

Datasheet

CT-V900-A - Centaur 2-Door Controller

Product Description

The CT-V900-A is at the heart of every Centaur access control system. The Centaur Server, hardware expansion modules, multi-purpose inputs, card readers, keypads and outputs are connected directly to the CT-V900-A. Multi-controller systems are networked via the RS-485 communication bus.

Distributed database architecture allows each controller to make split-second decisions without needing to communicate with the Centaur server. lightning-quick, robust and remarkable stability make the CT-V900-A the professional's choice.



System Capacity	
Users / Cards	Up to 16,384
Access Levels	256
Holidays	128
Schedules	256
Event Buffer	2048
Floor levels per cab	64
Cabs per site	Up to 512
Sites	Up to 100


Key Features

- Control 2 doors and 2 readers
- Add up to 6 more doors per controller using the CA-A470-A expansion module
- Expand your system to 2048 doors upon the software edition selected
- Supports common Wiegand, Track 2 ABA (mag stripe) and BCD (keypad) formats
- Comprehensive LED status indicators
- Snap on terminal connectors

 Certification

 DEEE

RoHS Certification

 -25°F to 70°F
0°C to 49°C

Communication

RSIP (TCP/IP):	DB9 serial port to PC Ethernet Port
USB/RS485:	RS485 Bus to PC USB port
Serial:	DB9 serial port to PC DB9 serial port
Controller BUS:	RS485 communication between controllers
E-BUS	RS485 communication between controller and expanders

Input Specifications

Reader (Wiegand) Ports:	2
Keypad (Wiegand/BCD) Ports:	2
General purpose inputs:	8 (16 using ATZ, zone doubling)

Output Specifications

Lock outputs:	2 (750mA (typical))
Relay outputs:	2 Form C relays, 5A @ 30 VDC Resistive
Reader Outputs:	6 (green, red, buzzer)

Electrical Specifications

Power input:	24 VAC, 75 VA (UL/ULC: CDVI150/CDVI200, Europe: TR2475)
Power output:	24 V DC, 2.5 A
Lock output:	12 or 24 V DC
AC Terminal Fuse:	250 VA, 2.5 A. Time Lag, Slow Blow
Power Loss Indicator:	Yes
Battery backup:	One 12 V DC, 7 Ah, gel cell batteries
On-board protection:	7 A fuse
Battery Protection:	7 A fuse

Recommended Wiring

Equipment	Wire Type	Size	Max. Length
Card reader (1 LED or 1 LED & Buzzer) and Wiegand keypad	6 conductors, stranded, shielded (foil), drain conductor, Belden: 5304FE	18AWG	150m (500ft.)
Card reader (2 LEDs & Buzzer)	8 conductors, stranded, shielded (foil), drain conductor, Belden: 5306FE	18AWG	150m (500ft.)
Zone input	4 conductors, copper (JKT)	22AWG	600m (2000ft.)
Door strike and AC transformer for controller	2 conductors, solid copper	18AWG	Door strike: 150m (500ft.), AC transformer: 8m (25ft.)
RS-485 bus	Ethernet CAT 5 ^e , 4 pairs	24AWG	1220m (4000ft.)

