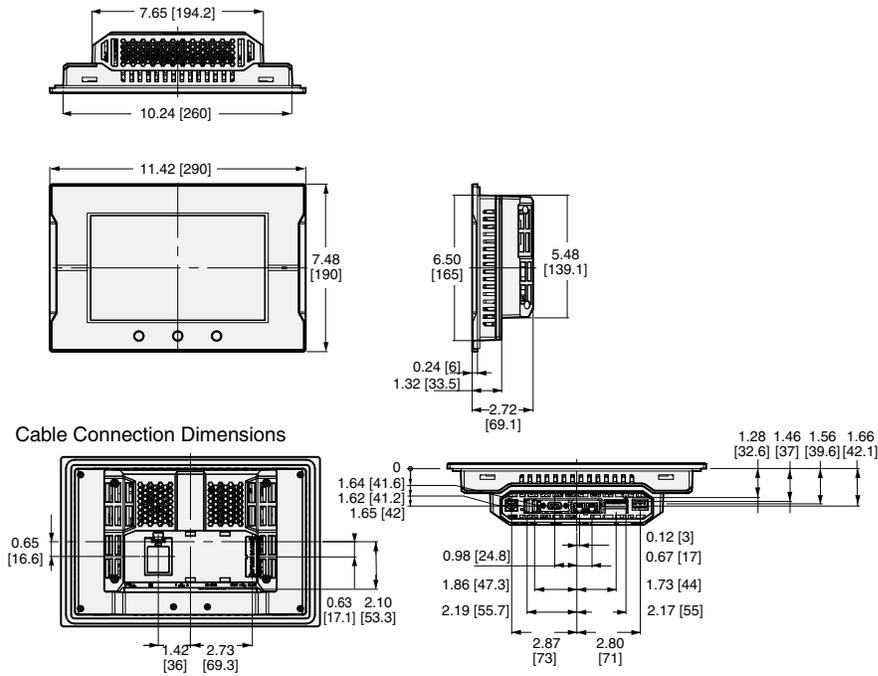
NA5-12W101S/-12W101B



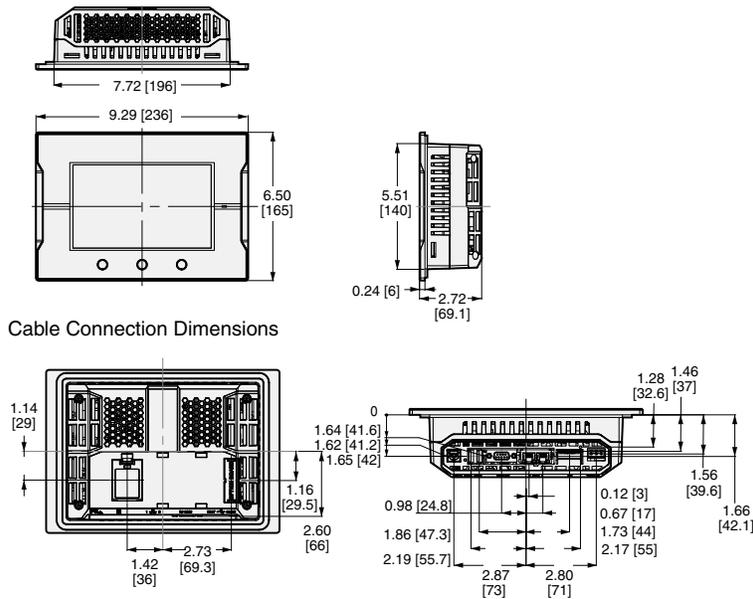
Cable Connection Dimensions



NA5-9W001S/-9W001B



NA5-7W001S/-7W001B



NA Series

Related Manuals

| Cat. No. | Model number | Manual |
|----------|--|---|
| V117 | NA5-15W□□□□ NA5-12W□□□□ NA5-9W□□□□ NA5-7W□□□□ | NA-series Programmable Terminal Hardware User's Manual |
| V118 | NA5-15W□□□□ NA5-12W□□□□ NA5-9W□□□□ NA5-7W□□□□ | NA-series Programmable Terminal Software User's Manual |
| V119 | NA5-15W□□□□ NA5-12W□□□□ NA5-9W□□□□ NA5-7W□□□□ | NA-series Programmable Terminal Device Connection User's Manual |
| V120 | NA5-15W□□□□ NA5-12W□□□□ NA5-9W□□□□ NA5-7W□□□□ | NA-series Programmable Terminal Startup Guide |

OMRON AUTOMATION AND SAFETY • THE AMERICAS HEADQUARTERS • Chicago, IL USA • 847.843.7900 • 800.556.6766 • www.omron247.com

OMRON CANADA, INC. • HEAD OFFICE

Toronto, ON, Canada • 416.286.6465 • 866.986.6766 • www.omron247.com

OMRON ELECTRONICS DE MEXICO • HEAD OFFICE

México DF • 52.55.59.01.43.00 • 01-800-226-6766 • mela@omron.com

OMRON ELECTRONICS DE MEXICO • SALES OFFICE

Apodaca, N.L. • 52.81.11.56.99.20 • 01-800-226-6766 • mela@omron.com

OMRON ELETRÔNICA DO BRASIL LTDA • HEAD OFFICE

São Paulo, SP, Brasil • 55.11.2101.6300 • www.omron.com.br

OMRON ARGENTINA • SALES OFFICE

Cono Sur • 54.11.4783.5300

OMRON CHILE • SALES OFFICE

Santiago • 56.9.9917.3920

OTHER OMRON LATIN AMERICA SALES

54.11.4783.5300

OMRON EUROPE B.V. • Wegalaan 67-69, NL-2132 JD, Hoofddorp, The Netherlands. • +31 (0) 23 568 13 00 • www.industrial.omron.eu

Authorized Distributor:

Automation Control Systems

- Machine Automation Controllers (MAC) • Programmable Controllers (PLC)
- Operator interfaces (HMI) • Distributed I/O • Software

Drives & Motion Controls

- Servo & AC Drives • Motion Controllers & Encoders

Temperature & Process Controllers

- Single and Multi-loop Controllers

Sensors & Vision

- Proximity Sensors • Photoelectric Sensors • Fiber-Optic Sensors
- Amplified Photomicrosensors • Measurement Sensors
- Ultrasonic Sensors • Vision Sensors

Industrial Components

- RFID/Code Readers • Relays • Pushbuttons & Indicators
- Limit and Basic Switches • Timers • Counters • Metering Devices
- Power Supplies

Safety

- Laser Scanners • Safety Mats • Edges and Bumpers • Programmable Safety Controllers • Light Curtains • Safety Relays • Safety Interlock Switches