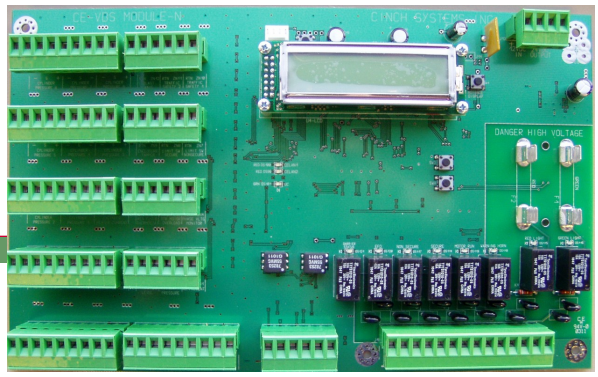
CeLAN Vehicle Barrier System Module

DS-Ce-VBS-N Rev A



The Ce-VBS-N Module provides a microprocessor based link between existing vehicle barrier systems and the Rampart Central Controller. This module's design will allow the end-user to save significant money on maintenance while providing an unparalleled ease of use and security.

The Ce-VBS-N Module allows for barrier command and control connectivity, and also provides for many advanced features designed to reduce the cost of operation by tracking numerous metrics of the system and reporting them to the Rampart Central Control System.

Ce-TS-VBS

The Ce-VBS-N Module has an integrated 2x16 LCD Display to allow for easy service review of over 60 different system metrics. These metrics can also be reviewed on the CeLAN AES Encrypted Receiver – VBS, or using the Rampart remote monitoring software

Features

AES Encrypted CeLAN communications

Analog and supervised digital inputs are available. The supervision of digital inputs is via 3K ohm EOL resistor

Eight Form A relay outputs

12 and 24 VDC outputs for control functions

Redundant CeLAN data ports

Removable terminal strips for simple installations

Multi-level override vs. older master/slave setup

Onboard 2X16 LCD display for reviewing system metrics

Traffic light control—fuse protected

Transient protection on all inputs and outputs

Operational in a stand alone or enterprise mode

Gate input and relay output

5.7" Full color touch screen control for standard operation, or manual button controller options

15, 17" and 21" Computer touch screen options for central command centers

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Specifications

Input Power: 12 VDC nominal (10 VDC minimum, 14 VDC maximum), 500mA maximum (board only)

Output Power: 24VDC or 12VDC

Input Supervision: 3.0K ohm resistor

Outputs: 8 Form A relays rated at 10A @120VAC and 10A @ 30VDC

Board Dimensions: 10.25 (L) X 6.375 (W)

Operating Temperature: 23° to 131° F (-5° to 55° C). Up to 140° F or 60° C under temporary conditions.

Storage Temperature: 23° to 131° F (-5° to 55° C)

