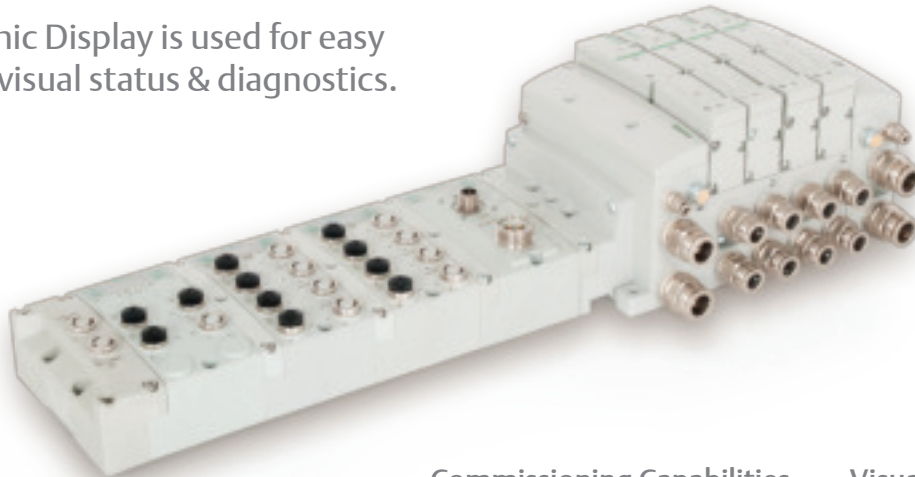Innovative Graphic Display is used for easy commissioning, visual status & diagnostics.

Graphic display for configuration & diagnostics

Auto Recovery Module

Highly Distributable

Easy, Robust Connections

Commissioning Capabilities

- Set network address
  (including IP & Subnet mask for Ethernet)
- Set baud rate
- Set auto or manual I/O sizes
- Set fault/idle output states
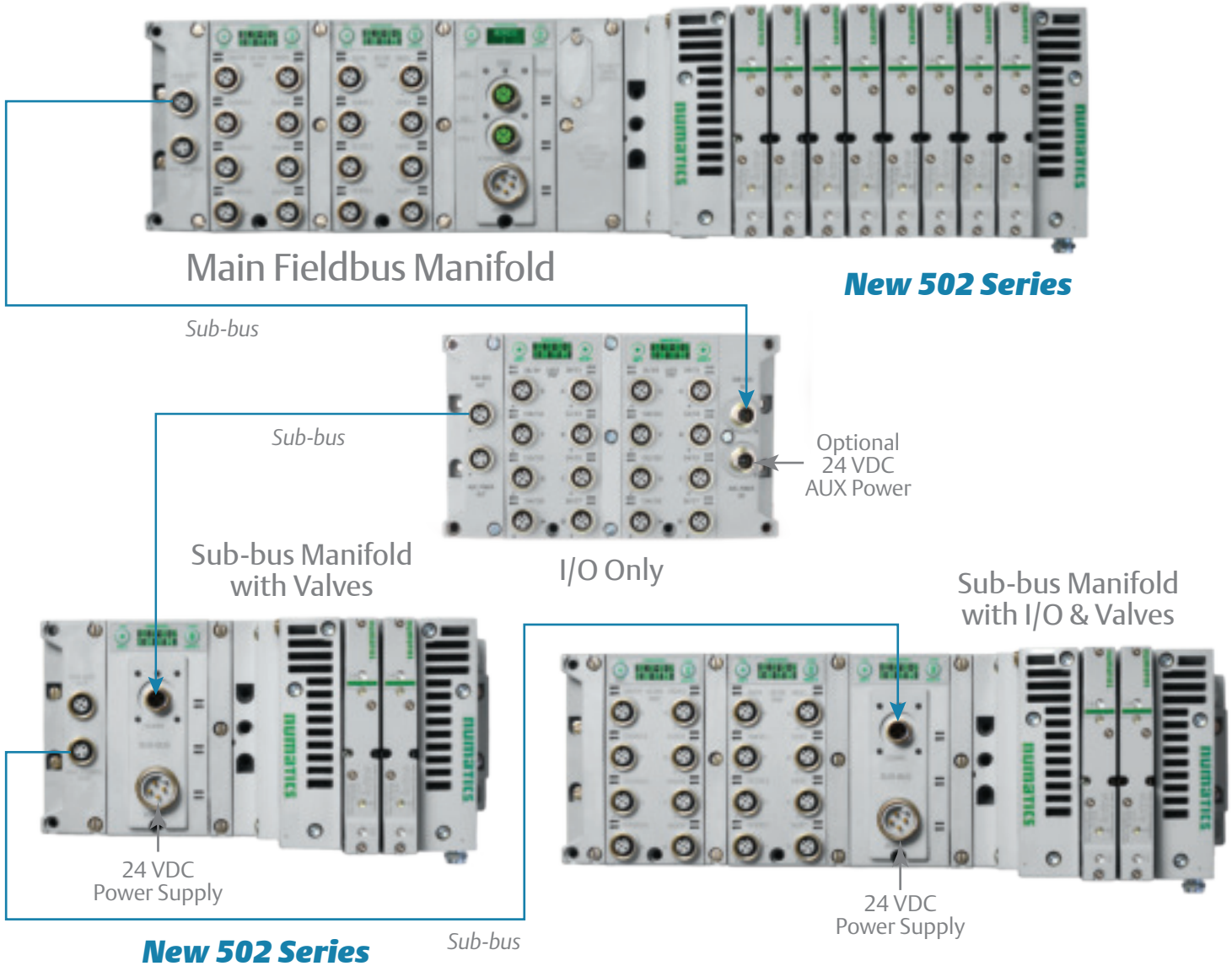- Set brightness
- Set factory defaults

