CR3000 HMI Module: CAN Protocol

Red Lion Automation Series

red lion ®

►►► CAN Protocol Communication

The CAN plug-in module expands the communication capabilities of our CR3000 HMI operator interface panels by seamlessly integrating with CAN protocol networks.

Red Lion's CAN module provides easy CR3000 HMI integration with CAN protocol networks, allowing for translation of more than 300 different protocols. Configure the CAN 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 CAN network integration

> Support for over 300 different protocols

> All-in-one solution

FEATURES & BENEFITS

> CAN protocol conversion

- Easily integrates CR3000 HMIs into CAN protocol networks
- Converts between CAN and more than 300 different 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 harsh environments

> Powered from CR3000 host

- Simplifies deployment by eliminating external power requirement

> Easily programmed

- Seamless configuration using Red Lion's Crimson desktop software

industrial automation

CE

POWER

CAN Max Power: 1.2 W (supplied by CR3000 host device)

COMMUNICATION PROPERTIES

CAN Protocol Port:
Software programmable up to 1 Mbaud and digitally isolated
124 ohm, 1 W termination provided through switch
Port may be configured for various CAN protocols
Isolation from CR3000 HMI Host
1000 VDC for 1 minute

CERTIFICATIONS AND COMPLIANCES

CE Approved
EN 61326-1 to Industrial Locations
IEC/EN 61010-1
RoHS Compliant

ENVIRONMENTAL

Operating Temperature Range: -10 to 50 °C
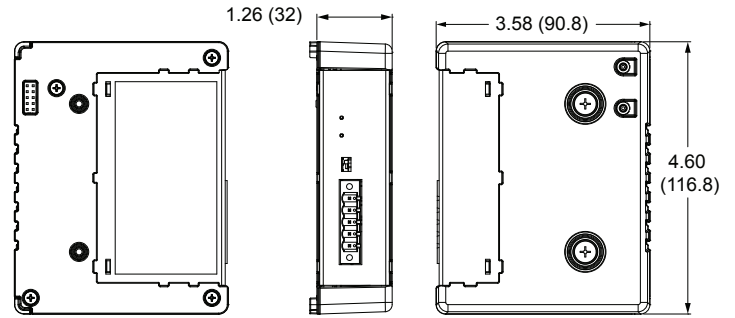Storage Temperature Range: -40 to 85 °C
Operating and Storage Humidity: 85 % max relative humidity,
non-condensing
Altitude: Up to 2000 meters

ORDERING GUIDE

PART NUMBER	DESCRIPTION
CRM000CMCAN00000	CR3000 HMI Module, CAN Protocol Interface

DIMENSIONS *In inches (mm)*

1.26 (32)   3.58 (90.8)   4.60 (116.8)

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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.