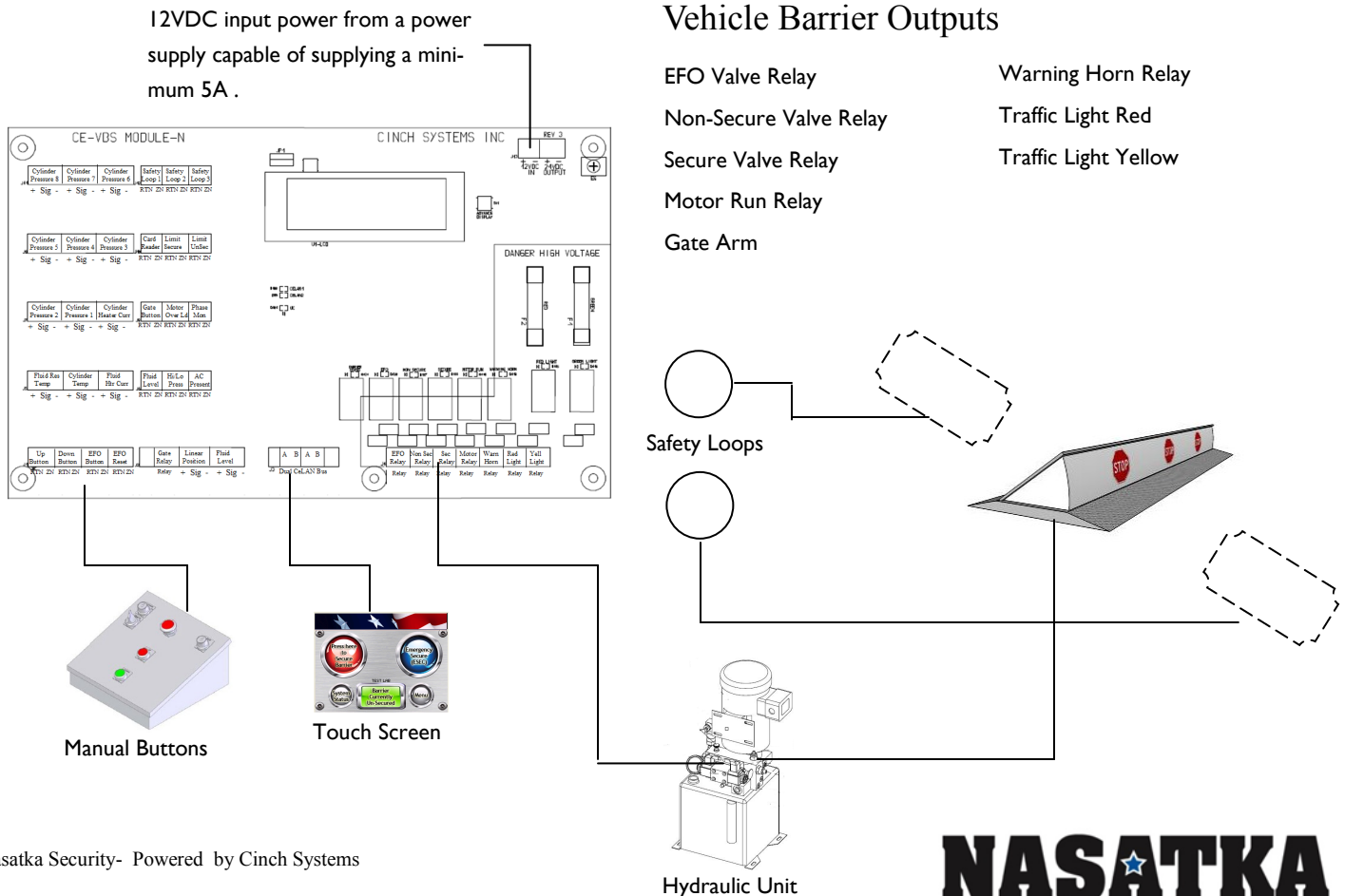
Maximum Humidity: 90% relative humidity, non-condensing

Vehicle Barrier Inputs

Manual EFO Button	Reservoir Fluid Thermostat
Gate Arm	Starter Motor Overload
Card Reader	Phase Voltage Monitor
High/Low Pressure	Fluid Reservoir Temperature
Traffic Safety 1	Cylinder Temperature
Traffic Safety 2	Fluid Reservoir Heater Current
Traffic Safety 3	Fluid Reservoir Level
Manual EFO Reset Button	AC Present
Manual Up Button	Linear Position
Manual Down Button	Fluid Level
Limit Switch Secure	Gate Arm
Limit Switch Nonsecure	Reader Valid
Cylinder Pressure 1-8	Cylinder Heater Current

Vehicle Barrier Outputs

EFO Valve Relay	Warning Horn Relay
Non-Secure Valve Relay	Traffic Light Red
Secure Valve Relay	Traffic Light Yellow
Motor Run Relay	
Gate Arm	



Nasatka Security- Powered by Cinch Systems

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