

MONITEQ, Inc.

Model CC-8521C **Single Door Smart Card** **Access Control System**

- **Keypad, Smart Card, and Smart Card+Keypad operation**
- **Compatible with GSC-IS Smart Cards**
- **Up to 1,000 users**
- **Comprehensive door monitoring and control functions**
- **Audit trail of last 1,000 events**
- **Powers even the largest heavy-duty electric locks**
- **Automatic back-up battery charger and low-battery warning**
- **All inputs/outputs are surge protected**

Crypto-Lock CC-8521C is a versatile, easily installed and operated single door access control system capable of operating virtually any electric or magnetic lock. Its microcontroller-based design provides a high level of security and door monitoring functions. It is available with either a surface mounted Keypad, single gang mounted Smart Card Reader, or Smart Card Reader with Keypad.

The unit includes a built-in 12Vdc and 24Vdc, 2A power supply to power electric and magnetic locks, eliminating the need for separate power supply units. The power supply provides up to 16A of in-rush current to reliably open heavy duty locking devices such as the Von Duprin* rim latch retraction unit and Sargent & Greenleaf Brute* electric lock. Continuous activation of large solenoid-operated locks is possible by a unique current limiting feature. After the lock has opened the current is automatically limited to a level that will reliably hold the lock open indefinitely without damaging its solenoid.

The power supply includes a battery monitoring and charging circuit that automatically maintains



batteries in a fully charged condition and activates audible and visual warnings when the charge level is low. Two 12V, 7AH sealed lead acid batteries (optional) can be housed in the enclosure.

Effective door monitoring and control is accomplished by an anti-follow through feature which relocks the door immediately upon closure and by alarms that are triggered when the door is forced or propped open.

Installation and set-up are quickly accomplished using the wiring diagram and programming guide inside the enclosure door. Slide switches set the AC input voltage (115 or 230 Vac), output voltage (12 or 24 Vdc), and enable holding current limiting. Valid cards/PINs and all door monitoring and control functions are set within a programming mode that can be activated only by authorized personnel with access to the control unit.

*Van Duprin is a registered trademark of the Ingersoll-Rand Company;
Brute is a registered trademark of Sargent & Greeleaf, Inc.

MONITEQ, INC.

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Specifications

Power required: 115/230 Vac, 50 or 60 Hz, 60W

Output: 12 or 24 Vdc, 2A continuous
Holding Current: Can be limited to 300mA (switch selectable)

In-rush capacity: Up to 16 A

Relay contacts: 10A, SPDT (Form C)

Lock control: Fail safe, fail secure or both on same door

Battery back-up: 12Vdc or 24Vdc, automatic transfer and charging (batteries optional)

Audit Trail: No-volatile memory records last 1,000 events, including all access attempts and alarms.

Audit Trail Data Port: RS-232

Battery monitoring: Warning lamp and alarm activate when battery is low

Door Open duration: 3 to 60 seconds

Penalty function: Invalid attempts temporarily disable operation and sound alarm.

Door monitoring functions:

Anti follow-through: Re-locks door immediately upon closure

Forced Door Alarm: Sounds if door is opened without presenting a valid credential.

Door Propped Alarm: Sounds if door is held open beyond preset limit.

Door contact input: Dry contact closure

Remote release: External dry contact closure

Keypad and/or Card Reader:

Supplied cable: 10 ft.

Max. length: 100 ft.

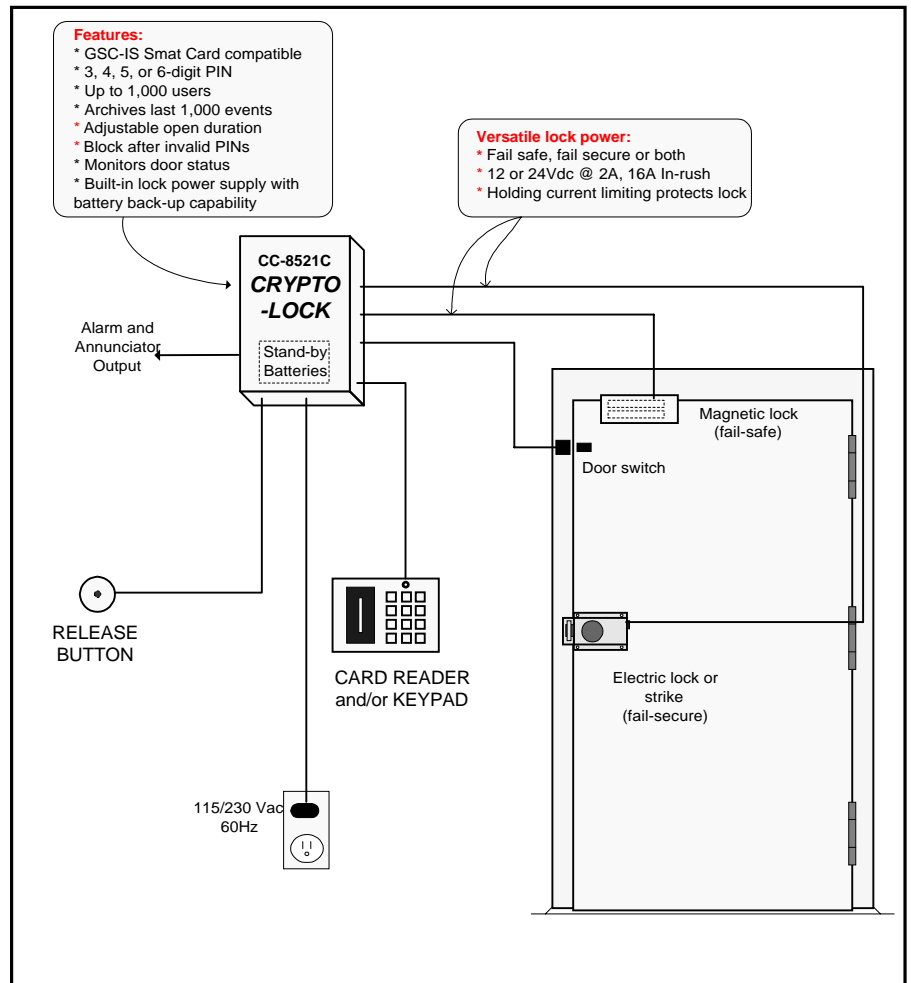
Enclosure: 19 gauge steel, powder coated, gray color, knockouts for conduit, cam-lock and holes for pad lock

Dimensions: 12H x 9W x 4.5D in.

Options and Accessories

CC-BATT 12Vdc, 7AH rechargeable battery (order two for 24Vdc operation)

CC-BRUTE Heavy-duty surface mount electric lock



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