

ANDROMAT TODAY

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CONNECTIVITY



"Are you connected?"

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Greetings,

Here we are in the beginnings of a new year. February being the month of *LOVE*, I thought I would discuss connections. No, not the kind between him and her, but connections for communication.

Explore your new world:

The latest version of the Andromat manipulators can be equipped with our newest digital Andromat card. With this equipment, we now have access to all the electrical signals on the manipulator. Any input, output, control, or feedback can now be captured, monitored, and even manipulated.

In addition, the new digital card has onboard communication connection via Profibus or Ethernet. So what are some of the advantages of having the new digital Andromat card?

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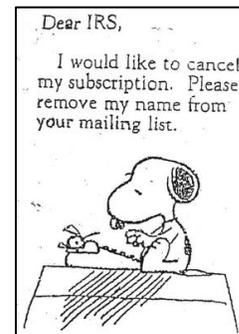
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Tax Day is 18-APR-16

3 extra days!!!



Andromat Today is a quarterly trade publication for discussing Andromat issues important to the end user. Each issue will contain useful tidbits of information as well as any news updates from the company. Look for your issue of *Andromat Today* in your inbox.

Not getting your issue? Submit your email address to service@andromat.com and we'll ensure you are added to the list.

Do you have a topic for *Andromat Today*? Send us what you would like to see and your name could appear in an upcoming issue. Send your requests to service@andromat.com

Remote Monitoring:

Now that all of the electrical signals are being captured through the Andromat card, we have the ability to remotely monitor the data in real time. With the onboard communication protocols coupled with our proprietary software, anyone has the ability to see the real time data from the Andromat card, PLC, or HMI on a PC within the network. Additionally, using either the built in VPN switch or through company provided access, Andromat personnel can also look at the real time data for troubleshooting.

Complete Control:

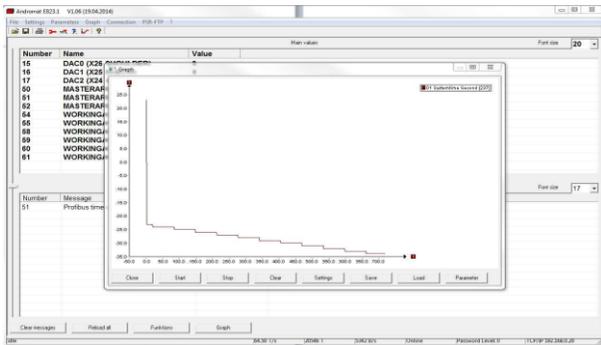
If we can monitor the electrical signals, shouldn't we also be able to tweak them? Yes, yes you can. All of the 200+ set points can be manipulated, though we usually limit ourselves to about 10 or so. Machine speeds, work arm limits, and more can all be adjusted with the digital Andromat card.

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60	DACC1 (K2)	0.000000	mm/min
61	DACC1 (K2)	0.000000	mm/min

Parameters

Troubleshooting:

The new digital card makes troubleshooting much easier. Now you can monitor potentiometer signals, transducer values, as well as signals to and from the servo valves. The software used for monitoring the signals also has graphing capabilities. Up to 10 data points can be applied to a customizable graph. Graphs can then be saved, for comparison with a later graph. Time based maintenance decisions can now be made from the data gathered.



Graphing

Multiple Access Location:

Your PC is not the only location for viewing or adjusting parameters. Through controlled access menus, the parameters can be located within the HMI. Our new hand held remote has a built in LCD screen for monitoring and adjusting parameters while still providing independent control of the three axis of movement. The operational set points can then be saved on a PC, server, on board SD card, or the hand held remote.



Hand held remote

Conclusion:

The new digital Andromat card which is available on new Andromat manipulators, propels us into the 21st century. This leads us to one question:

Is your manipulator “connected”?



For more information, please see our website:
<http://www.andromatusa.com/design.php>