



DN115 DeviceNet™ Actuator Controller

The DN115 DeviceNet™ Controller card provides accurate open/close or positioning control of electric motor actuators using the Allen Bradley DeviceNet™ communication bus. DeviceNet™ is a communication network that allows up to 63 field devices to be linked together with a single five-conductor cable. DeviceNet™ is a product of Allen-Bradley and is an open, or non-proprietary, bus network.

Typically, a DeviceNet™ system is used with Allen-Bradley programmable logic controllers. A standard DeviceNet™ Scanner card is installed in the PLC and devices in the field are connected via a drop line to a 5 conductor trunk-line that is then routed to the scanner card.



FEATURES

- Mounts internally in:
RCS actuator models: MAR-10, MAR-50, MAR-90, MAR-100, MAR-160, MAR-250, MAR-800 & all SurePowr models.
Andco actuator models: Eagle, 7000, 8000, QR and QRG.
- Provides open/stop/close or positioning control with position feedback
- Onboard LED indicators facilitates calibration and troubleshooting.
- Automatic calibration: no resistors to add, no jumpers, trimming potentiometers or DIP switches to adjust. Calibration is as simple as pressing a button.
- Field selectable fail options: go open, go close, stay put
- Quick disconnect terminal strips facilitate fast and easy actuator maintenance and troubleshooting.
- Robust power switching components, designed specifically for actuator motors, virtually eliminate field failures.



DN115

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Hardware Specifications

Supply Power:	2W @ 24VDC
Operating Temperature:	-20 – 70 C
Storage Temperature:	-40 – 80 C
Humidity:	90% Non Condensing
Solid State Outputs:	(2) Isolated 600VAC 15A
Digital Inputs:	(8) Dry Contacts
Analog Inputs:	(2) Channels (see below)
Processor:	Temic 89C51CC01
Ram:	1K
Flash:	32K
EEPROM:	32K

Serial Interfaces

One CAN 2.0 port.

Network Communication Protocols

Module supports DeviceNet Group 2 Slave

Analog Inputs Specification

Resolution: 10bit

Accuracy: 1% of FS.

Linearity: 1% of FS.

Temperature Drift: 2% of FS.

Range: 0 to 5V or 0-20mA input for AI1

1-5K Potentiometer for the Position Feedback.

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