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Centaur[®]

INTEGRATED ACCESS CONTROL

CT-V900-A

2-Door Controller

The CT-V900-A is at the heart of every CENTAUR access control system. The CENTAUR Server, hardware expander modules, multi-purpose inputs, card readers, keypads and outputs are connected directly to the CT-V900-A. Multi-controller systems are joined together via the RS-485 communication bus. Distributed database architecture allows each controller to make split-second decisions without the need of the server computer. Lightning-quick, robust and remarkable stability make the CT-V900-A the professional's choice.

The installer's choice
cdvi.ca

CT-V900-A 2-Door Controller



- Control 2 doors/readers per CT-V900-A (up to 8 using three CA-A470-A 2-door expander modules)
- On-board card database
- 256 Schedules
- 256 Access Levels
- 2048 Event Buffer
- Fully distributed database architecture (access decisions made locally)
- Upgradable firmware - Upload firmware via the computer
- E-Bus technology: expander modules can be up to 1220m (4000ft) from the CT-V900-A
- Supports most common Wiegand formats, magnetic Stripe Track II ABA and 9 keypad formats, including BCD
- Easy maintenance with snap-off terminal blocks
- Lithium battery protection in case of complete power failure
- Comprehensive LED status indicators

Output Specifications:

Lock outputs:	2 field-selectable (12 or 24Vdc)
Relay Outputs:	2 Form C Dry Contact 5A/28Vdc
Reader Outputs:	Six 50mA Open collector outputs (Red/Green LEDs, Buzzer)

Input Specifications:

Reader Inputs/Ports:	2
Keypad Inputs/Ports:	2
Multi-purpose Inputs:	16 (using ATZ 2R/3R)

Physical Specifications:

Cabinet size:	39cm (H) x 33cm (W) x 10cm (D) 15.5" (H) x 13" (W) x 4" (D)
PCB dimensions:	24.5cm (9.65") x 20.2cm (7.95")
Environment:	5°C to 55°C (41°F to 133°F)

Electrical Specifications:

Power input:	24Vac, 75VA or higher, 50/60Hz
Supply current:	2.5A switching power supply maximum
Battery backup:	Two 12Vdc, 7Ah, gel cell batteries

Communication:

RS485 communication between controller, expander and all modules. RS-485, TCP/IP, RS-232 or modem for communication between first controller of a site and server.

On-board Protection:

Auxiliary outputs:	2.5A (24Vdc), 1A (12Vdc & 5Vdc) fuseless protection
AC protection:	5A fuse
Battery reversal:	7A fuse

Recommended Wiring

Equipment	Wire Type	Size	Maximum Length
Card reader and Wiegand keypad	4 to 8 conductors, stranded, shielded (foil), drain conductor. For example: Alpha 5196, 5198, 5386, 5388, Belden 9553	22AWG (0.64mm) to 18AWG (1.02mm)	150m (500ft.)
Zone input	2 conductors, copper 22AWG (0.64mm)	22AWG (0.64mm)	600m (2000ft.)
Door strike	2 conductors, solid copper 18AWG (1.02mm)	18AWG (1.02mm)	150m (500ft.)
Power Supply	3 conductors, solid copper 18AWG (1.02mm)	14AWG (1.63mm)*	8m (25ft.)
RS485 bus, Star or Daisy Chain (no BIAS/EOL required)	CAT 5/5e or 4 pairs	24AWG (0.51mm)	1220m (4000ft.)
	4 conductors, copper	26AWG (0.40mm) to 18AWG (1.02 mm)	