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Centaur[®]

INTEGRATED ACCESS CONTROL

CA-A470-A

2-Door Expander

Reduce field-wiring costs by running only one cable to the CT-V900-A. Reader, Keypad, Door Contact, REX device and Reader Outputs can be connected locally to the CA-A470-A by installing the expander module close to the doors.

The installer's choice
cdvi.ca

CENTAUR CA-470-A 2-Door Expander

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- Control 2 readers and/or keypads
- Up to three CA-A470-A modules per CT-V900-A
- 2 form C relays 15A/28Vdc, N.C./N.O. lock outputs
- 4 Inputs (door contacts and REX devices)
- 6 open collector, 50mA Sink, reader outputs
- E-Bus connectivity to the CT-V900-A up to 1220m (4000ft)
- Supports most common Wiegand formats, Magnetic Stripe Track II ABA, BCD keypad formats
- Comprehensive LED status indicators

Output Specifications:

Relay Outputs: 2 Form C Dry Contact 15A/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: 4

Physical Specifications:

Cabinet size: 29cm (H) x 28cm (W) x 8cm (D)
 11.4" (H) x 11" (W) x 3.15" (D)
 PCB dimensions: 23.2cm (9.13") x 11cm (4.33")
 Environment: 0°C to 49°C (32°F to 120°F)

Electrical Specifications:

Power input: 16Vac, 40VA or higher, 50/60Hz
 Battery backup: One 12Vdc, 7Ah, gel cell batteries

Communication:

RS485 communication between controller and expander.

On-board Protection:

Auxiliary outputs: 500mA (12Vdc) fuseless protection
 Battery reversal: 5A 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)	