

Series 200 PLC Workstation

Use the Series 200 Industrial Workstation for PLC operator interface applications. This simple and

Features and Benefits

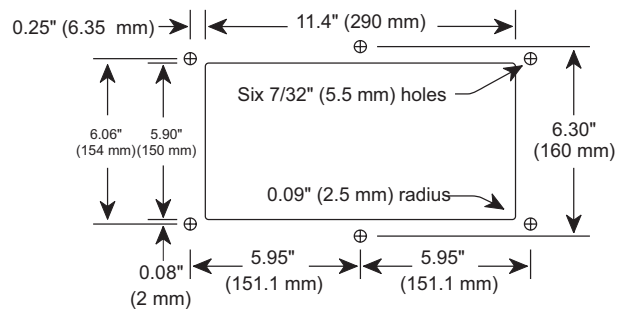
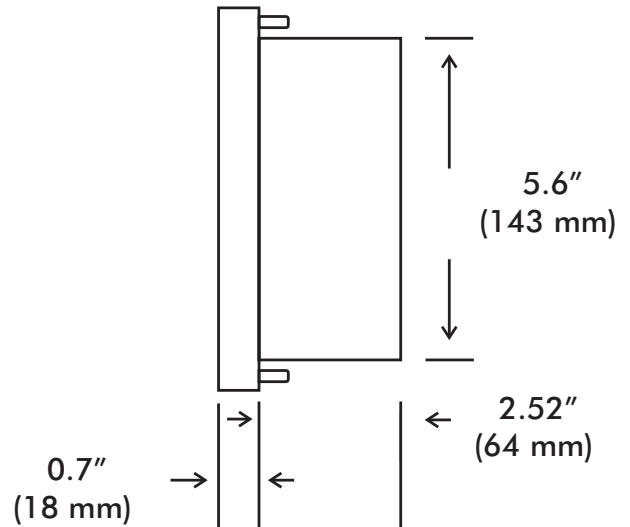
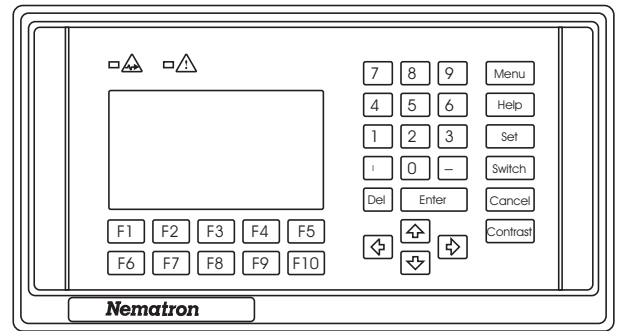
- Easy-to-use PC-based setup software, for quicker installation
- Full graphics, bar and trend graphs
- Minimum and maximum operator entries reduce errors
- Alarm monitoring and reporting—improve your system's built-in diagnostics with up to four alarm limits and alarm messages for each location
- Ten configurable and relegendable function keys
- Liquid crystal display with LED backlighting and 3 character sizes

cost-effective replacement for many separate devices, saves the cost of programming controller I/O modules, ladder programming, and installation.

The Series 200 provides full graphics to create pushbuttons, message displays, indicators,

bar and trend graphs, and numeric displays. Plus, it offers a choice of three character sizes, each with 128 programmable characters—and a liquid crystal display with LED backlighting. Setting up a Series 200 with a PC is easy. The unit comes with setup software and download cable to connect the Series 200 to a PC. The system stores its firmware in flash EPROM memory for easy and convenient upgrading.

With its NEMA 12 design and broad scope of operating temperatures, the Series 200 PLC Workstation is ready for plant floor conditions.



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Open minds. Open systems. Real solutions.

As a PLC workstation, the Series 200 is widely compatible

Cables are available to connect the Series 200 to most popular PLCs. Contact your local distributor or the factory.

Allen-Bradley

- SLC-5/03 and SLC-5/04 (DF1)
- SLC 500 Series (DH-485)
- PLC-5 (DF1) - Data Highway

Fuji

- F Series, N Series
- GE Fanuc
- Series Ninety (SNP)

Hitachi

- H Series
- IDEC
- Micro-3

Mitsubishi

- Series A, FX
- Modicon
- Modbus protocol RTU-ASCII

National

- FP Series

Omron

- Host-Link models, C Series

Siemens

- S5-90, 95, 100, 102, 103, 115, 135 (3964R)
- SIMATIC/TI 305/435, 500/505 Series
- S7-200 Series

Square D

- 400, 500, 600, 700 (Sy/Max)

