AUTOMATIONDIRECT.com
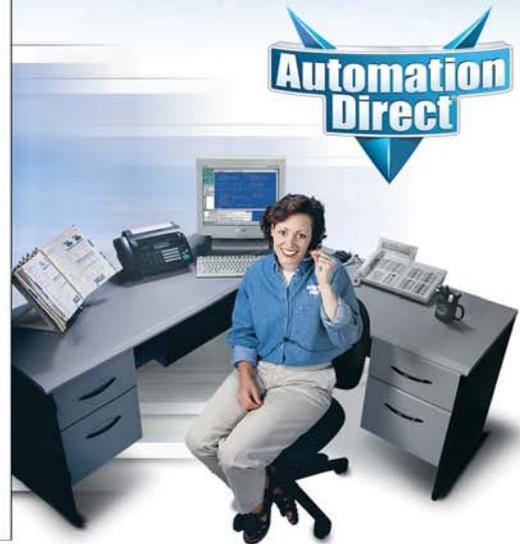
Looking for a common sense way to buy industrial controls?

It's time to try AutomationDirect

VOTED #1 Best in SERVICE 7 YEARS
2001-2002-2003-2004
2005-2006-2007

AutomationDirect.com
Cumming, GA

Automation Direct

BUY DIRECT AND SAVE

Thousands of large and small companies alike have turned to AutomationDirect as their direct supplier of industrial automation products for electrical control systems. We currently offer PLCs, operator interfaces, AC drives, motors, stepper and servo systems, sensors, motor controls, pilot devices, connection systems, enclosures and more. We're so sure you'll be happy with the value, we offer a 30-day money back guarantee on almost every product that we stock.

BEST PRICES EVERY DAY

Our direct business model allows us to offer high-quality products with minimal overhead. We pass the savings on to you with our low everyday prices, which are typically well below the list prices of most traditional automation manufacturers. (*See Web site or catalog for documented price comparisons*).

VOTED #1 IN CUSTOMER SERVICE

Our tech service department is staffed by field service veterans at our headquarters just north of Atlanta, GA. Independent surveys completed by the readers of Control Design magazine placed us at the top of the list *(in at least one product category)* seven years in a row in their Readers' Choice Awards. Other independent surveys by magazines such as Control and Control Engineering have echoed the results.

SAME-DAY SHIPPING

At AUTOMATIONDIRECT, the majority of our products are stocked for same-day shipping, when you place your order by 6 p.m. ET *(except for motors 12 p.m., enclosures 4 p.m., Fed Ex 5 p.m.)*. Already one of the most auto-mated warehouses in the industry, we constantly assess and improve our logistics to maintain our high standard for efficiencies and order accuracy of 99.98%.

SATISFIED CUSTOMERS

It is important for us to get feedback in order to serve our customers better, so we send out satisfaction surveys for many of the sales and technical support calls that we take.

At: www.automationdirect.com/you_talk you can see what our current customers are saying about us.

Call 1-800-633-0405 or go to www.automationdirect.com to get our FREE catalog or browse the online store. Both are complete with pricing, specifications, competitive comparisons and more.

PLC Products ...

Family	I/O Count (In/Out)	Form Factor	Power Options	CPU Options	Base Module Slots	CPU Communications Ports	Ethernet Available	High Speed Counting	Pulse Output	Analog	Additional Bases	Remote I/O	Product Photo
DL05	8 - 24 6 - 24	**Brick** (Integrated I/O) plus one option slot	AC or DC	1	1	2	Yes	5kHz (Integrated I/O) or 100kHz (H0-CTRIO) module	7kHz (Integrated I/O) or 25kHz (H0-CTRIO) module	Current, Voltage, RTD, Thermocouple	No	No	
DL105	8 8	**Brick** (Integrated I/O)	AC or DC	1	0	1	No	5kHz (Integrated I/O) or 100kHz (H0-CTRIO) module	7kHz (Integrated I/O) or 25kHz (H0-CTRIO) module	None	No	No	
DL06	20 - 84 16 - 80	**Brick** (Integrated I/O) plus four option slots	AC or DC	1	4	2	Yes	5kHz (Integrated I/O) or 100kHz (H0-CTRIO) module	7kHz (Integrated I/O) or 100kHz (H0-CTRIO) module	Current, Voltage, RTD, Thermocouple	No	No	
DL205	4 - 8,000 4 - 8,000	**Modular Base**	AC or DC	6	2-8	1-2	Yes	5kHz (D2-CTRINT) module or 100kHz (H2-CTRIO) module	5kHz (D2-CTRINT) module or 25kHz (H2-CTRIO) module	Current, Voltage, RTD, Thermocouple	Yes	Yes	
DL305	8 - 320 8 - 320	**Modular Base**	AC or DC	3	5-10	1-2	No	No	No	Current, Voltage, Thermocouple	Yes	Yes	
DL405	8 - 3,584 8 - 3,584	**Modular Base**	AC or DC	3	4-8	1-3	Yes	100kHz	25kHz	Current, Voltage, RTD, Thermocouple	Yes	Yes	

