



WHAT'S UP WITH **AUTOMATIONDIRECT**.com

2011 SPRING

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- Safety Switches and Light Curtains
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- Thermocouples and RTDs & much more...

Give us your 2 cents!

AutomationDirect's Customer Forum has been a huge success over the last 10 years, now with over 20,000 active members. Here's where customers help each other with questions on just about any product or application topic, and there's almost always an answer or advice forthcoming. Our newest customer forum category, Give Us Your 2 Cents, is the place to provide feedback and make requests on anything from Web seminar topics to Web store features to new product features. You'll have opportunities to participate in brief surveys, provide application story ideas and answer occasional questions.

Visit: <http://forum.automationdirect.com> and look for the "Give Us Your 2 Cents" forum. We're listening!

- The AutomationDirect Team

1-800-633-0405 | WWW.AUTOMATIONDIRECT.COM

ACUAMP® DC CURRENT SENSORS & AC CURRENT INDICATOR

starting at:
\$90

The new AcuAMP DCT series of DC current sensors is a family of high-performance transducers offering outstanding features, flexibility, and durability at an incredible price.

- Transducers combine a Hall Effect sensor and signal conditioner in a single package for use in DC current applications up to 400A.
- 4 to 20 mA or +/-10 VDC bidirectional output models
- Available in split-core or fixed-core enclosures

AcuAMP DCS100 series current switches have multiple input ranges (set by movable jumpers) for maximum flexibility across many current ratings.

- Switches combine a Hall effect sensor, signal conditioner and a limit alarm in a single package
- Outputs are available in isolated Normally Open solid state and in Single Pole Double Throw (SPDT) relay configurations
- Solid-core case configuration



The AcuAMP AC Current Indicator is a small, inexpensive, simple LED ring which slides over a conductor to give a flashing indication of current flow.

- Ideal for use in control panels to verify current flow
- Cost-effective way to detect live conductors and see that current is flowing to fans, heaters, pumps, lighting or other powered devices
- Priced at \$12



www.automationdirect.com/current-sensors

ACUAMP GROUND FAULT SENSORS

starting at:
\$136



AcuAMP Ground Fault Sensors help protect people, products, and processes from damage that can be caused by ground fault conditions.

- Good design practice and code require that all AC power systems be grounded. GFS series ground fault sensors are designed to work on grounded AC power systems.
- This sensor monitors all current carrying conductors in grounded single and three-phase delta or wye systems.
- GFS series ground fault sensors offer jumper-selectable setpoints of 5, 10 or 30 mA. This series is available in fixed-core models only.
- Mechanical relay outputs with Auto or Manual reset

www.automationdirect.com/ground-fault-sensors

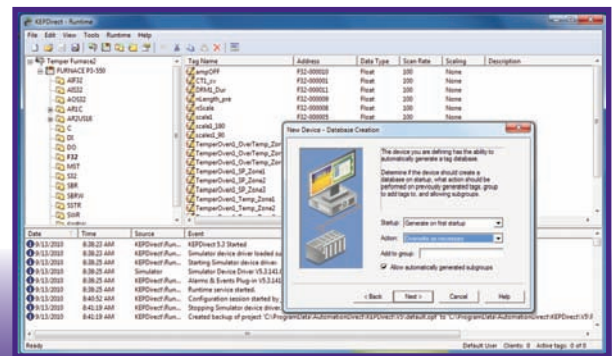
KEDIRECT OPC SERVER SOFTWARE

\$399

The new KEPDirect OPC Server software provides a way to connect your favorite Windows-based HMI or SCADA software to AutomationDirect communication-enabled devices such as programmable controllers, remote I/O and variable frequency drives (VFDs). Design a low-cost data acquisition/monitoring system using affordable AutomationDirect control devices.



