

VOL 3 ISSUE 9

Spring 2004

Automation Service News

The Newsletter of Delta Automation Inc.

Tech Tip!

Delta Engineers
Discuss
The B200 conversion Connector

Announcing Autem's
PLC Analyzer pro 4 Software

PLC-Analyzer pro 4
Diagnostic tool
Software

Modicon
Trivia Question

NO WINNER YET !!
Correctly Identify
This Part and
Win a Dinner Certificate

Important Info!

Product Review:
Schneiders'
Modbus Plus Super Tap

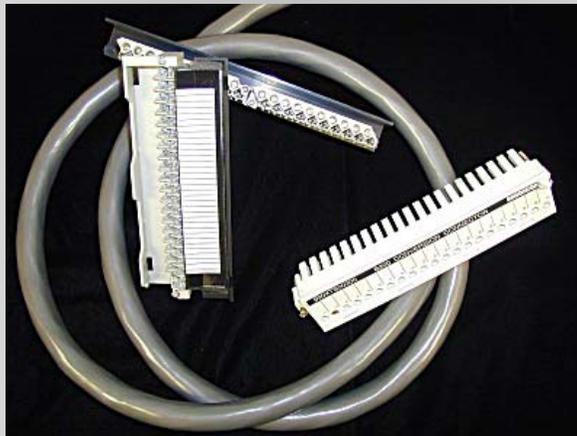
Delta Automation Contact Info

Contact names, numbers and E-mail
addresses

Tech Tip!

Why Delta Automation Engineers like the B200 conversion connector

When a customer decides to upgrade an older Modicon PLC system that utilizes 200 series I/O connected to the field devices and the window of opportunity is short; the B200 conversion connector offers several advantages as the solution. One of the biggest risks in changing the I/O involves the new I/O wiring to the field devices. This is one of the most time consuming parts of the project even if connections only need to go on a terminal strip located in the cabinet. The typical Quantum discrete module has 16 or 32 points in addition to hot and common connections. Once the field wiring has been disturbed, there is no turning back without extreme effort. Using the B200 conversion connector, the Quantum I/O modules can be pre-wired. The changeover is then completed in an orderly manner. The 200 series I/O modules are removed from the B240 or B241 housings and the B200 conversion connector is inserted over the existing connector holding the field wiring for its' respective module. An entire channel can be converted in less than an hour. The real advantage comes in risk reduction since none of the field wiring is disturbed. The other huge benefit comes if the system or process must be restored as the changeover time has expired. It's a simple matter of removing the B200 conversion connectors and replacing the 200 series I/O modules. For the salesperson, these selling features keep the customer using Modicon products. Additionally, the funding can be done one drop at a time, as typically maintenance funding doesn't require the same scrutiny as capitol investment funding for a project. Call Delta Automation, Inc. for a quote on pre-wired cables at 1-888-723-3582.



Announcing Autem's PLC-Analyzer pro 4 Software



PLC-ANALYZER pro 4

Win9x/NT/2000/XP

PLC-Logic analysis in no time ✓

SIMATIC S7 + S5 + PLCSIM
Sinumerik + BOSCH + PILZ
Allen-Bradley + GE Fanuc
Mitsubishi + OMRON
Schneider + Modicon ...

Your partner
in difficult
situations!

