



WHAT'S UP WITH



2010 SUMMER

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Back to school, or at least to learning!

If it's been a while since you visited <http://learn.automationdirect.com>, check out the new navigation that makes it easier to find your topics of interest. The product categories are organized with "folders" that contain individual topics and/or multi-part series. We've also added a Featured Video section to the homepage, where currently you can watch a clip showing how easy it is to set up and have the new Productivity3000 controller ready to program in about five minutes. You'll also find a list of our latest short three-to-five minute tutorial videos on an assortment of topics, as well as links to our new podcasts and much more.

- The AutomationDirect Team

P.S. Tweet tweet! See page 7 for details on our new Twitter thread!



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

RHINO ENCAPSULATED POWER SUPPLIES

starting at
\$49.50

RHINO PSE series are rugged AC-DC power supplies (switch mode) encapsulated in an ultra-compact, low profile housing. These mini power supplies are ideal for space limited applications. The supply is easily screw mounted to a panel or equipment chassis, or it can be DIN rail mounted using an optional DIN rail mounting kit. The PSE series supplies feature a universal input from 85-264 VAC with single or dual outputs from 15 watts up to 60 watts (above 30 watt, single output only). These reliable DC power supplies are particularly suited for use in computer rooms, hand-held machine tools, and aircraft and military applications.

- Available in 5V, 12V, 15V and 24V DC single output and +/-12 VDC and +/-15 VDC dual output versions
- Universal 85-264 VAC, 47-440 Hz input (50 and 60 watt versions are 47-63 Hz)
- Double-insulated with no external ground required
- Provides both short circuit and overload protection
- Panel mountable or DIN rail mountable with optional DIN rail adapter kit
- RoHS compliant, UL and cUL listed
- 3-year warranty



RHINO LOW-COST 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.

The panel-mount PSS Series features include:

- Universal AC or DC inputs
- Output voltages of 12 and 24 VDC from 35 to 100 watts
- Rugged aluminum housing
- UL recognized, CE marked and RoHS compliant

The DIN rail-mount PSB Series features include:

- Universal single- and three-phase input
- Output voltages of 12 and 24 VDC from 15 to 480 watts
- UL 508 listed, UL 60950 recognized, CSA certified, CE marked, RoHS compliant
- 3-year warranty



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.

- Sizes from 0.5 to 40 amps available
- C and D curve thermal magnetic overcurrent protection characteristics
- Single, double and triple-pole models
- Also suitable for reverse-feed applications
- Accessories include auxiliary and alarm switches, shunt trip, lockout attachments and bus bar systems



www.automationdirect.com/circuit-protection

SMALL-PACK DINNECTORS

various:

Popular terminal blocks and accessories are now available in smaller quantity convenience packs.

- Supplementary protectors now available in single-piece and 20-piece packs
- Euro sockets, with and without LED indicators, for the supplementary protectors now available in 5-piece packs and the standard 50-piece packs
- Grounding terminal blocks that accept six to 10 AWG wire now available in packs of 10 and 50
- DIN rail now in packs of two as well as boxes of 10
- End brackets now available in 10- and 50-piece packs



www.automationdirect.com/dinnectors

MORE PROSENSE RTD PROBES

Starting at:
\$29.00

The ProSense™ process sensor line now includes both 10mm diameter (4-wire) and 0.25-inch diameter (3-wire) RTD temperature probes.

- 100 ohm platinum RTD probes are made of durable 316 stainless steel
- Measure temperatures ranging from -40 to 302°F
- Available in lengths from 160mm to 360mm
- Thermowells and fittings for both diameter probes also available



www.automationdirect.com/temp-sensors

CAT5E ETHERNET CABLES

Starting at:
\$5.00

Now get Cat5e Ethernet patch and crossover cables for your networking needs.