... PLC PRODUCTS

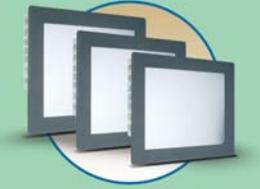|		
ZipLink PLC Wiring System	• Plug-in termination • Fuse, relay, and communications breakout terminals and cables	
Terminator I/O	• Field termination I/O, AC & DC supplied, up to 16 modules per node • Ethernet 10/100 Mbit (TCP/IP, Modbus TCP, IPX) • DeviceNet / Profibus / Modbus RTU • Koyo Serial Remote I/O • Analog, thermocouple, RTD, AC, DC, relay output modules, high-speed counter, high-speed pulse output	

PC BASED HMI/CONTROL/CONNECTIVITY SOFTWARE

KEPDirect PLC & EBC OPC/DDE Server	• PLC OPC/DDE server • Ethernet I/O OPC/DDE server	
DataNet OPC Software ————	Uses OPC technology to display data from an industrial device (such as a PLC) on any Web browser; dynamic color monitoring gives instant access from any computer on the Web	
DataWorx Software ————	Access industrial data over Ethernet networks with Report-by-Exception technology; log your data to a comma or tab delimited file and archive to a directory for management	
DataLynx Software ————	Poll your remote, Modbus enabled device over phone lines using off-the-shelf modems, no SCADA system or third-party software required	
Think & Do Live! PC Control Software	• Flowchart logic • Integrated motion and vision control • Integrated HMI • Common tag database • OPC client and server • 64 PID loops • Productivity analysis tools • Multi-dimensional arrays • SQL interface • Ethernet and field bus I/O drivers	
LookoutDirect HMI/SCADA Software	• PC-based HMI/SCADA software • Local and distributed alarming • High-speed event driven processing • Supports most popular PLCs • Bumpless runtime editing • OPC client/server • Real-time and historical trending • Integrated graphics library • Easy-to-configure datalogging • Browse and select networking • Advanced security capabilities	

OPERATOR INTERFACES ...

C-more PLC Touchscreens	• Vivid TFT panels with 65,536 colors (6, 8, 10, 12 and 15-inch models) • Cost-conscious STN panels with grayscale or 256 colors (6-inch models) • Analog touch overlay • 10MB project memory on 6 to 10-inch units; 40MB project space on 12 and 15-inch units • Serial RS232, RS422/485 and Ethernet 10/100BaseT communications • 4,000 built-in symbols and 10 typefaces with hundreds of font sizes • PID faceplate, trending, alarming and recipe abilities • Built-in FTP server, e-mail client and Web server	
C-more Micro-Graphic Operator Panels	• Text/graphical panels with 3-inch screen, and 5 function keys with LED indicators • Touch or non-touch models; regular and high-contrast screen models • Optional snap-on keypads • 768 Kb project memory	

... OPERATOR INTERFACES

Atlas™ Industrial/Touchscreen Monitors	• Heavy duty industrial monitors from 15" to 19" • Resistive touchscreens (with or without) • UL and CE
Optimate Text Panels	• Text display • Annunciator panels • Serial Drivers - *Direct*LOGIC, Allen Bradley

DRIVES/MOTORS/MOTOR CONTROLS/MOTION ...