- Any industrial HMI, SCADA, data historian, MES or ERP software package that includes an OPC client interface can connect directly to:
 - DirectLOGIC PLC serial or Ethernet ports
 - Productivity3000 PAC
 - DL205, DL405, Terminator Ethernet I/O
 - DURApulse AC drives and GS series AC drives via GS-EDRV module.
- OPC Quick Client application included for testing and easy troubleshooting
- Automatically generate tag names by importing DirectSOFT project Nicknames and Descriptions or Productivity3000 Tag database



www.automationdirect.com/kepdirect

SAFETY RELAYS

starting at:
\$88

Safety relays are coils and contacts that are designed to be positively driven and assure reliable opening and closing for machine safety applications. The Dold Safety Relay Modules consist of safety relays that are controlled by a built-in monitoring function. All the products house the same safety relay, but have different monitoring and interfacing specific for an application. Each application group offers variations in operating voltage (24VDC; 110 or 230VAC) and output contact configurations.

- Single and dual channel safety relays for E-stop and safety gate applications
- Two-hand Control units for positive protection
- Light curtain controller modules are used in conjunction with light curtains for monitoring/control
- All units are RoHS, CE, UL listed, and tested by TUV for compliance



www.automationdirect.com/safety-relays

COMPACT FUSIBLE SWITCHES

starting at:
\$18

The Gladiator® series of UL 98 and UL 508 compact fusible disconnect switches are suitable for feeder and branch circuit protection.

- UL 98 models utilize Class CC fuses
- UL 508 models utilize Midget class fuses
- Up to 30A, with open fuse indication
- Lockout/Tagout capability
- DIN rail mount



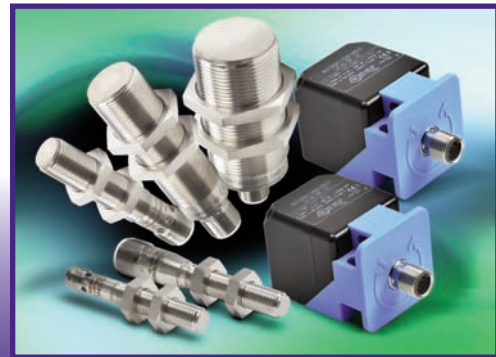
www.automationdirect.com/circuit-protection

METAL/RECTANGULAR SENSORS

starting at:
\$39

New rectangular and metal face proximity sensors have been added to satisfy a wider range of applications.

- LF series 40x40mm plastic series includes 2 shielded and 2 unshielded models; 5-position face, rotating and locking M12 connector; sensing ranges up to 35mm
- Metal face sensors include 8mm, 18mm and 30mm models with PNP discrete output; up to 10mm sensing distance



www.automationdirect.com/sensors

NITRA COMPACT CYLINDERS, TUBING, AND HOSE

starting at:
\$33

The NITRA line now includes the C-series of compact stainless steel, round body pneumatic cylinders.

- Type 304 stainless steel with anodized aluminum alloy heads
- Double-acting
- 9/16 inch to 3 inch bores
- Stroke lengths from 0.25 inch to 4 inches
- Optional clevis brackets and rod eyes available
- Two-year warranty



New tubing colors and styles, and a new line of hoses are now available.

starting at:
\$4.50



- Straight polyurethane (PUR) tubing starting at \$10.25 (100 ft. package)
- Straight Nylon 12 tubing starting at \$10 (100 ft. package)
- Straight bonded PUR tubing, in 5/32-inch to 1/2-inch and 4mm to 12mm sizes, starting at \$13 (50 ft. package)
- Coiled polyurethane tubing, in single, double and triple bonded styles, starting at \$4.50 (2.2 ft. package)
- Reinforced straight hose starting at \$11.50 (25 ft. package)
- Coiled hose in 8, 12 and 16-foot working lengths, starting at \$12.50
- Reinforced coiled hose in 8, 12 and 16-foot working lengths, starting at \$23

www.automationdirect.com/pneumatic-parts

FULL FEATURED SOFT STARTERS

starting at:
\$769

Stellar SR44 soft starters can be used for motor reversing, with external contactors, and can be connected "in-delta", allowing for use of a smaller soft starter.

- 9A to 370A rated current versions @ 230-460V
- Fully digital, use thyristors in all three AC motor phases for controlled reduced voltage motor starting and stopping
- Built-in "Optimizing" mode that reduces energy costs when used on lightly loaded and oversized AC motors



www.automationdirect.com/soft-starters

LIGHT CURTAINS/SAFETY SWITCHES

various

The YBB-14 series light curtains provide finger or hand protection. Send/receiver pairs start at \$525.