- Designed for industrial use, these cables support up to 1000 Mbps, with a single metal foil shield which wraps around the entire set of four twisted shielded pairs
- Patch cables available in eight colors and in 3 to 50-foot lengths
- Crossover cables in yellow and orange are labeled with "crossover" on both ends
- Robust RJ45 connectors also shielded against electrical interference
- 350 MHz cables exceed all Cat5e TIA/EIA standards



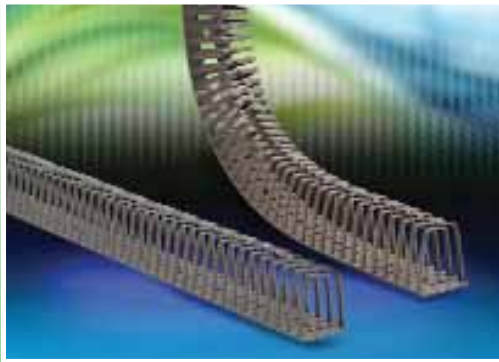
www.automationdirect.com/ethernet

SINGLE-PIECE DINOSAUR DUCT

Starting at:
\$3.75

Dinosaur self-adhesive flexible wire duct ranging from 0.5 x 0.5 inch to 1.5 x 1.5 inch is now available in single-piece quantities or cost-saving multi-piece cartons.

- Gray single piece or in carton sizes from 14 to 24 pieces
- UL 94V-0 flammability rating and CSA approval
- Bends and twists without breaking
- Perforations on the self-adhesive duct also allow for mounting with rivets or on DIN rail



www.automationdirect.com/wire-duct

22MM DEVICE REPLACEMENTS

Starting at:
\$6.00
pack of 5

Illuminated pushbutton replacement operators and replacement pilot light lenses in a variety of colors are now available for 22mm plastic and metal pushbuttons.

- Illuminated operators for momentary and twist-to-release mushroom pushbuttons
- Illuminated flush and extended pushbutton operators
- Pilot light replacement lenses



www.automationdirect.com/pushbuttons-lights

MCCB SAFETY INTERLOCKS

Starting at:
\$159

Type C361 door interlocking safety handles and roller kits for the 3P Series molded case circuit breakers are now available. The safety interlock handles, when connected to the MCCB, secure an SDN series NEMA 12 disconnect enclosure to protect against unauthorized entry while the breaker is in the ON position. The door interlocking safety roller kit is available for enclosures over 36" tall. Handle prices start at \$159.00 and the roller kit is \$35.00.



www.automationdirect.com/mccb

COMM AND DRIVE ACCESSORIES

Starting at:
\$7.00

The USB-485M (\$49.00) is a convenient 2-wire USB to RS-485 serial communication adapter for use with GS drives, SureServo servos, Solo temperature controllers, and CLICK PLCs. The adapter has a Type A (plug) USB connector and a universal female RJ45/RJ12 modular connector that accepts RJ12 and RJ45 plugs. The adapter supports baud rates from 75 to 115.2 kbps and does not require an external power supply or complicated configuration process. The DIN rail adapter plate (GS2-DR02, \$7.00) allows mounting of smaller GS2 drives (up to 3HP) on 35mm DIN rail.



www.automationdirect.com/ac-drives

IRONHORSE DC MOTORS

Starting at:
\$119

1800 RPM IronHorse™ DC motors range in size from 0.33 to 2 hp, with rolled steel 56C-frame construction with cast aluminum end bell and removable base. Non-vented (TENV) and fan-cooled (TEFC) models are available.

- Use on unfiltered SCR (Thyristor) type rectified AC input
- May also be used with PWM (pulse width modulated) type DC adjustable speed drives
- Input power of 115 or 230 volts rectified AC can be used with an appropriate SCR drive (90 or 180 VDC)
- Linear speed/torque characteristics over entire speed range



www.automationdirect.com/dc-motors

WIRING DEVICES

Starting at:
\$6.25

Bryant Electric straight blade and locking electrical wiring devices are suitable for industrial applications. Use with our flexible portable cord for your power wiring needs.

