

CR351/4

Card Reader Controller

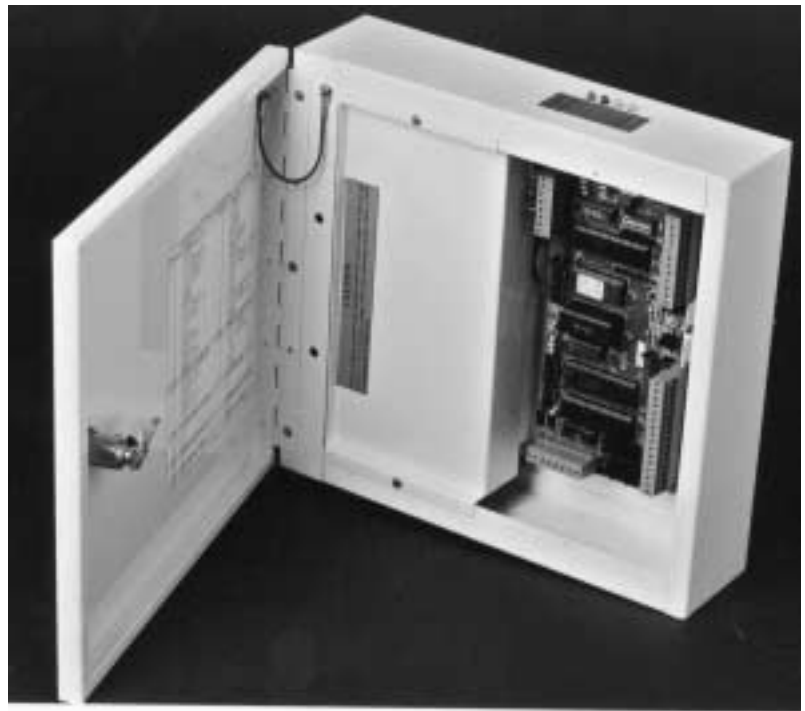
Softcon
SOFTWARE CONTROL SERVICES

An intelligent Access Controller for one or two entry points, via one or two card readers and/or Keypads, in stand-alone mode, or integrated in an on-line system.

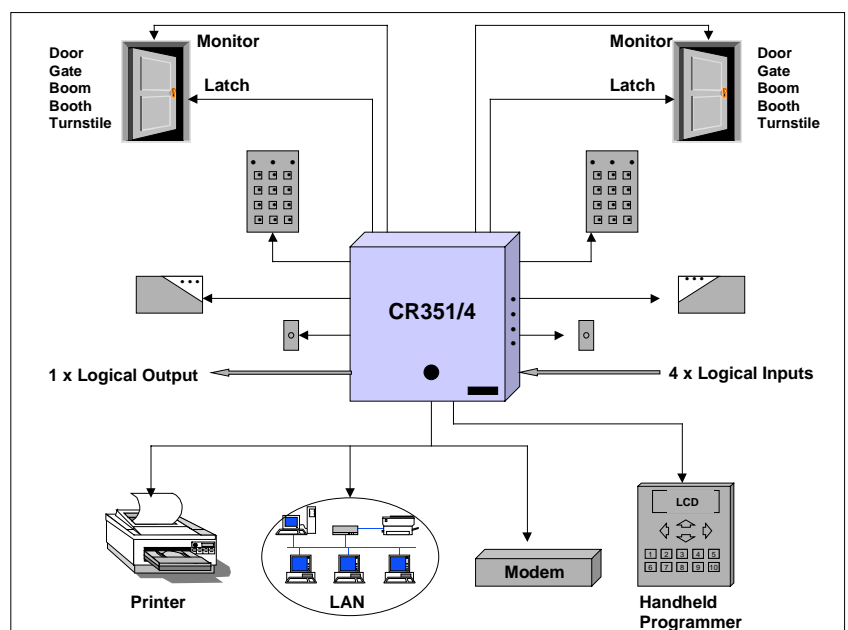
CR351/4 Card reader controller

Features

- ✓ Microprocessor Based.
- ✓ 2 Card readers, 2 keypads.
- ✓ 1 or 2 Door configuration (with sensing).
- ✓ Booth/Mantrap with presence detection.
- ✓ Relay Output.
- ✓ Card capture.
- ✓ Audible alarm on illegal door status or entry attempts.
- ✓ 1 to 4 additional input monitoring.
- ✓ 1 Additional output control.
- ✓ Push-button override facility.
- ✓ Vehicle detect provides reader enable and APB linked to vehicle.
- ✓ APB reset via key- or push-button.
- ✓ LCD display at reader (2 x 16 characters).
- ✓ 1300 to 20000 local card capacity (resident).
- ✓ 4000 PIN codes (1 to 5 Digits).
- ✓ Supports all major reader technologies.
- ✓ Software watchdog and power dip reset.
- ✓ 4 x diagnostic LED's with build-in test (BITE).
- ✓ Anti-Passback (APB), Passback of cards and Anti-timeback.
- ✓ Time in attendance logging (Day / Week / Month).
- ✓ Multiple illegal entry attempt reader disables.
- ✓ Batch loading of void and valid cards.
- ✓ 8 Access time slots (Weekday, holiday enable).
- ✓ 30 holidays.
- ✓ 15 Access time groups.
- ✓ Door monitoring has 8 time slots.
- ✓ Latching continuously energized, 8 time slots (weekday, holiday enable).
- ✓ Readers enable 8 time slots.
- ✓ Keypads enable 8 time slots.
- ✓ Adjustable latch and door open detection time-outs (1 to 99 seconds).
- ✓ Limit on number of cards per group present.
- ✓ RS232 or RS485 communication.
- ✓ Fiber optic or modem available as an option.
- ✓ Printer and/or terminal option.
- ✓ Stand-alone or system integrated.
- ✓ Hand programmable.
- ✓ AC or DC power source.
- ✓ Battery backed memory.
- ✓ Real time calendar clock.
- ✓ Optional integrated 6Ahr-battery backup with mains monitor.