SIMATIC S7

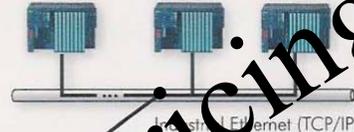
SIMATIC S5



PG-interface

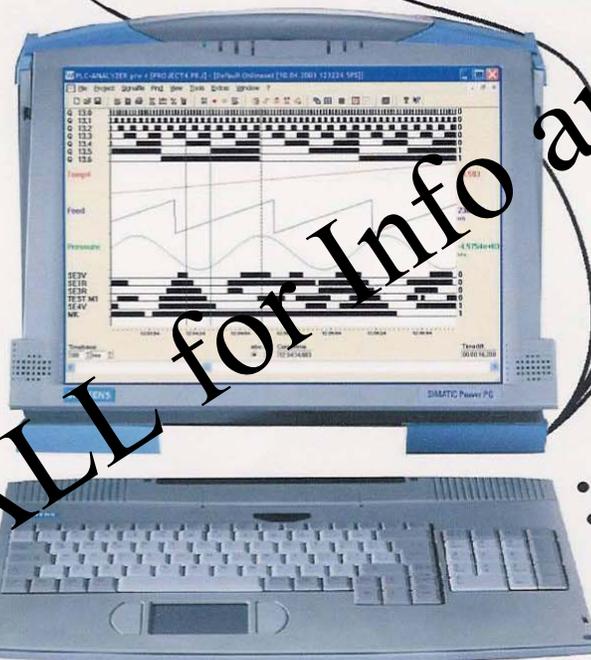


MPI/PPI + PROFIBUS



Industrial Ethernet (TCP/IP)

✦ cycle precise ✦



AD_USB-Box®

I (A)
U (V)
T (°C)

External
measured values
via USB



Mini-PC for
installation in switchgear case
process data recording
remote service

- Failure diagnosis
- Long-term recording
- Cycle-time optimization
- Installation / Service
- System documentation (QA)
- Training

Uses existing PLC connection ✓

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CALL for Info and Pricing!

Modicon Trivia Question

NO WINNERS YET!!!!

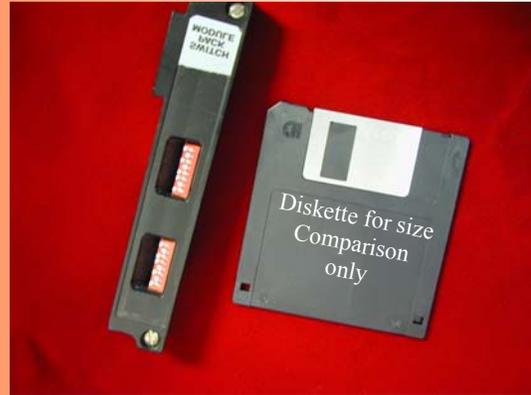
There were many guesses last edition, some good, some ridiculous. However none were correct.

In this edition we will give a couple of hints.

This piece was used in addressing. The most current version of equipment has these switches mounted internally.

It is intended to “integrate families” together.

Again the first two correct replies will win a dinner certificate to an Applebees restaurant.



E-MAIL: PLC@DELTAAUTOMATION.COM

Modbus to Ethernet Bridge

Modbus to Ethernet Bridge 174CEV30020

A solution for plant engineers that have their desktop computers on the company intranet and still have the need to query a Modbus Plus network PLC on the factory floor can do so without having to purchase a Modbus Plus card for their computer. By using the Modbus to Ethernet bridge as a gateway, it is possible to connect their desktop computers to the bridge that is connected to a Modbus port of a bridge-mux or PLC configured for bridge mode and get on the MB+ network. Of course you must configure the hardware and have the proper Modbus cable for connectivity. The Modbus to Ethernet bridge is much cheaper than a Modbus Plus card for a computer, and certainly cheaper than an Ethernet module for the Quantum PLC series.



Important Info

Product Review:

Schneiders' Modbus Plus Super Tap

Recently Delta Automation Inc. Engineers were tasked to evaluate the newest addition to the existing lineage of Modbus Plus Taps, The Super Tap, part number 990 NAD 230 20/21. Delta found that these taps are ruggedly constructed, and have little to no impedance impact upon the cable system. The removable plugs with screw connections and their cable restraining system are a welcome addition. The drop cable shorting/bypass switch is an excellent troubleshooting tool.

However; the removable plug for the RJ-45 programming connection seems somewhat an afterthought. The plug could be easily misplaced. A possible option might be a unit with no provision for programming access. Overall this unit appears to be an excellent choice for a Modbus Plus system.

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For after hours

Emergency Service or Parts

Call our main number 888-723-3582

Extension 55

Leave a message and someone will respond within fifteen minutes to answer your call.

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