



### Nano 10 PLCs

The palm-sized VersaMax Nano PLC is highly compact, with an all-in-one construction that saves panel space. Installation is a breeze: simply snap it onto a DIN-rail or mount it on a panel. Because it gives you more capabilities in a smaller, less expensive package, the Nano PLC is ideal for high-volume applications that require low cost, compact size, and fast processor speeds. The Nano decreases your life-cycle costs as well, with easy installation and long-term reliability.

|  | IC200NAL110  | IC200NAL211  | IC200NDD010  | IC200NDD101  | IC200NDR001  | IC200NDR010  |
|--|--|--|--|--|--|--|
| <b>Product Name</b>                        | 10 point (6) 12 VDC In, (1) Analog Voltage In, (4) Relay Out, 12 VDC Powered     | 10 point (6) 24 VDC In, (1) Analog Voltage In, (4) Relay Out, 24 VDC Powered     | 10 point (6) 12 VDC In, (4) 12 VDC Out, 12 VDC Powered                           | 10 point (6) 24 VDC In, (4) 24 VDC Out, 24 VDC Powered                           | 10 point (6) 24 VDC In, (4) Relay Out, 24 VDC Powered                            | 10 point (6) 12 VDC In, (4) Relay Out, 12 VDC Powered                            |
| <b>Lifecycle Status</b>                    | Active   | Active   | Active   | Active   | Active   | Active   |
| <b>Number of Discrete Inputs/Outputs</b>   | 6 In / 4 Out (Non Expandable)  | 6 In / 4 Out (Non Expandable)  | 6 In / 4 Out (Non Expandable)  | 6 In / 4 Out (Non Expandable)  | 6 In / 4 Out (Non Expandable)  | 6 In / 4 Out (Non Expandable)  |
| <b>Number of Analog Inputs/Outputs</b>     | 1 In   | 1 In   | N/A  | N/A  | N/A  | N/A  |
| <b>Physical I/O Maximum</b>                | 10   | 10   | 10   | 10   | 10   | 10   |
| <b>User Program Logic Memory (Words)</b>   | 2 K  | 2 K  | 2 K  | 2 K  | 2 K  | 2 K  |
| <b>Registers (Words)</b>                   | 256  | 256  | 256  | 256  | 256  | 256  |
| <b>Analog Pots for Data Adjustment</b>     | Yes, 2   | Yes, 2   | Yes, 2   | Yes, 2   | Yes, 2   | Yes, 2   |
| <b>Serial Port Connector Type</b>          | RJ-45 (RS-232)   | RJ-45 (RS-232)   | RJ-45 (RS-232)   | RJ-45 (RS-232)   | RJ-45 (RS-232)   | RJ-45 (RS-232)   |
| <b>Protocols</b>                           | SNP, SNP X (Breakless) RTU Slave (2 and 4 wire RTU Slave). Serial Read and Write | SNP, SNP X (Breakless) RTU Slave (2 and 4 wire RTU Slave). Serial Read and Write | SNP, SNP X (Breakless) RTU Slave (2 and 4 wire RTU Slave). Serial Read and Write | SNP, SNP X (Breakless) RTU Slave (2 and 4 wire RTU Slave). Serial Read and Write | SNP, SNP X (Breakless) RTU Slave (2 and 4 wire RTU Slave). Serial Read and Write | SNP, SNP X (Breakless) RTU Slave (2 and 4 wire RTU Slave). Serial Read and Write |
| <b>Power Voltage</b>                       | 12 VDC   | 24 VDC   | 12 VDC   | 24 VDC   | 24 VDC   | 12 VDC   |
| <b>Input Power Supply Rating</b>           | 3 watts internal   | 3 watts internal   | 3 watts internal   | 3 watts internal   | 3 watts internal   | 3 watts internal   |
| <b>Input Device Voltage</b>                | 12 VDC   | 24 VDC   | 12 VDC   | 24 VDC   | 24 VDC   | 12 VDC   |
| <b>Maximum Type A and B Counters</b>       | 2 Type A and 1 Type B @ 10Khz (16 bit)   | 2 Type A and 1 Type B @ 10Khz (16 bit)   | 2 Type A and 1 Type B @ 10Khz (16 bit)   | 2 Type A and 1 Type B @ 10Khz (16 bit)   | 2 Type A and 1 Type B @ 10Khz (16 bit)   | 2 Type A and 1 Type B @ 10Khz (16 bit)   |
| <b>Analog Input Ranges</b>                 | 0 to 10 VDC (8 bit)  | 0 to 10 VDC (8 bit)  | N/A  | N/A  | N/A  | N/A  |
| <b>Output Control Voltage</b>              | Relay Out  | Relay Out  | 12 VDC   | 24 VDC   | Relay Out  | Relay Out  |
| <b>Relay Maximum Resistive Load Rating</b> | 2 Amps at 5 VDC and 240 VAC  | 2 Amps at 5 VDC and 240 VAC  | N/A  | N/A  | 2 Amps at 5 VDC and 240 VAC  | 2 Amps at 5 VDC and 240 VAC  |
| <b>Maximum Number of PWM/Pulse Outputs</b> | 0  | 0  | 3 @ 5Khz (16 bit)  | 3 @ 5Khz (16 bit)  | 0  | 0  |
| <b>Dimensions (WxHxD) mm</b>               | 75x80x47   | 75x80x47   | 75x80x47   | 75x80x47   | 75x80x47   | 75x80x47   |
| <b>Operating Temperature</b>               | 0°C to +55°C   | 0°C to +55°C   | 0°C to +55°C   | 0°C to +55°C   | 0°C to +55°C   | 0°C to +55°C   |
| <b>Programming Software</b>                | VersaPro 2.0 or greater, Proficy Machine Edition Logic Developer                 | VersaPro 2.0 or greater, Proficy Machine Edition Logic Developer                 | VersaPro 1.1 or greater, Proficy Machine Edition Logic Developer                 | VersaPro 1.1 or greater, Proficy Machine Edition Logic Developer                 | VersaPro 1.1 or greater, Proficy Machine Edition Logic Developer                 | VersaPro 1.1 or greater, Proficy Machine Edition Logic Developer                 |
| <b>Portable Memory Module Support</b>      | No   | No   | No   | No   | No   | No   |