

Model CR1000 - Industrial Operator Interface With TFT Display

Installation Guide

- Configured using Crimson® 3.1 and 3.2 software
- Two serial communication ports:
(1 RS-232 and 1 RS-232/422/485)
- 10 Base T/100 Base-TX Ethernet port communicates with up to four protocols simultaneously
- Unit's configuration is stored in non-volatile flash memory
- SD card socket for loading database in field
- Industrial TFT LCD color display
- NEMA 4X/IP66 front panel
- Three front panel LED indicators
- Power unit from 24 $\pm$ 20% VDC
- Resistive analog touchscreen



GENERAL DESCRIPTION

The CR1000 is the perfect solution for applications that require the operator to monitor and control more than just a single device. With two serial ports and an Ethernet port, these HMI displays can connect to multiple serial and Ethernet devices simultaneously, including PLCs, motor drives, bar code scanners, etc.

The CR1000 performs the functions of a multiple protocol converter, using two high-speed serial communications ports and a 10/100 Base-TX Ethernet port. The Ethernet port supports up to four protocols simultaneously, allowing dissimilar Ethernet based products to communicate with one another. The SD card slot can be used to load the unit's configuration file, allowing configuration changes to be made and saved to the card for later transfer.

The CR1000 range of HMIs is programmed with Red Lion's Crimson 3.1 or 3.2 software. Crimson offers easy to use drag and drop communications configuration, while the embedded image library allows the programmer to create intuitive screens and prompts for the operator. The Crimson software is available as a no charge download from Red Lion's website.

SAFETY SUMMARY

All safety related regulations, local codes as well as instructions that appear in this document or on equipment must be observed to ensure personal safety and to prevent damage to either the device or equipment connected to it.

Do not use these products to replace proper safety interlocking. No software-based device (or any other solid-state device) should ever be designed to be responsible for the maintenance of personnel safety or consequential equipment not equipped with safeguards. Red Lion disclaims any responsibility for damages, either direct or consequential, that result from the use of this equipment in a manner not consistent with these specifications.



CAUTION: Risk of Damage
Read complete instructions prior to installation and operation of the unit.

CONTENTS OF PACKAGE

- CR1000 Operator Interface
- Hardware packet and plate for mounting unit into panel
- Terminal block for connecting power
- Panel gasket

ORDERING INFORMATION

MODEL NO.	DESCRIPTION	PART NUMBER
CR1000	4.3" HMI with 2 Serial Ports, 1 Ethernet Port, and USB Device Port	CR100004000000010
	7.0" HMI with 2 Serial Ports, 1 Ethernet Port, and USB Device Port	CR100007000000010
	10.4" HMI with 2 Serial Ports, 1 Ethernet Port, and USB Device Port	CR100010000000010
SD	SD Card ¹	SDxxxxxx
CBL	Communications Cables and Adapter ¹	CBLxxxxxx
FILM	Protective Film for CR1000 04xxxx xxxxxx	GF0FILM04
	Protective Film for CR1000 07xxxx xxxxxx	GF0FILM07
	Protective Film for CR1000 10xxxx xxxxxx	GF0FILM10
CRA000	Adapter Plate from Kadet 7 to CR1000 07"	CRA000AD070700000
	Replacement Battery	CRA000BT3V0000000

¹ Contact your Red Lion distributor or visit our website for selection of SD cards, adapters and cables.

Toro Cr1000 Manual

**General Motors Corporation. GMC
Truck & Coach Division**



Toro Cr1000 Manual:

Toro-flow Diesel Engine General Motors Corporation. GMC Truck & Coach Division,1965
General Motors Corporation. GMC Truck & Coach Division,1966

Maintenance Manual

Reviewing **Toro Cr1000 Manual**: Unlocking the Spellbinding Force of Linguistics

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Table of Contents Toro Cr1000 Manual

1. Understanding the eBook Toro Cr1000 Manual
 - The Rise of Digital Reading Toro Cr1000 Manual
 - Advantages of eBooks Over Traditional Books
2. Identifying Toro Cr1000 Manual
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Toro Cr1000 Manual
 - User-Friendly Interface
4. Exploring eBook Recommendations from Toro Cr1000 Manual
 - Personalized Recommendations
 - Toro Cr1000 Manual User Reviews and Ratings
 - Toro Cr1000 Manual and Bestseller Lists

5. Accessing Toro Cr1000 Manual Free and Paid eBooks
 - Toro Cr1000 Manual Public Domain eBooks
 - Toro Cr1000 Manual eBook Subscription Services
 - Toro Cr1000 Manual Budget-Friendly Options
6. Navigating Toro Cr1000 Manual eBook Formats
 - ePub, PDF, MOBI, and More
 - Toro Cr1000 Manual Compatibility with Devices
 - Toro Cr1000 Manual Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Toro Cr1000 Manual
 - Highlighting and Note-Taking Toro Cr1000 Manual
 - Interactive Elements Toro Cr1000 Manual
8. Staying Engaged with Toro Cr1000 Manual
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Toro Cr1000 Manual
9. Balancing eBooks and Physical Books Toro Cr1000 Manual
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Toro Cr1000 Manual
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Toro Cr1000 Manual
 - Setting Reading Goals Toro Cr1000 Manual
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Toro Cr1000 Manual
 - Fact-Checking eBook Content of Toro Cr1000 Manual
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning

- Utilizing eBooks for Skill Development
- Exploring Educational eBooks

14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

Toro Cr1000 Manual Introduction

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