- Protective height:
 - 14mm resolution - from 142mm to 1045mm
 - 30mm resolution - from 279mm to 1827mm
- Operating distance:
 - 14mm resolution - up to 3.5m
 - 30mm resolution - up to 12m

Safety switches are available in tongue key, shaft hinge, lever hinge and cable-pull styles, starting at \$15.



www.automationdirect.com/safety

IP69K RATED SENSORS

starting at:
\$35

AutomationDirect's new line of food and beverage sensor products are rated for harsh duty applications.

- 12mm, 18mm and 30mm DC proximity sensors with M12 quick-disconnect plugs
- 18mm and 30mm series proximity sensors with half-inch micro AC quick-disconnect plugs
- 12 and 18mm magnetic proximity sensors
- 18mm photoelectric sensors
- IP69K sensor cables in five- and 10-meter lengths



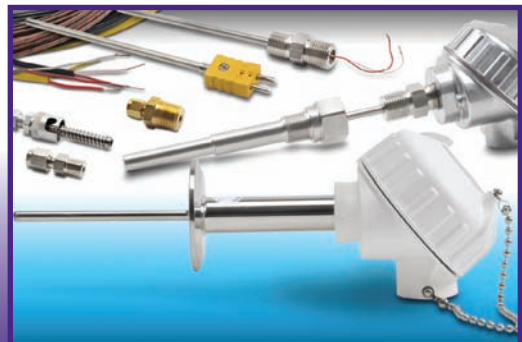
www.automationdirect.com/food-beverage-sensors

THERMOCOUPLES AND RTDS

starting at:
\$16

ProSense thermocouple and RTD sensors are available pre-assembled and ready to ship.

- Thermocouple probes in styles with connection heads, hex nipples, attached plug and lead wire transition; J and K types available
- RTD (PT100) probes in styles with connection heads, hex nipples, attached plug and lead wire transition
- Thermowells for RTDs and thermocouples
- Thermocouple and RTD extension wire, in 50 and 100-foot lengths



www.automationdirect.com/temp-sensors

NITRA AIR PREP AND VALVES

starting at:
\$11.25

NITRA pneumatic air FRLs are available in 1/8 to 1-inch NPT female port sizes; modular design allows stand-alone applications or easy field assembly for combining the NITRA air preparation components.

NITRA pneumatic directional control solenoid valves are available in either 24VDC or 120VAC control voltages.



www.automationdirect.com/pneumatic-parts

ENCLOSURE AIR CONDITIONERS

starting at:
\$1099

Stratus™ air conditioners offer closed loop control and fit enclosures as shallow as 12 inches.

- For NEMA 12, 4, 4X enclosures in 1,000 to 8,000 BTU capacities
- CFC-free refrigerant
- Digital LED temperature controller
- Active condensate evaporation system
- Pre-wired for external alarm monitoring



www.automationdirect.com/enclosure-air-conditioners

CLICK STANDARD CPUS

starting at:
\$99

Four new CLICK Standard CPUs all include three communication ports (two RS232 and one RS485), real time clock and battery backup for internal SRAM.

- 8 DC In / 6 DC Out (sinking or sourcing output models) (\$99)
- 8 DC In / 6 Relay Out (\$109)
- 8 AC In / 6 Relay Out (\$109)



www.automationdirect.com/click-plc

4-INCH C-MORE MICRO PANEL

starting at:
\$329

The 4-inch panel C-more Micro panel features a 32K color TFT touch screen display with LED backlighting and 320 x 240 resolution, and five function keys with LED indicators. The unit supports 3.2MB memory, a USB programming port, serial communication port, and enhanced objects and graphics. FREE configuration software.



www.automationdirect.com/C-more-micro

CLASS T FUSES

starting at:
\$6.50
in 10-pack.

The TJN series 300VAC and TJS series 600VAC fuses are available in 1-600A sizes in a compact, space-saving design.

- Industry standard extremely fast-acting, single element
- No intentional time delay
- Ideal as main fuse protection for panel boards, load centers, meter stacks and drives



www.automationdirect.com/fuses

MANUAL MOTOR CONTROLLERS

starting at:
\$21.50

Bryant motor controllers are UL listed as "suitable as motor disconnects".