- 15, 20 and 30A straight blade and locking devices, straight blade plugs, connectors and receptacles
- Locking devices include plugs, connectors and receptacles in three configurations: 2-pole/3-wire, 3-pole/4-wire and 4-pole/5-wire



www.automationdirect.com/wiring-devices

HOLE SAWS

Starting at:
\$4.75

Ruko hole saws are multi-purpose, bi-metal hole saws. HSS saws easily cut materials such as unalloyed steel, non-ferrous and light metals, plastics, plasterboard and light building boards, fiberboard, plywood and wood. Cobalt 8 saws, with fine cutting teeth, work well with metals such as alloyed and non-alloyed steels, high chromium alloyed steels, such as stainless steel, non-ferrous and light metals.

- 9/16 to 8-1/4 inch diameters available
- High-speed steel (HSS) or HSS Cobalt 8 (Co8)
- Arbor assemblies available for 7/16 and 3/8 inch shanks



www.automationdirect.com/hole-saws

WINPLC PROGRAMMING PACK **FREE**

Ruggedized PC-based control just got more affordable! AutomationDirect recently cut the price of the Think & Do programming software for the WinPLC processor from \$695 to free. You can download the Think & Do v8.04 Keyless Development Demo package for PC-based control at no cost, which now serves as a WinPLC programming pack. The WinPLC is a Windows CE-based controller that utilizes the DL205 PLC rack/I/O structure to create a PC-PLC hybrid system. The processor includes built-in Ethernet and serial ports, and uses the intuitive flowchart programming of Think & Do. The WinPLC processor is priced at \$789.



www.automationdirect.com/pc-control

POWER DISTRIBUTION BLOCKS

starting at:
\$8.00

HPB series open-style power blocks are a convenient way to manage power distribution needs.

- SCCR rating of 200kA, with proper fusing
- Single and three-pole models, 175A and 310A
- UL listed; meets UL1953 standards



www.automationdirect.com/power-blocks

SUPPLEMENTARY PROTECTORS

starting at
\$8.00

The WMZS line is UL 1077 recognized and used in applications where branch circuit protection is not required or is already provided.

- Single, double and triple-pole models
- B, C and D trip curves available
- 0.5 to 63 amp ratings depending on trip curve



www.automationdirect.com/supp-protectors

C-MORE MICRO 6-INCH COLOR PANEL

starting at
\$399

The new 6-inch panel C-more Micro panel features a 32K color TFT display with LED backlighting and 320 x 240 resolution. The panel has five function keys with LED indicators and supports horizontal or vertical mounting. The TFT panel supports 3.2MB of memory, a USB programming port, and enhanced objects and graphics.



www.automationdirect.com/C-more-micro

SOFT STARTERS

starting at
\$145

Stellar™ SR22 series solid-state soft starters are equipped with three potentiometers allowing adjustable start and stop times.

- 5-40A models @ 208-460V
- 24 VDC control voltage
- Two-phase control
- Internal bypass contacts for Run
- Two standard-size widths



www.automationdirect.com/soft-starters

UNIVERSAL SIGNAL CONDITIONERS

Starting at
\$175

Universal signal conditioners convert, scale, isolate and transmit signals from a wide variety of process sensors and controller I/O.

- Input types supported include mA, VDC, thermocouple, RTD, linear resistance or potentiometer
- Signals converted to isolated current or voltage outputs; model with two relay outputs also available



www.automationdirect.com/signal-conditioners

FUJI ELECTRIC MCCBS

Starting at
\$166

Compact three-pole, non-adjustable magnetic trip MCCBs are suitable for feeder and branch circuits.

- Five frame sizes, rated current for 15 to 800A, max 600V
- Standard type or high-interrupting capacities available in identically sized footprints



www.automationdirect.com/mccb

C-MORE 6-INCH COLOR TFT PANELS

starting at
\$495

These two new color C-more panels offer improved features and lower cost over the previous STN panels.

