

Datasheet

C900IP - 2-Door IP Controller

Product Description

The C900IP is the newest powerful and flexible controller from the CENTAUR system.

It includes an integrated IP port and a preassembled universal power supply, making this device an industry leader in efficiency and simplicity.

New and improved features such as: 50 000 card management, on-board web page for controller address setting, and IP address management make this a major addition to the CENTAUR system.

Centaur
INTEGRATED ACCESS CONTROL



Key Features

- Control 2 doors / 2 readers
- On-board IP port
- Pre-assembled universal power supply
- Embedded Web page for address setting, IP management, firmware update & others
- Lock outputs: 2 (750 mA @ 12 VDC/each)
- 6 multi-purpose inputs
- 50,000 cards and keypad user codes
- 25,000 event buffer

System Capacity	
Users / Cards	50,000 / 50,000
Access Levels	256
Holidays	128
Schedules (100 time periods each)	256
Event Buffer	25,000
Floor Groups	128

 Certification

 DEEE

RoHS Certification

 -4°F to 122°F
(-20°C to 50°C)

Communication

On-board Ethernet: 10/100 Base-T, auto sensing, 100 m (300 ft) 3.17"

Local BUS: RS485 communication between controller and expander.

Input Specifications

Reader ports: 2

Keypad ports: 2

Multi-purpose inputs: 6 (12 using zone doubling)

Output Specifications

Lock outputs: 2 (750 mA @12 VDC/each)

Relay outputs: 2 Form C relays, 5 A @250 VAC, 7 A @125 VAC, 7 A @30 VDC

On-board Protection

LK1 & LK2: 12 VDC @ 750 mA

Auxiliary outputs: 1 A (12 VDC) fuseless protection

Battery: Against reversal, short, current limited/monitored

Electrical Specifications

Power supply input: 120 VAC to 240 VAC, 50/60 Hz

Power supply output: 24 VDC, 2.5 A

AC terminal fuse: 250 VA, 2.5 A. time lag, slow blow

Power loss indicator: Yes (DC IN)

Battery backup: One 12 VDC, 7 Ah, gel cell battery

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 (0.64 mm) to 18AWG (1.02 mm)	150 m (500 ft)
Zone input	2 conductors, copper 22AWG (0.64mm)	22AWG (0.64 mm)	600 m (2000 ft)
Door strike	2 conductors, solid copper 18AWG (1.02mm)	18AWG (1.02 mm)	150 m (500 ft)
Power Supply	3 conductors, solid copper 18AWG (1.02mm)	14AWG (1.63 mm)*	8 m (25 ft)
Ethernet	CAT 5/5e	-	100 m (300 ft)
RS485 bus, star or daisy chain (no BIAS/EOL required)	CAT 5/5e or 4 pairs	24AWG (0.51 mm)	1220 m (4000 ft)
	4 conductors, copper	26AWG (0.40 mm) to 18AWG (1.02 mm)	