

# DeviceNet™ Communications Module

Red Lion Automation Series



## ▶▶▶ DeviceNet Protocol Communication

The DeviceNet plug-in module expands the communication capabilities of our select devices by seamlessly integrating with DeviceNet networks.

The CMDN DeviceNet communication module provides easy select Red Lion products integration with DeviceNet protocol networks, allowing translation to and from them. Configure the CMDN module using Red Lion's Crimson® software, which makes setup simple via an intuitive graphical user interface with drag-and-drop functionality.



### APPLICATIONS

- > Automotive
- > Food & Beverage
- > Factory Automation
- > OEM Machine Builders
- > Water/Wastewater

### PRODUCT HIGHLIGHTS

- > Seamless DeviceNet network integration
- > Communicates with any DeviceNet master
- > Communicate with over 300 industrial protocols

### FEATURES & BENEFITS

- > DeviceNet protocol conversion
  - Easily integrates select Red Lion devices into DeviceNet protocol networks
  - Communicates with any DeviceNet master
  - Converts between DeviceNet and more than 300 industrial protocols
- > All-in-one solution
  - Removes need for external devices and communication gateways
  - Cost-effectively saves space and time
- > -10 to 50 °C operating temperature
  - Reliably works in industrial environments
- > Powered from host device
  - Simplifies deployment by eliminating external power
- > Easily Programmed
  - Seamless configuration using Red Lion's Crimson desktop software

industrial

automation



# ▶▶▶ DeviceNet Protocol Communication Module Specifications

## POWER

CRM0 Max Power: 1.2 W (supplied by host device)

## COMMUNICATION PROPERTIES

DeviceNet Protocol Port:

Software programmable up to 500 Kbaud and digitally isolated.

This port may be configured for various DeviceNet protocols.

Isolation from 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: -10 to 50 °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

## COMPATIBLE HOST DEVICES

CR3000 HMIs

DA30D High Performance Data Station

## ORDERING GUIDE

PART NUMBER	DESCRIPTION
CRM000CMDN000000	DeviceNet Protocol Interface

## DIMENSIONS *In inches (mm)*

