

Rampart Control Panel



DS-Rampart Rev A1

Designed for high security and vehicle barrier operations.

The Rampart System delivers advanced AES encrypted protection for both new and existing high security vehicle barrier installations. Rampart's CeLAN bus provides secure 128-bit AES encrypted communication between all CeLAN devices connected to the system. Utilizing the CeLAN VBS (Vehicle Barrier System) Module, the system is capable of controlling and monitoring vehicle barrier systems, gate arms, traffic lights and rolling gates. Rampart supports up to 32GB of Micro SD memory that stores up to 233 million events.

Industry's first AES Encrypted VBS processor based control system, modular simple to install and operate

- Simple Touch Screen Operation
- Auto device enrollment
- Centralized VBS module metric storage

Features



- Eight general purpose inputs for security device monitoring
- Supports up to 20 VBS barrier controllers
- Pre-defined input configurations
- Up to 252 definable user codes for system user login/logout option
- 12VDC 5 Amp auxiliary power output
- Dual CeLAN ports, supports up to 100 devices
- 6000 event buffer with time and date stamp
- Field upgradeable software
- Modular design for easy expansion
- CeLAN expansion – Copper, Fiber Optics or TCP/IP
- 5.7" keypad for high security vehicle barrier operation
- All modules have built in tamper inputs for enclosure protection
- High efficiency power supply for CeLAN devices or auxiliary 12VDC devices
- 12 or 24 hour clock display
- User and installer help menus
- Auto daylight savings option
- Dual RS485 data communication port
- Communication network via RS485, fiber or TCP/IP
- Each input capable of reporting the following:
 - Open circuit
 - Short circuit
 - Ground fault high
 - Ground fault low
- Print all system VBS events or selectable via programming
- Real time battery voltage and current readings
- Supports up to 3 back-up batteries (54 Ahr) supervised and charged separately
- Remote power supply option fully supervised AES Encrypted 5A @ 12VDC

Rampart

Specifications

Power Requirements: 24 VAC nominal (16.0 VAC minimum, 35 VAC maximum), Rated output current is only available at 24 VAC or above. Limited output current is available at 16.0 VAC minimum. Operating below 24 VAC Nominal is intended for short term emergency operation only.

Output Power: 10-14 VDC @ 5A Max, 2.5A Standby

Maximum battery charging (standby): 1.5 A

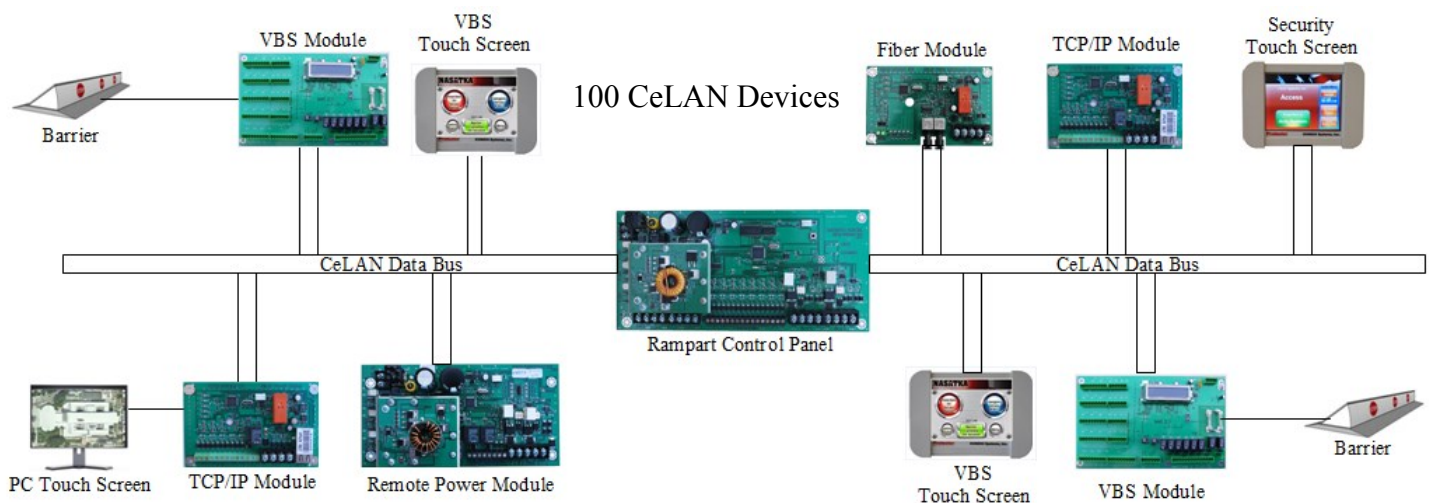
CINCH Stick Port: One (1) - 128 Bit AES Encrypted, CINCH Stick port.

Inputs: Eight supervised, hardwired zones, 3.0 K ohm for security devices and enclosure tamper

Outputs: Two, panel programmable outputs with "Form C" relay contacts (COMMON, N/C, N/O). Relay contacts rated 4A @ 24 VDC, 4A@24VAC, 1A@40VAC maximum.

Operating Temperature: 32° to 120° F (0° to 49° C), up to 140° F (60° C) under temporary conditions

Maximum Humidity: 90% relative humidity



Ordering:

Control Panel

RCU-VBS

Touch Screen

Ce-TS -VBS-N Touch Screen
Ce-TS-P-VBS Plastic Touch Screen

Expansion Modules

Ce-VBS Vehicle Barrier Module

Communication Modules

Ce-FC-N Fiber Conversion
Ce-TCP/IP Network Module
Ce-FC-ER Fiber Conversion

Enclosures

E-R Panel Enclosure
E-R-Kit

Manual Button Controllers

Ce-MBC Manual Barrier Control
Ce-MGC Manual Gate Control
Ce-RCP Remote Control Panel
Ce-MMS Multi Mode Switch

CeLAN Accessories

CO-CSU Cinch Stick
CO-PS2KI Keyboard Module
Ce-EX Expansion Module

Power

ACC-T24V-100 Transformer
ACC-B12-18 18Ahr Battery
ACC-B12-7 7Ahr Battery
ACC-6P Power Cord
E-CB Termination Box

Accessories

ACC-CFC-S Fiber Cable
L-S Standard Panel Lock
ACC-CFC-MM Fiber Cable
S-ET Panel Tamper

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CINCH
AES ENCRYPTED