

CRC200 Card Reader Controller

PRODUCT DESCRIPTION

The CRC200 is a standalone 2-reader controller suitable for controlling doors, barriers, rising bollards, turnstiles, etc., by validating cards, key fobs, vehicle tags, PINs, etc. presented via 1 or 2 reader interfaces. The CRC200 can also form part of an access management system by linking it to Norpass3 Access Control Management Software together with further reader controllers.

The CRC200 supports both Clock & Data and Wiegand interface formats. It can be used to control access via 2 doors/barriers and provide local anti-passback control. It supports a range of both standalone and managed access control features.

Two versions of CRC200 are available:

The CRC200-S has a large card capacity and is typically used with a site code and sequential card numbers counting from zero or one.

The CRC200-R is designed to work with random card numbers and is therefore suitable for extending or replacing existing controllers



SPECIFICATIONS

Electrical

Supply Voltage:	12 - 24V DC
Current Requirement:	100 mA quiescent, 230 mA while reading (both readers)
Reader Supply:	5V DC (100mA max.) or supply voltage

Physical

Display:	2 lines x 16 character LCD
Keypad:	12 button membrane. Keys 0 to 9 plus 'Program' and 'Enter'
Dimensions (mm):	190 x 130 x 43 (H x W x D)
Cable Termination:	Pluggable Screw terminal blocks

Environmental

Operating Temperature:	0°C to 40°C
Storage Temperature:	-20°C to 70°C
Relative Humidity:	95% non-condensing

Capacity

CRC200-S:	20,000 sequential card numbers (0 - 19,999), 1,700 events
CRC200-R:	6,550 random card numbers, 1,300 events

Inputs

Readers:	2 x 5-wire reader interfaces for Clock & Data (ABA Track 2) & Wiegand formats
Arming:	2 independent, ground activated inputs (shared with 'Door open' monitor). Open-circuit arming.
Door Open Monitor:	2 independent, ground activated inputs (shared with 'Arming'). Monitor door open status for system alarm reporting.
Request to Exit:	2 independent, ground activated inputs, each operating the associated latch relay.

Outputs

Latch Relays:	2 independent latch relays with change-over contacts rated at 2A at 30V DC.
Auxiliary Output:	2 independent open-collector outputs for auxiliary control such as card capture.

Data Communication

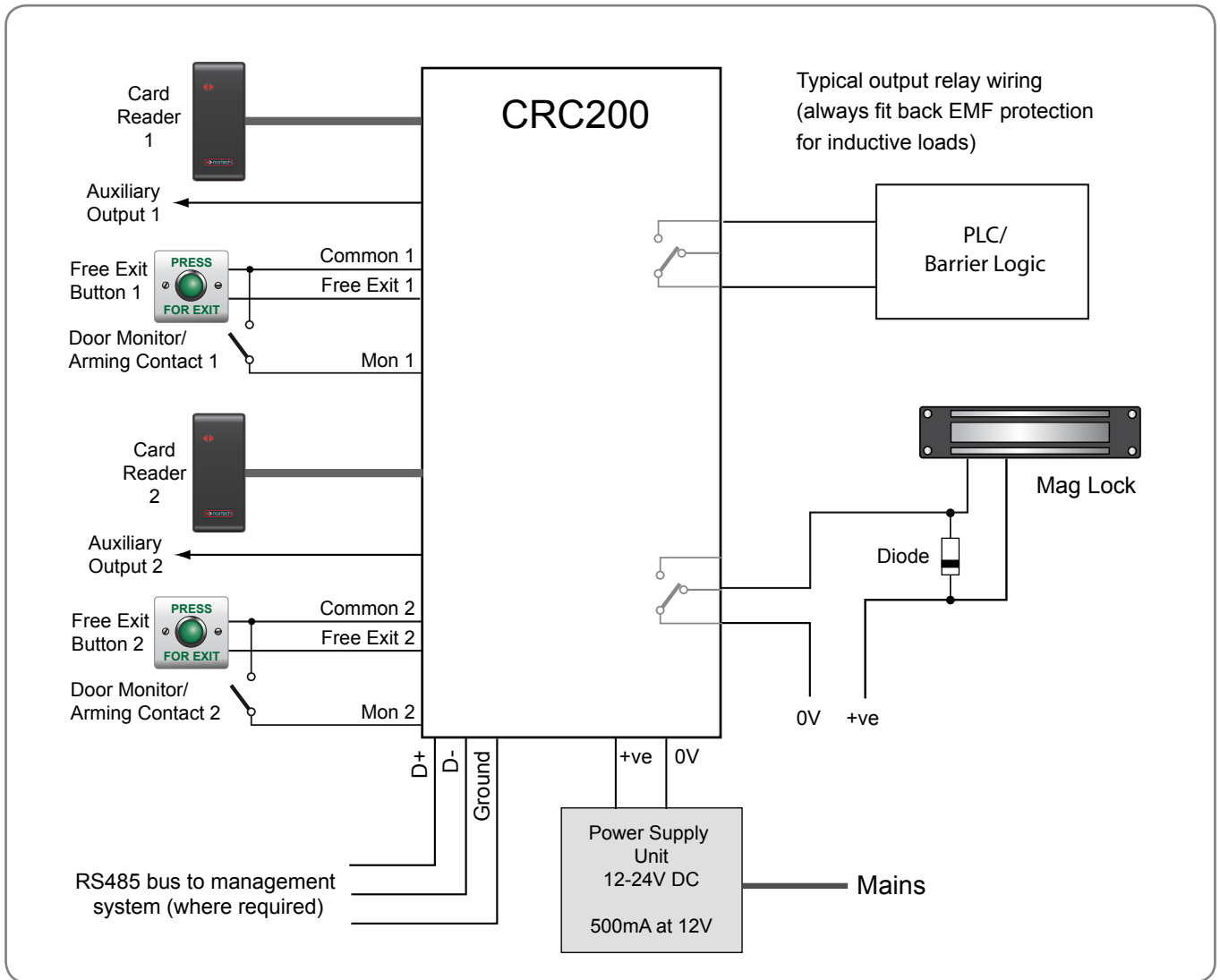
Management Interface:	RS485 (up to 32 controllers per control port)
Memory Module:	RS232 (CRC200S only)

Cabling

CRC200 to reader:	Belden 9536 or equivalent (6-core, 24 AWG stranded, overall foil shield) - 100m maximum length
RS485 comms:	Belden 9729 or equivalent (2-pair, 24 AWG stranded, twisted Pairs, individually foil shielded) - 1,200m maximum overall length

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Connection Details



Supported Readers/Input Devices

MP1	Mullion mount reader - 125kHz, DualProx, Mifare & LEGIC
WP1	Wall switch reader - 125kHz, DualProx, Mifare & LEGIC
SP1	Slimline reader - 125kHz & DualProx
VP1	Vandal-resistant reader - 125kHz, DualProx

PP1	Panel-mount reader - 125kHz & DualProx
RXX	HID iCLASS smart card reader family
RH300	Magnetic stripe card reader
MRC310	Card capture reader
LMB60XX	Hyper X long-range reader family

Alternative Products

CRC100	Standalone single reader controller
CRC220	Cost effective 2-reader controller for use in a Norpass3 managed network

NanoQuest	Standalone proximity card reader and controller for up to 600 ISO1443 type cards.
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Ordering Information

CRC200-S	2-door card reader controller with capacity for 20,000 sequentially encoded cards. RS485 connectivity.
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CRC200-R	2-door card reader controller with capacity for 6,550 randomly encoded cards RS485 connectivity.
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