Toshiba

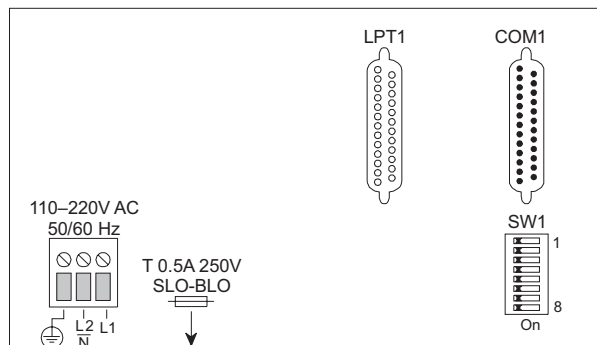
- M Series

Westinghouse

- PC-500, PC-2000

Multipurpose Ports

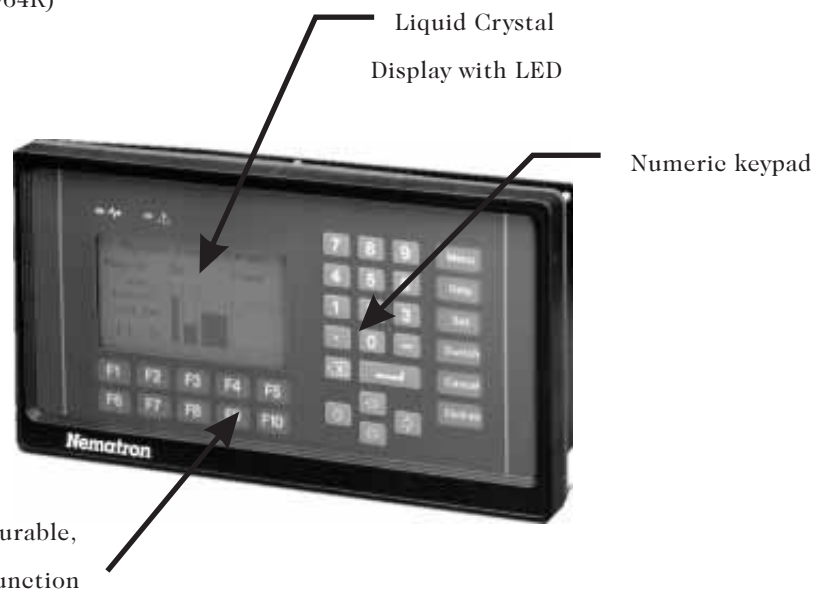
Rear connectors include COM1, an RS-232/422/485 (DIP switch selectable) serial port for PC and PLC connections, and LPT1 for a parallel printer.



Quick and Easy Setup Software

The IWS-SETUP-200 software runs on a PC and leads you quickly and easily through setting up your Workstation. A download cable is also included for your convenience.

On power-up, the Series 200 performs a self-test of memory, real-time clock, battery, printer, and display. At the end of the self-test, the unit displays the *root* screen that you specify during configuration.



Specifications and Ratings

Temperature

- 0°-50°C operating temperature

Relative humidity

- 5%-95%, non-condensing

Operational Vibration

- 5-10 Hz/.2"
- 10-500 Hz/1G

Shock

- 15G/11msec, operational

EMC Compliance

- FCC Part 15, Class A

Front Panel Seal

- Rated NEMA 12 from front panel

Power

- Auto-ranging 110-220V AC + 15%, 50/60 Hz

Display

- Liquid crystal display with LED backlighting, 240 x 128 pixels; three character sizes

Dimensions

- 6.7" H x 12.3" W x 3.0" D (169 mm H x 312 mm W x 76 mm D)

Processor

- 8032 processor running at 11.0592 MHz

Memory

- 64 KB flash EPROM user memory, expandable to 320 KB; EPROM option available
- 64 KB flash EPROM memory updated serially from PC-based setup software

Keypad

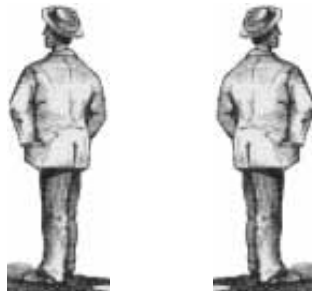
- Ten reconfigurable and relegendable function keys, plus numeric keypad

Communication

- One RS-232/422/485 serial port and one parallel printer port

Take Advantage of the Series 200's Broad Capabilities

- Panel Replacement
- Keypads and thumbwheels
- Displays
- Annunciator panels
- PLC ASCII or BASIC modules
- Auxiliary pushbuttons and indicator lights
- Applications and Functions
- Enter part dimensions
- Sound alarm on high temperatures
- Change batch recipe
- Change timer setpoints
- Print shift or batch report



How to Order

Please ask for the part number for the Series 200 or component part you want to order:

- IWS-200** Series 200 PLC Workstation with LCD display, 64 KB flash, numeric keypad, ten function keys, one RS-232/422/485 serial port, parallel printer port and real-time clock
- COM-ABN-200** Allen-Bradley SLC-500 (RS-485) driver kit from Series 200 to AB SLC-500 network adapter
- COM-ABS-200** Allen-Bradley SLC-500 (RS-485) driver kit from Series 200 to AB SLC-500 programming port
- IWS-SETUP-200** Setup software, documentation, and download cable; includes all drivers except SLC-500 (RS-485)
- MEM-E128-200** Kit with 128 KB of expansion memory. You can install a maximum of 256KB of additional memory. Use model numbers IWS-200-192 and IWS-200-320 to order Series 200 units from the factory with extra memory installed.

About Nematron

Nematron Corporation (Ann Arbor, MI) is located close to Detroit and the core of the world's largest automotive manufacturing centers. This location allows us to cooperatively develop open architecture manufacturing applications. We are a publicly held company listed on the NASDAQ National Market System (TICKER:NEMA).

Nematron pioneered the operator interface segment of factory automation fifteen years ago with the Industrial Workstation and now leads worldwide in designing, manufacturing, and supplying high-quality Intel-based industrial automation solutions—a wide range of rugged and reliable hardware products from low-cost operator interface to high-performance Industrial Control Computers. The Industrial Control Computers, based on Intel's Pentium® and Pentium Pro processors, are the fastest industrial computers available today.

Nematron hardware withstands the rigors of plant-floor use such as high humidity, machine shock and vibration, and airborne contaminants, and meets specifications for use in hazardous locations. In addition, our products meet the stringent requirements of Europe's CE mark. We have a worldwide sales and support organization and an installed base of over 80,000 systems in discrete manufacturing and continuous process environments. Nematron offers a complete systems approach to factory automation, leading the shift away from proprietary control systems towards higher performance, lower-cost, open architecture PC-based solutions that execute on Microsoft's Windows NT platform.

Nematron®

Open minds. Open systems. Real solutions.

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