GS and DURApulse Series AC Drives	• Variable frequency drives from 0.25 to 100 HP • 115, 230, 460 and 575 volt versions • Volts/Hz • Sensorless vector control available
Hitachi AC Drives	• Flux vector variable frequency drives from 0.25 to 30 HP • 230 and 460 volt versions
Motor Controls and Contactors	• Full line of Fuji Electric IEC rated contactors, overloads, manual motor starters and accessories up to 300 HP • Cutler-Hammer Freedom Series IEC contractors and starters
IronHorse™ General Purpose AC Motors	• 56C frame rolled steel, from 0.33 to 2 hp, 115/208-230V • T-frame cast iron, from 1 to 300 hp, 208-230/460V • Motor slide bases

Marathon® Inverter Duty Motors	• Marathon MAX series inverter and vector duty motors from 0.25 to 100 HP
	• Available with encoder feedback options
	• 230, 460 and 575 volt models available
	   • **microMax**® (1/4 - 10HP)
	   • **BlackMax**® (1/4 - 30HP)
	   • **BlueChip XRI**® (40 - 100HP) - Premium Efficiency
	   • **BlueMax**® **2000** (40 - 100HP)

SureStep Stepper Systems	• Microstepping drive to 10,000 steps per revolution • Open loop stepping • Motors, drives and power supplies available • Holding torque from 83 Oz/In to 434 Oz/In

... DRIVES/MOTORS/MOTOR CONTROLS/MOTION

SureServo™ Drives & Motors	• AC Servo systems ranging from 100W to 3kW and 230V single/3 phase • Standard cable sets are available from 10-100 ft. • 3 Tuning Modes: Manual, adaptive auto-tune, and adaptive easy-tune modes • Control modes include position, speed, and torque • Drives have on board indexer & built-in RS-232/422/485 Modbus communications

PANEL BUILDING PRODUCTS

Hubbell-Wiegmann Enclosures	• Carbon steel • Stainless steel • Non-metallic • Control, operator and disconnect enclosures • NEMA 1, 3R, 4, 4X, 4/12, and 12 ratings • Full line of accessories
Pilot Devices **Foot Switches**	• 22 mm metal pilot devices • Cutler-Hammer 22 mm and 30 mm pilot devices & stacklights • Includes pushbuttons, indicators, selector switches, toggle switches and accessories • Single and double foot switches
DINnector Terminal Blocks **Hookup Wire**	• Single, double, and triple level terminal blocks and fuse holders in a variety of colors • Screw terminal or screwless clamp • 10 to 18 gauge MTW, 4 to 14 gauge THHN, 16 to 18 gauge TFFN • All in a variety of colors
Wire Duct and Flexible Tubing	• Standard or thin-finger rigid wire duct • Flexible duct also available • Spiral wrap - 1/2 to 4 inch diameter, natural or white • I-Flex liquid-tight tubing

POWER PRODUCTS ...

MCCBs (Molded Case Circuit Breakers)	• UL489 Listed • G, F, K and L frame sizes • Rotary handle or flex shaft for external access • 15 to 600 amp range
Disconnects **Load Switches** **Supplementary Protectors**	• Ferraz non-fusible, handles up to 800A loads • Ferraz fusible, handles up to 200A loads • High breaking capacity (AC 22A - AC 23A) • Double break contacts • Current limiting design provides fast short circuit interruption • Thermal magnetic overcurrent protection • 1, 2 and 3-pole models
Fuses **Fuse Holders & Fuse Blocks**	• Branch circuit rated for 600 VAC with compact dimensions • Fast-acting or time-delay designs • Metal, glass and ceramic models available • Multiple pole configurations with finger-safe protection • Optional 'open-fuse' indication

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... POWER PRODUCTS

DC Power Supplies	• 12 and 24 volt DC switching power supplies • 20 to 600 watt capacities • Metal or plastic enclosures • DIN rail or panel mountable
DC-DC Converters	• 4 models, with input ranges of 9.5 to 18 VDC and 18 to 75 VDC; 5, 12 and 24V adjustable output ranges
Control Transformers	**Hammond Imperator Series** • 50VA to 1kVA • 50/60 Hz, 600V

SENSORS/ENCODERS

Presence Sensors	• Inductive • Photoelectric • Capacitive • Ultrasonic • Fiber optic • Light screens
Limit Switches	• Heavy duty IEC • Double-Insulated (PBT)
Encoders	• Light, medium, and heavy duty • 6 mm/8 mm/10 mm shafts • Incremental and absolute, solid and hollow shafts
Process and Instrumentation	• AcuAMP current switches and transducers • ProSense pressure switches and transmitters

CONTROL COMPONENTS

Process Controls	• SOLO and other process controllers, from simple on/off control to full PID • Signal conditioners for mA, voltage, RTD, and thermocouples
Relays	• General purpose industrial relays in cube, card and solid state models • Timer Relays (Digital, 1/16 DIN, mini-DIN)

COMMUNICATION PRODUCTS

Communication Products	• Serial and Ethernet radio modems • Standard telephone modems • RS-232 to RS-422/485 converters • Industrial Ethernet switches • USB to RS-232 converter

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