- Clear TFT 65K color displays
- LED backlight
- Includes one USB Type A and one USB Type B port, serial communication interface



www.automationdirect.com/C-more

PRODUCTIVITY3000 CONTROLLER

Productivity3000 is a modular, rack-based system of up to 115,000 I/O points with local, expansion and remote I/O bases and a full lineup of discrete, analog and specialty I/O modules. The high-performance CPU has 50Mb memory, fast scan times and industry-leading seven communication ports for \$599.



www.productivity3000.com

Follow us on Twitter!

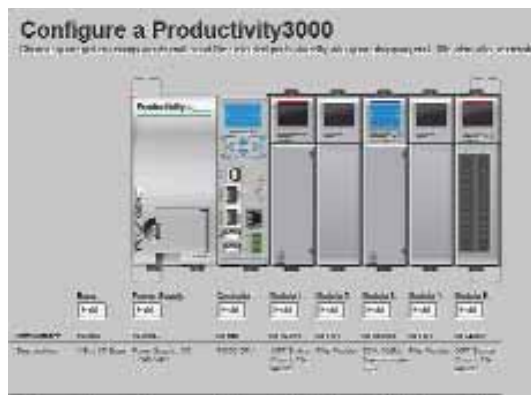
Keep up with all the late-breaking, earth-shaking, ground-quaking news from AutomationDirect. We are trying out a Twitter feed that can help you make the most of the resources our network of Web sites has to offer – new Webinars and video tutorial listings, new product announcements, hot customer forum posts, event interesting industry news and technical articles; as well as more fun stuff like requests for feedback, not-so-technical news and giveaways. Follow us by going to www.twitter.com/automationdirec (no “t” on the end), and see what it’s all about. Or, if you don’t want to bother with a Twitter account and “following”, just visit our Twitter page once in a while (at the URL above) to catch up on recent tweets. And please - feel free to send us a direct message to let us know how we can make it as valuable to you as possible.



Get Productivity3000 systems pre-built using our newest online tool

A new feature on our Web sites lets you order a Productivity3000 controller as an assembled system. You can start at www.aboutplcs.com/P3000/config or on our store item page for a Productivity3000 CPU, power supply or base.

Select the base and components for that base using the slot “EDIT” buttons. The cumulative price for the hardware is shown, along with the total number of inputs and outputs chosen. When the base is completed, use the



“Assemble this for me” link, and the bill of materials and system layout is automatically entered into your store shopping cart. You can then proceed with check-out to have the configured system assembled and shipped.

Notes: An additional assembly charge will apply, calculated based

on the number of components. Assembly lead time of up to one working day applies to the entire order. No 30-day guarantee returns are accepted (warranty issues excepted). See complete details on configurator page at: www.aboutplcs.com/P3000/config.

automationtalk

Upcoming Webinars

MOTION CONTROL WITH PLC

September 1, 2010
2:00pm EST

In this 40 minute session, we show how to do motion control with AutomationDirect’s low-cost stepper motors and Micro PLCs. Get information on what to purchase and how to set it up. See live demos and real world applications and ask questions at the end of the show.

PRODUCTIVITY3000 ADVANCED I

September 15, 2010
2:00pm EST

Join us for 40 minutes where we will share more in-depth programming tips and tricks on our Productivity3000 software. We will cover time-saving suggestions and advanced programming techniques, as well as show some programming examples that are common on simple automation controls. We will offer a live question and answer session at the end of the show.

PRODUCTIVITY3000 OVERVIEW

September 22, 2010
2:00pm EST

This show will feature our newest Automation Controller, the Productivity3000. In this super-charged seminar we will cover all the best features of Productivity3000 in the 40 minute time slot. We will show you where to find more information and how to take advantage of the FREE software. We will offer a live question and answer session at the end of the session.

Sign up at
www.AutomationTalk.com