

# Rampart Control Panel

DS-Rampart Rev A



**Designed for high security and vehicle barrier operations.**

The Rampart RCU-VBS control 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, swing gates and garage doors.

**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 for standardization
- Up to 252 definable user codes for system user login/logout option
- Onboard 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
- CeLAN expansion – Communication Copper, Fiber Optics or TCP/IP
- 5.7" color touchscreen for high security vehicle barrier operation
- All modules have built in tamper inputs for enclosure protection
- Complete metrics tracking, event database, improves performance and reduces costs.
- 12 or 24 hour clock display
- User and installer help menus
- Auto daylight savings option
- Dual redundant fiber configuration option
- Microprocessor based vs. older style PLC control
- Each input capable of reporting the following:
  - Open circuit
  - Short circuit
  - Ground fault
- Print all system VBS events or selectable via programming
- Real time system 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

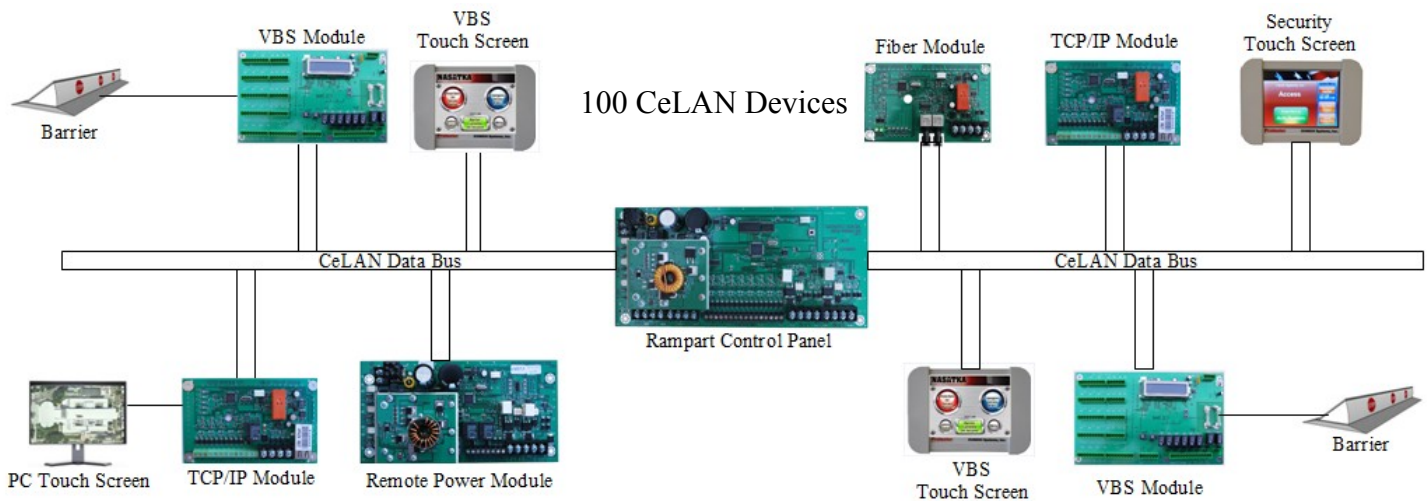
**CINCH Stick Port:** One (1) - 128 Bit AES Encrypted, CINCH

**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 10A @ 24 VDC, 10A@24VAC, 10A@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 Rampart Panel

**Touch Screen**  
Ce-TS -VBS 5.7" Color Touch Screen

**Manual Barrier Control**  
Ce-MBC Button Converter  
Ce-MGC Gate Control converter  
Ce-RCP-SB Remote Barrier Controller Converter

**Expansion Modules**  
Ce-VBS-N Vehicle Barrier Module  
Ce-RP 5 Amp Remote Power supply

**CeLAN Accessories**  
CO-CSU Cinch Stick  
CO-PS2KI Keyboard Module  
Ce-EX Expansion Module

**Communication Modules**  
Ce-FC-N Fiber Conversion  
Ce-TCP/IP Network Module  
Ce-FC-ER Fiber Conversion  
Ce-T422 RS485 to 422 Converter

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

**Enclosures**  
E-R Panel Enclosure  
E-R-Kit  
E-CP Plastic Enclosure  
E-PA-Kit

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