Graphite™ Module: DeviceNet™ Protocol

Red Lion Automation Series

red lion®

►►► DeviceNet Protocol Communication

The GMDN plug-in module expands the communication capabilities of our Graphite HMI operator interface panels by seamlessly integrating with DeviceNet networks.

The GMDN DeviceNet communication module provides easy Graphite HMI integration with DeviceNet protocol networks, allowing translation to more than 300 machine protocols. Now users can connect to all their existing DeviceNet equipment on the plant floor saving them costly upgrades. Configure the GMDN module using Red Lion's Crimson® software, which makes setup simple via an intuitive graphical user interface with drag-and-drop functionality.

APPLICATIONS

> Factory Automation

> Manufacturing

> Oil & Gas

PRODUCT HIGHLIGHTS

> Seamless DeviceNet Network Integration

> Communicates with any DeviceNet Master

> Support for over 300 Machine Protocols

> All-in-One Solution

FEATURES & BENEFITS

> DeviceNet Protocol Conversion
  - Easily integrates Graphite Units into DeviceNet protocol networks
  - Communicates with any DeviceNet master
  - Converts between DeviceNet and more than 300 machine protocols

> All-in-One Solution
  - Removes need for external devices and communication gateways
  - Cost-effectively saves space and time

> -40° to 75°C Operating Temperature
  - Reliably works in harsh environments

> Powered from Graphite Host
  - Simplifies deployment by eliminating external power

> Easily Programmed
  - Seamless configuration using Red Lion's Crimson desktop software

industrial automation

CE

POWER

GMDN Max Power: 1.2 W (supplied by Graphite host device)

COMMUNICATION PROPERTIES

DeviceNet Protocol Port:
Software programmable up to 500K baud and digitally isolated.
This port may be configured for various DeviceNet protocols.
Isolation from Graphite host device 1000 VDC for 1 minute

CERTIFICATIONS AND COMPLIANCES

Product Safety:
UL Safety - Class I, Division 2, Groups A, B, C, D , Class II,
Division 2, Groups F and G , Class III Hazardous Locations
CE Approved:
EN 61326-1 to Industrial Locations
IEC/EN 61010-1
RoHS Compliant

ENVIRONMENTAL

Operating Temperature Range: -40° to +75°C
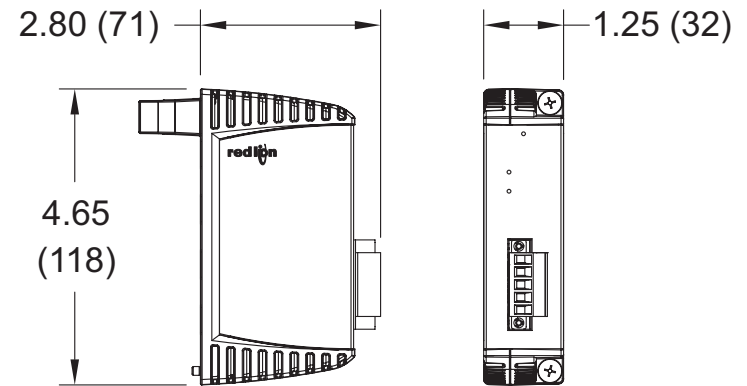Storage Temperature Range: -40° to +80°C
Operating and Storage Humidity: 85% max relative humidity,
non-condensing, from 0° to +50°C
Altitude: Up to 2000 meters

ORDERING GUIDE

PART NUMBER	DESCRIPTION
GMDN0000	Graphite Module, DeviceNet Protocol Interface

DIMENSIONS *In inches (mm)*

2.80 (71)   1.25 (32)

4.65 (118)

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Connect. Monitor. Control.

As the global experts in communication, monitoring and control for industrial automation and networking, Red Lion has been delivering innovative solutions for over forty years. Our automation, Ethernet and cellular M2M technology enables companies worldwide to gain real-time data visibility that drives productivity. Product brands include Red Lion, N-Tron and Sixnet. With headquarters in York, Pennsylvania, the company has offices across the Americas, Asia-Pacific and Europe. Red Lion is part of Spectris plc, the productivity-enhancing instrumentation and controls company. For more information, please visit www.redlion.net.