








EZSeries TextPLC Selection Guide and Specifications

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|------------------------------|---|--|--|--|--|
| EZSeries TextPLC | EZ-220-PLC (Snap-in I/O) \$272 EZP-220-PLC (Screw-down I/O) \$302 | EZ-420-PLC (Snap-in I/O) \$292 EZP-420-PLC (Screw-down I/O) \$322 | EZ-220P-PLC (Snap-in I/O) \$342 EZP-220P-PLC (Screw-down I/O) \$372 | EZ-220V-PLC (Snap-in I/O) \$372 EZP-220V-PLC (Screw-down I/O) \$402 | EZ-220PV-PLC (Snap-in I/O) \$442 EZP-220PV-PLC (Screw-down I/O) \$472 |
| EZSeries TextPLC w/Ethernet | EZ-220-PLC-E (Snap-in I/O) \$371 EZP-220-PLC-E (Screw-down I/O) \$401 | EZ-420-PLC-E (Snap-in I/O) \$391 EZP-420-PLC-E (Screw-down I/O) \$421 | EZ-220P-PLC-E (Snap-in I/O) \$441 EZP-220P-PLC-E (Screw-down I/O) \$471 | EZ-220V-PLC-E (Snap-in I/O) \$471 EZP-220V-PLC-E (Screw-down I/O) \$501 | EZ-220PV-PLC-E (Snap-in I/O) \$541 EZP-220PV-PLC-E (Screw-down I/O) \$571 |
| EZSeries TextPLC w/DeviceNet | EZ-220-PLC-D (Snap-in I/O) \$351 EZP-220-PLC-D (Screw-down I/O) \$381 | EZ-420-PLC-D (Snap-in I/O) \$371 EZP-420-PLC-D (Screw-down I/O) \$401 | EZ-220P-PLC-D (Snap-in I/O) \$421 EZP-220P-PLC-D (Screw-down I/O) \$451 | EZ-220V-PLC-D (Snap-in I/O) \$451 EZP-220V-PLC-D (Screw-down I/O) \$481 | EZ-220PV-PLC-D (Snap-in I/O) \$521 EZP-220PV-PLC-D (Screw-down I/O) \$551 |
| EZSeries TextPLC w/Profibus | EZ-220-PLC-P (Snap-in I/O) \$401 EZP-220-PLC-P (Screw-down I/O) \$431 | EZ-420-PLC-P (Snap-in I/O) \$421 EZP-420-PLC-P (Screw-down I/O) \$451 | EZ-220P-PLC-P (Snap-in I/O) \$471 EZP-220P-PLC-P (Screw-down I/O) \$501 | EZ-220V-PLC-P (Snap-in I/O) \$501 EZP-220V-PLC-P (Screw-down I/O) \$531 | EZ-220PV-PLC-P (Snap-in I/O) \$571 EZP-220PV-PLC-P (Screw-down I/O) \$601 |
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| Specifications | 220 EZSeries TextPLC | 420 EZSeries TextPLC | 220P EZSeries TextPLC | 220V EZSeries TextPLC | 220PV EZSeries TextPLC |
| Display Type | 2 Line x 20 Char LCD (5.55mm) | 4 Line x 20 Char LCD (4.75mm) | 2 Line x 20 Char LCD with Numeric Keypad (5.55mm) | 2 Line x 20 Char Vacuum Fluorescent Display (5.55mm) | Numeric Keypad, five user defined pushbuttons and four control buttons |
| Keypad Overlay | Five User Defined Pushbuttons and Four Control Pushbuttons | | Numeric Keypad, five user defined pushbuttons and four control buttons | Five User Defined Pushbuttons and Four Control Pushbuttons | Numeric Keypad, five user defined pushbuttons and four control buttons |
| # HMI Messages | 256 | | | | |
| LED/LCD Life | 100,000 | | | | |
| I/O Capacity | 4 Slot Base (32I/O Max) | | 6 Slot Base (48I/O Max) | 4 Slot Base (32I/O Max) | 6 Slot Base (48I/O Max) |
| Power Consumption | 14 Watts @ 24VDC | 14 Watts @ 24VDC | 16.5 Watts @ 24VDC | 17 Watts @ 24VDC | 19.5 Watts @ 24VDC |
| Processors | 32 Bit, 40 MHz RISC Processor (PLC), 8 Bit Processor (HMI) | | | | |
| Total PLC Memory | 64 KB (Ladder) | | | | |
| # of PLC Registers | 8192 16Bit | | | | |
| PLC Typical Scan Time | 3ms (1K Boolean) | | | | |
| Real Time Clock/Calendar | Built-in | | | | |
| Built-In Battery Backup | Yes, Lithium coin cell battery with 5 year life expectancy, with a low battery indicator | | | | |
| PLC LED Indicators | Input Power, CPU Status (Run, Program & Run/Program) Low Battery, Program PLC, Program Panel and Run LED indicators | | | | |
| I/O Supported | EZIO Snap-in modules with status LEDs and Removable Terminal Block DC / AC / Analog / Relay / Thermocouple / High Speed Counter | | | | |
| Electrical Noise | Nema ICS 2-230 Showering arc; ANSI C37.90a SWC; Level C Chattering Relay Test | | | | |
| Withstand Voltage | 1000VDC (1 minute) between power supply input terminal and protective ground) | | | | |
| Insulation Resistance | Over 20M Ohm between power supply input and terminal and protective ground | | | | |
| Enclosure | Nema 4, 4x (indoor) | | | | |
| Operating Temperature | 0C to 45C | | | | |
| Storage Temperature | -20C to 60C | | | | |
| Vibration | 5 to 55Hz 2G's for 2 hours in X,Y,and Z axis | | | | |
| Shock | 10G for under 12ms in the X,Y, and Z axis | | | | |
| Humidity | 10-95% Non-Condensing | | | | |
| Protocols Supported | ASCII In/Out; EZ Protocol, Ethernet, DeviceNet Slave, and Profibus Slave | | | | |
| Built-In Serial Comm. Ports | Port 1: RS232 (Programming and HMI Port Only) Port 2: RS422 (1.2K, 2.4K, 4.8K, 9.6K, 19.2K, and 38.4K Baud Rates supported) | | | | |
| Agency Approval | UL, CUL, CE (pending) | | | | |
| External Dimensions | 7.418" x 5" x 2.587" (188.418 x 127 x 65.711mm) | 7.418" x 5" x 2.587" (188.418 x 127 x 65.711mm) | 10.018" x 5" x 2.587" (254.46 x 127 x 65.711mm) | 7.418" x 5" x 2.587" (188.418 x 127 x 65.711mm) | 10.018" x 5" x 2.587" (254.46 x 127 x 65.711mm) |
| Weight | 1.3 lbs. | 1.5 lbs. | 1.7 lbs. | 1.5 lbs. | 1.9 lbs. |