- AC toggle switches, enclosed toggle controllers, and enclosed rotary switch controllers
- 600VAC, 2 and 3-pole, up to 60A
- Lockout/Tagout capability



www.automationdirect.com/manual-motor-controllers

RHINO POWER SUPPLIES

starting at:
\$19.75

The RHINO line of DC power supplies now includes low-cost panel and DIN rail mounted supplies for applications requiring basic DC voltage power supplies. Both series have overload, overvoltage, and thermal protection. Encapsulated power supplies are also now available.



www.automationdirect.com/power

UL 489 MINI CIRCUIT BREAKERS

starting at:
\$16.50

The new Eaton WMZT series of UL 489 miniature circuit breakers offer optimum and efficient protection of feeder, branch and control circuits.

- 0.5 to 40 amps
- C and D curves
- Single, double and triple-pole
- Also suitable for reverse-feed applications



www.automationdirect.com/mini-circuit-breakers

AutomationDirect 3D models make debut

AutomationDirect now has 3D CAD models available through TraceParts, an online provider of 2D drawings and 3D models. Customers can find the 3D models by going to www.tracepartsonline.net and selecting the "AutomationDirect" listing. There are also direct links to the models from the item level pages on the AutomationDirect Web store. We will continue to maintain our libraries of 2D CAD drawings on our store site as well for the foreseeable future.



The TraceParts Online CAD portal is freely available to millions of CAD users worldwide, offering a convenient way to download 3D models in the most popular file formats. This initial launch includes 128 part numbers covering CLICK and Productivity3000 controllers, C-More micro operator panels, PSP24 power supplies, and GH Series motor contactors and overloads.

We will continue to add 3D models on a monthly basis as new files are completed. Visit www.tracepartsonline.net to view the complete list of models, and begin downloading at will!

Kickstart videos give quick overviews of new products

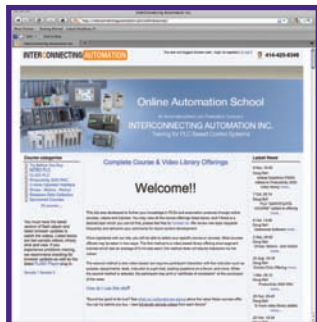
Now you can watch short videos covering the newest product releases. Our new "KICKSTART" videos can be found on our Learn site and on our YouTube channel. Check out overview videos on products such as our new compact air cylinders, coiled air hoses, compact fusible switches and more.



Visit <http://learn.automationdirect.com> and look for the Kickstart tab along the top. Or, go to www.youtube.com/automationdirect, where you can subscribe to our YouTube channel and leave comments on each video.

Interconnecting Automation adds DirectLOGIC PLC video training library

Many have taken advantage of the online training courses Doug Bell hosts on AutomationDirect products. His newest series is an in-depth look at DirectLOGIC® PLC series components. The library offers more than 60 tutorials which last an average of 8 minutes each. Topics include inputs, outputs, programming instructions and more. This course includes access to all "Intro to PLC 101" videos; unlimited access for 30 days with your paid subscription is \$39.95.



Visit: www.interconnectingautomation.com to learn more about the courses offered, view sample videos and for complete course pricing.

automationtalk

Upcoming Webinars

WIRING SOLUTIONS

April 27, 2011
2:00 pm EST

In this 30 minute session we cover the various wiring solutions AutomationDirect offers, including wire, cable ties and wire duct. You may be surprised to find that our prices on these commodity items are hard to beat. We will discuss where to find more information on the products and wrap up with questions from our audience.

NEW PRODUCTS

May 11, 2011
2:00 pm EST

AutomationDirect continues to add many new product lines for 2011. So far we have added over 400 new part numbers. Join us while we show you all of the new products and how they can save you time and money. We will take questions from our audience at the end of the 30 minute live show.

DIRECTSOFT5 ADVANCED I

June 8, 2011
2:00 pm EST

In this 40 minute show we cover advanced programming techniques and instructions for our well known DirectLOGIC PLC programming software, DirectSOFT. We will have working demos with program examples. We will show you where you can get your FREE version of DirectSOFT5 to start programming. We host a live question and answer session at the end of the show.

Sign up at
www.AutomationTalk.com