CDVI

Centaur®

INTEGRATED ACCESS CONTROL

CA-A480-A

Elevator Controller

Connected to the CT-V900-A controller's expansion bus, each CA-A480-A can control up to 16 floors. The CA-A480-A floor control relays can be interfaced directly with an elevator's floor control buttons. When a valid card is presented, the appropriate floor control relays will become enabled allowing the cardholder to select the desired floor. Destination Controlled Mode, which requires a CA-A482-P Destination Reporting Module, offers far superior event trail and user accountability. In addition to these advanced floor and elevator control features, the CA-A480-A also features full supervision, backup battery and a fire alarm input.

The installer's choice
cdvi.ca

CA-A480-A - Elevator Controller

- 16 on-board floor control relays
- Maximum of eight CAA480A per CT-V900-A controller
- Control up to 64 floors
- Fire control input
- Destination reporting
  (requires CA-A482-P Destination Reporting Module)
- Connects directly to the RS-485 E-BUS
- Backup battery with selectable battery charge current
- Individual schedules per floor with on-board 12Vdc power supply
- Fully supervised with comprehensive LED display

Output Specifications:

Relay Outputs:	16 form C relays (N.C./N.O) rated at 15A (tested for compliance at 10A) @ 16VDC (resistive load)

Input Specifications:

Fire alarm:	1
Tamper:	1

Physical Specifications:

Cabinet size:	40cm (H) x 32cm (W) x 9cm (D) 15.8" (H) x 12.6" (W) x 3.54" (D)
PCB dimensions:	19cm (7.5") x 15cm (5.9")
Environment:	0°C to 49°C (32°F to 120°F)

Electrical Specifications:

Power input:	16VAC, 40VA MAX (Europe : CDVI TR1640 recommended) (UL/ULC : CDVI150 or CDVI200 recommended)
Max. Current (AUX):	500mA
Battery backup:	One 12Vdc, 7Ah, gel cell batteries. (Europe: CDVI B7AH recommended) (UL/ULC: YUASA #NP7-12 recommended)
Low Battery @:	10.2VDC
Low Battery Restore @:	12.2VDC
Low Battery Cut-off @:	8.5VDC

Communication:

RS485 communication between elevator controller and CT-V900-A main controller.

On-board Protection:

Auxiliary outputs:	2A fuse
Relay control:	2A fuse
AC protection:	3A fuse
Battery reversal:	5A fuse (Indication of Battery Reversal)

Recommended Wiring

Equipment	Wire Type	Size	Maximum Length
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)	