Visual Diagnostics

- Shorted and open load detection
- Shorted sensor/cable detection
- Low & missing power detection
- Missing module detection
- Self-test activation
- Log of network errors
- Distribution errors

Benefits

- SPEEDCON® M12 connector technology allows for fast and efficient ½ turn I/O connector insertion
- Power connector scheme allows output power to be removed while inputs and communication are left active
- IP65/NEMA 4 Protection
- Auto Recovery Module (ARM) protects configuration information during a critical failure
- Novel "clip" design allows easy module removal/replacement without dismantling manifold
- Interfaces to 501, 502, 503, 2002, 2005, 2012, 2035, ISO 15407-2 & ISO 5599/II Valve Series
- Integrated web server with EtherCAT®, EtherNet/IP™, EtherNet/IP™ DLR, Ethernet POWERLINK®, Modbus® TCP/IP, and PROFINET™

Easy, Cost Effective Solutions for Digital I/O and Valve Automation using G3 Electronics.

Main Fieldbus Manifold

New 502 Series

Sub-bus

Sub-bus

Optional
24 VDC
AUX Power

Sub-bus Manifold
with Valves

I/O Only

Sub-bus Manifold
with I/O & Valves

24 VDC
Power Supply

New 502 Series

Sub-bus

24 VDC
Power Supply

Distribution Benefits

- Up to 1,200 Input/1,200 Output capability with one communication node!
- Up to 128 valve solenoids per manifold, up to 17 manifolds per communication node!
- One node supports 16 I/O modules – Analog I/O, Digital I/O (NPN & PNP) and Specialty
- Unique distribution system allows system efficiency by allowing the same modules to be used in either centralized or distributed applications
- Distribution options include:
  -Inputs OR Outputs
  -Inputs AND Outputs
  -Valves with Inputs AND Outputs
  -Valves with Inputs OR Outputs
  -Valves only

Supported Protocols

- CANopen®
- CC-Link IE Field™
- DeviceNet™
- DeviceNet™ w/QuickConnect

- EtherCAT®
- EtherNet/IP™
- Ethernet POWERLINK®
- EtherNet/IP™ DLR w/QuickConnect

- Modbus® TCP/IP
- PROFIBUS™ DP
- PROFINET™

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CANopen is a registered Community trademark of CAN in Automation e.V.
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