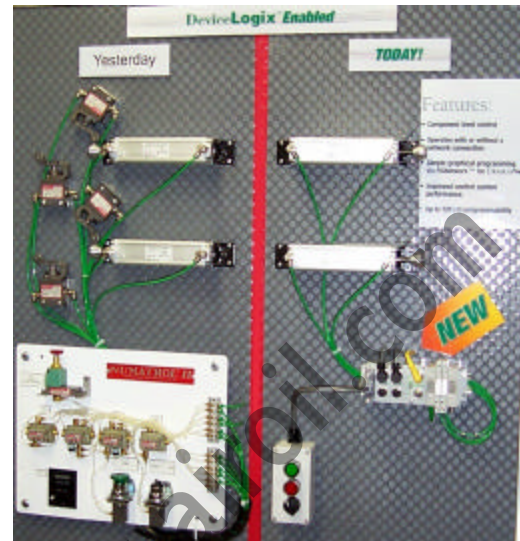


DeviceLogix™ Technology Brings Integrated Control To Pneumatic Manifolds



General

DeviceLogix is a Rockwell Automation technology that allows a DeviceNet node to be programmed to execute a sequence independently from the control of the main PLC/IPC. A DeviceLogix enabled DeviceNet node can be used in conjunction with a standard DeviceNet network, providing simple distributed control functionality. Additionally, it can also be used in a standalone application, without a network connection, to sequence pneumatic valves and control I/O. Numatics has integrated this licensed technology into its DeviceNet compatible valve manifold series, which combine the functionality of a modular pneumatic valve system with integrated I/O.

Application

Ideal for applications requiring DeviceNet with distributed control capability to pneumatic valves and I/O, or with simple standalone (without a DeviceNet network) sequencing operations that have a relative high content of pneumatic valves with some discrete I/O requirements. Examples include replacing air logic circuits for simple control applications, Tube bender control, small repetitive automatic sequencing, etc...

Numatics' modular manifolds feature time proven lapped spool and sleeve valve design allows compact size, 5/2 and 5/3, valves with flows of up to 1.2Cv (1200 L/min).

Programming Features

Programming of the DeviceLogix enabled node is done using the industry standard DeviceNet commissioning software tool RSNetworkx for DeviceNet from Rockwell Automation. The programming environment features an easily understandable graphics environment where the users can simply "drag and drop" logic function blocks (i.e. AND, NAND, OR, NOR, XOR, XNOR, RS LATCHES, COUNTERS and TIMERS) onto a page and interconnect them to develop the required sequence. The programmed sequence is downloaded to the node via the standard DeviceNet communication connection, thus multiple nodes can be programmed simultaneously on the same network. The programmed sequence is saved within the "Project" environment of RSNetworkxs and thus can be recalled for future use.

Advantages

- Eliminates costs of wiring output points to pneumatic valve manifolds and I/O.
- Per point diagnostics decrease troubleshooting time, commissioning costs and machine down-time.
- I/O distribution capability decreases overall system costs by decreasing the number of necessary DeviceNet nodes.
- Modular system allows maximum flexibility for applications.
- Distribution capabilities span across different valve series.
- Programmability allows optimal control possibilities with or without a DeviceNet network connection.

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