Card reader Controller Examples



Input / Output Capacity

2 Card readers: Data/Clock, Wiegand, Dallas Touch, Barcode etc.
 2 Keypads (3 x 4 Matrix, 3 LED's in TTL matrix or serial on data/clock or Wiegand readers interface).
 2 Latch outputs (30 VDC /250 VAC, 3 Amp potential free relay).
 2 Push-button inputs (3.3 V level sensing, 36 VDC maximum).
 2 Action-complete sensor inputs (3.3 V level sensing, 36VDC maximum).
 1 Buzzer output (Open collection Darlington, 500mA / 50 VDC maximum).
 1 Booth occupied sensor input (TTL, 50 VDC maximum).
 4 Auxiliary inputs (3.3 V level sensing, 36 VDC maximum).
 1 Auxiliary output (30 VDC / 250 VAC, 3 Amp change over potential free relay).
 Serial communication: RS232 (TX, RX, RTS) or RS485 (Data / Data, RTS/RTS). Tranzorb protection.

Cable Length and Type

Reader to CR351/4 : 8 Core multi-strand Mylar, 0.2mm, with screen; 50 m maximum (Reader dependent).
 Keypad to CR351/4 : 8 Core multi-strand Mylar, 0.2mm, with screen; 10 m maximum.
 Printer to CR351/4 : 3 Core multi-strand Mylar, 0.2mm, with screen; 20 m maximum.
 Terminal to CR351/4 : 3 Core multi-strand Mylar, 0.2mm, with screen; 20 m maximum.
 Terminal to CR351/4 : 3 Core multi-strand Mylar, 0.2mm, with screen; 20 m maximum.
 LAN Cable : 2 Pair twisted multi-strand Mylar, 0.2mm with screen; 2000 m total length.
 Fiber Optic Cable : 2-strand multi or single mode; 4700 m between modes.

Housing and Dimensions

Powder-coated steel enclosure with lock (White).
 255mm (H) x 300mm (W) x 90mm (D).
 315mm (H) x 300mm (W) x 90mm (D) with integrated UPS.

Environmental Conditions

Storage Temperature : 20 to 65 Degrees C. (46 to 150 Degrees F)
 Operational Temperature : 0 to 45 Degrees C. (32 to 113 Degrees F)
 Humidity : 80% non-condensing.

Power Supply

110 or 220 VAC +/- 10% (10W, excluding power to latches and readers).
 9 to 12 VAC/DC (700mA, excluding power to latches and readers).
 Data parameters are battery backed-up (10 Years with no power).
 12 VAC and 15 VDC (1.5 A – not regulated available for latches).
 5 VDC (Regulated) or 15 VDC (Not regulated) at 500mA, available for readers.

Peripheral Devices

Readers/Cards : Any reader/card with data/clock Wiegand or Dallas touch interface.
 Keypads : 3 x 4 Matrix or serial Wiegand/Data clock.
 Terminal : VT100 compatible, ASCII; Main port RS232 full duplex, aux. printer port; 9600 baud, 1 start, 1 stop no parity.
 Printer : 80 Column with compress format capability (EPSON Compatible).
 Tied to CR351 : Serial (RS232 – 9600 baud, 1 start, 1 stop, no parity).
 Tied to Terminal : Serial or parallel (depending on terminal).

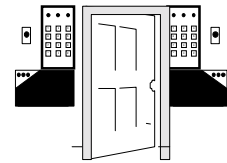
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SOFTWARE CONTROL SERVICES USA, INC
 SOFTWARE CONTROL SERVICES (PTY) LTD

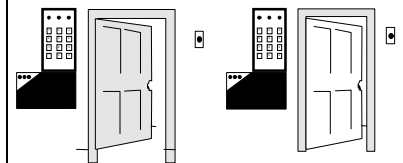
Control by micro processor is our business

You name it, we'll control it!

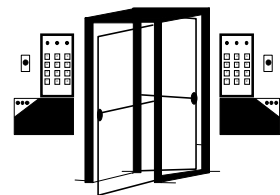
Installation Configuration



Door with entry and exit readers



Door with entry readers only



Booth/Mantrap with entry and exit

Offices

Pretoria
 Cape Town

Distributors

Australia UK
 France Spain
 Holland Zimbabwe

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